CATALOG 2026-2028

LAKE LAND COLLEGE

Education that fits your *Life*

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Volume XLIII
Lake Land College
Community College District #517
5001 Lake Land Boulevard
Mattoon, Illinois 61938

CONNECT WITH LAKE LAND COLLEGE

IMPORTANT PHONE NUMBERS

COLLEGE OFFICES

Information for all college numbers except those listed below	**217-234-5253**
Accounting/Tuition & Fees Payment	217-234-5214
Admissions & Records	217-234-5434
Fax	217-234-5390
Graduation	217-234-5028
Records	217-234-5311
Registration	217-234-5434
Agriculture Division	217-234-5208
Allied Health Division	217-234-5448
Alumni	217-234-5376
Assessment	217-234-5088
Business and Technology Division	217-234-5348
Career Readiness Center	217-234-5288
Counseling Services	217-234-5232
Dual Credit/Laker Connect	217-234-5044
Financial Aid and Veteran Services	217-234-5231
Educational Loans	217-234-5217
Scholarships	217-234-5392
Veteran Services	217-234-5255
Foundation/College Advancement	217-234-5363
Honors Experience	217-234-5044
Humanities and Communication Division	217-234-5035
Human Resources	217-234-5410
Laker Nest Bookstore/Textbook Rental	217-234-5420
Library	
Circulation Desk	217-234-5367
Librarian	217-234-5533
Math and Science Division	217-234-5309
Police Department	217-234-5432
Social Science and Education Division	217-234-5331
Student Accommodations	217-234-5259
Hearing Impaired Contact – accommodations@lakelandcollege.edu	
Student Development	217-234-5244
Student Life	217-234-5277
Student Success Center	217-234-5287
Testing	217-234-5301
Tutoring	217-234-5366
Student Wellness Center	217-234-5383
Benefits Navigator	217-234-5383
Health Services/Handicapped Parking	217-234-5276
Laker Food Pantry	217-234-5383
Mental Health Services	217-234-5380
TRIO	217-234-5456
Workforce Development Center	217-235-2222
Adult Education	217-238-8292
Apprenticeship	217-238-8260
Center for Business & Industry	217-235-1282
Commercial Driver Training	217-238-8239
Community Education	217-234-5087
Correctional Programs	217-540-3518
Professional Development	217-234-5087
Technical Training Center	217-238-8291
Traffic Safety	217-235-1282

OFF CAMPUS LOCATIONS

Eastern Region Center at the Forsythe Center	
224 S. Sixth St., Marshall	217-826-8490
Effingham Technology Center	
1201 Althoff Drive, Effingham	217-540-3555
Massage Therapy Program	217-540-3535
Nursing Programs	217-234-5447
Physical Therapist Assistant Program	217-540-3535

Visit the employee directory online
lakelandcollege.edu

WELCOME FROM THE **PRESIDENT**

Welcome to Lake Land College!

At Lake Land College, we believe higher education should be accessible, flexible and built around your goals. Our new strategic plan—*Education That Fits Your Life*—reflects our commitment to meeting you where you are and helping you move confidently toward what's next.

As you explore Lake Land, you'll find a supportive, student-centered community invested in your success. Whether you plan to transfer to a four-year university, earn a career-ready credential or advance in your profession, your Lake Land education will empower your next steps.

Our innovative programs, flexible learning options and comprehensive support services have earned national recognition, including being named one of the nation's best community colleges by the Aspen Institute. With tuition and fees about one-third the cost of a public university, Lake Land also offers exceptional value.

We invite you to get involved, build connections and become part of Laker Nation. We look forward to partnering with you on an education that fits your life.

Go Lakers!

DR. JOSH BULLOCK ♦ PRESIDENT

MISSION

Lake Land College creates and continuously improves an affordable, accessible, and effective learning environment for the lifelong educational needs of the diverse communities we serve.

Our college fulfills this mission through:

- General education
- Support services
- University transfer education
- Technical and career education
- Workforce development
- Community and continuing education
- Intellectual and cultural programs

VISION

Engaging minds, changing lives, through the power of learning.

VALUES

Caring ♦ Communication ♦ Excellence ♦ Innovation ♦ Teamship

DIVERSITY, EQUITY & INCLUSION

Lake Land College is committed to developing and maintaining an environment for students, employees and college community that embraces and actively supports diversity, equity and inclusion. We aspire to be an institution where the quality of education and work environment are enhanced and enriched by an inclusive campus community that encourages multiple perspectives and the free exchange of ideas.

Education that fits your *Life*

BOARD OF TRUSTEES

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1993-2029

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Student
Trustee
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2025-2026

2026–2027 ACADEMIC CALENDAR SUMMARY

FALL SEMESTER 2026

AUGUST

First Meeting of Full Semester & Module I Classes	24
Last Day for Refund - Module I	28

SEPTEMBER

Last Day for Refund – Full Semester	4
College Closed	**7**
Mid-Term Module I	18
No Day or Evening Classes	19

OCTOBER

College Career Day – No Day or Evening Classes	6
Last Day for Student Withdrawal – Module I	12
Last Day of Classes – Module I	16
Mid-Term Full Semester	16
First Meeting of Module II Classes	19
Last Day for Refund – Module II	23

NOVEMBER

Mid-Term – Module II	13
Last Day to Apply to Graduate for Fall	20
Staff Development – No Day or Evening Classes	25
College Closed	**26–29**

DECEMBER

Last Day for Withdrawal – Full Semester & Module II	7
Last Day of Classes – Full Semester & Module II	11
Final Examinations	14–17
Semester Close & Grades Due – Noon	18
Semester Break – College Closed	**Dec 24–Jan 1**

SPRING SEMESTER 2027

JANUARY

First Meeting of Full Semester & Module I Classes	11
Last Day for Refund – Module I	15
College Closed	**18**
Last Day for Refund – Full Semester	25

FEBRUARY

Mid-Term Module I	5

MARCH

Last Day for Withdrawal – Module I	1
Last Day of Classes Module I	5
Mid-Term Full Semester	5
Spring Recess – No Day or Evening Classes	8–12
College Closed	**12**
First Meeting of Module II Classes	15
Last Day for Refund – Module II	19
Last Day to Apply to Graduate for Spring	19
College Closed	**26**

APRIL

Staff Development Days – No Day or Evening Classes	8–9
Mid-Term Module II	13

MAY

Last Day for Withdrawal – Full Semester & Module II	4
Last Day of Classes – Full Semester & Module II	10
Final Examinations Begin at 5 p.m. on May 10	10-14
Commencement – 6 p.m.	14
Semester Close & Grades Due – Noon	17

SUMMER 2027

MAY

First Meeting of Classes – Intersession	17
Last Day for Refund – Intersession	17
College Closed	**31**

JUNE

Last Day for Withdrawal – Intersession	1
Last Day of Classes – Intersession	2
First Meeting of Classes – Summer	7
Last Day for Refund	14

JULY

Mid-Term	1
College Closed	**5**
Last Day to Apply to Graduate for Summer	22
Last Day for Withdrawal	26

AUGUST

Last Day of Classes	2
Final Examinations	3-4
Summer Term Closes & Grades Due – Noon	5

COLLEGE OPEN MONDAY THROUGH THURSDAY ONLY MAY 21 THROUGH AUGUST 13, 2027.

2027–2028 ACADEMIC CALENDAR SUMMARY

FALL SEMESTER 2027

AUGUST

First Meeting of Full Semester & Module I Classes	23
Last Day for Refund – Module I	27

SEPTEMBER

Last Day for Refund – Full Semester	3
College Closed	**6**
Mid-Term Module I	17
No Day or Evening Classes	18

OCTOBER

College Career Day – No Day or Evening Classes	5
Last Day for Withdrawal – Module I	11
Last Day of Classes – Module I	15
Mid-Term Full Semester	15
First Meeting of Module II Classes	18
Last Day for Refund – Module II	22

NOVEMBER

Mid-Term – Module II	10
Last Day to Apply to Graduate for Fall	19
Staff Development – No Day or Evening Classes	24
College Closed	**25–28**

DECEMBER

Last Day for Withdrawal – Full Semester & Module II	6
Last Day of Classes – Full Semester & Module II	10
Final Examinations	13–16
Semester Close & Grades Due – Noon	17
Semester Break – **College Closed**	**Dec 23–Jan 2**

SPRING SEMESTER 2028

JANUARY

First Meeting of Full Semester & Module I Classes	10
Last Day for Refund – Module I	14
College Closed	**17**
Last Day for Refund – Full Semester	24

FEBRUARY

Mid-Term Module I	4
Last Day for Withdrawal – Module I	28

MARCH

Last Day of Classes Module I	3
Mid-Term Full Semester	3
Spring Recess – No Day or Evening Classes	6-10
College Closed	**10**
First Meeting of Module II Classes	13
Last Day for Refund – Module II	17
Last Day to Apply to Graduate for Spring	17

APRIL

Staff Development Days – No Day or Evening Classes	6-7
Mid-Term Module II	11
College Closed	**14**

MAY

Last Day for Withdrawal – Full Semester & Module II	2
Last Day of Classes – Full Semester and Module II	8
Final Examinations Begin at 5 p.m. on May 8	8-12
Commencement – 6 p.m.	12
Semester Close & Grades Due – Noon	15

SUMMER 2028

MAY

First Meeting of Classes – Intersession	15
Last Day for Refund – Intersession	15
College Closed	**29**
Last Day for Withdrawal – Intersession	30
Last Day of Classes – Intersession	31

JUNE

First Meeting of Classes	5
Last Day for Refund	12
Mid-Term	29

JULY

College Closed	**4**
Last Day to Apply to Graduate for Summer	20
Last Day for Withdrawal	24
Last Day of Classes	31

AUGUST

Final Examinations	1-2
Summer Term Closes & Grades Due – Noon	3

COLLEGE OPEN MONDAY THROUGH THURSDAY ONLY MAY 15 THROUGH AUGUST 11, 2028.

OUR EDUCATIONAL GUARANTEE

TWO EDUCATIONAL GUARANTEES ARE OFFERED TO LAKE LAND COLLEGE GRADUATES.

The Occupational Program Guarantee is offered to students graduating from an occupational program with an Associate in Applied Science degree or a certificate.

The Baccalaureate/Transfer Program Guarantee is offered to students graduating with an Associate in Arts, Associate in Engineering Science or Associate in Science degree.

OCCUPATIONAL PROGRAM GUARANTEE POLICY
(BOARD POLICY 06.08)

GUARANTEE

It is the policy of Lake Land College that students graduating with an Associate in Applied Science degree, Associate in General Studies or certificate in a career/occupational program be guaranteed competency in the technical skills that the program is designed to teach in the degree or certificate. Graduates of degree programs who jointly with their employers determine they are lacking in the technical skills contained in the program and graduates who have been unsuccessful in passing required licensure exams after two attempts shall be permitted to enroll in up to 15 credit hours of retraining for a degree or nine (9) credit hours of retraining for a certificate, tuition free. Impacted nursing graduates who fulfil specific vendor remediation requirements as listed in the nursing handbook are eligible to participate in the vendor supplied National Council Licensure Examination (NCLEX) remediation program for no additional cost.

NOTIFICATION AND CONDITIONS

All course work for the degree or certificate must have been completed at Lake Land College with a grade of "C" or better within three years of initial enrollment at the college and the graduate must have been employed full-time in a job directly related to his/her training within one year after graduation from the program. Upon written verification from the employer within six months of the graduate's initial employment that the graduate lacks competency in specific technical skills as represented by the degree or certificate information printed in the college catalog, or other printed matter, a retraining plan will be developed through the office of the Vice President for Academic Services. The retraining will be limited to courses regularly offered by the college on the main campus and must be completed within one calendar year.

BACCALAUREATE/TRANSFER PROGRAM GUARANTEE POLICY
(BOARD POLICY 06.07)

GUARANTEE

It is the policy of Lake Land College that students graduating with an Associate in Arts, Associate in Engineering Science or an Associate in Science degree be guaranteed the transferability of Lake Land articulated credits earned in the degree program and identified in the Illinois Articulation Initiative (IAI), Transferology, or another official articulation agreement as transferable to a baccalaureate degree granting Illinois public college or university. If an articulated course was selected from Illinois Articulation Initiative (IAI), Transferology, or another official articulation agreement, is successfully completed with a grade of "C" or better within three years of initial enrollment and is not accepted for transfer by an Illinois public college or university, Lake Land College will refund tuition paid by the student for said course.

NOTIFICATION AND CONDITIONS

To call the guarantee, the student must submit a letter to the Transfer Coordinator showing evidence of acceptance at and enrollment in the transfer institution and stating which credits did not transfer along with a letter from the transfer institution stating why the course(s) did not transfer. If the college verifies that the course(s) should have transferred according to IAI, Transferology, or another official articulation agreement, in effect at the time the course was taken and when the transfer was attempted, and if the college is unable to rectify the problem with the transfer institution, the student's tuition paid for the course(s) will be refunded. No refunds will be issued for tuition paid by a third party.

Accredited by:

The Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago IL 60604, hlcommision.org

Accreditation Commission for Education in Nursing Commission on Accreditation in Physical Therapy

Education Commission on Accreditation of Allied Health Education Programs

Illinois Department of Public Health's Education and Training Section

American Dental Association's Commission on Dental Accreditation

Approved as a Class I Community College by:

Illinois Community College Board

Illinois Board of Higher Education

IN THIS CHAPTER:

- AREAS OF STUDY MAJORS

DECIDING ON A MAJOR?

EXPLORE THE AREAS OF STUDY

- **Select a major aligned with your interests.**
- **Complete on time.**
- **Reach your next goal successfully.**

NOT SURE WHAT TO MAJOR IN? THERE ARE OPTIONS!

✔ **Choose an Exploratory Area of Study**

Link interests to a major using the online Career Coach resource. Visit lakelandcollege.edu and look for the Explore Careers icon:

Continue earning college credit while exploring a variety of programs that prepare you for transfer or a career.

AREA OF STUDY - AGRICULTURE

(MET.AG) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Agriculture area of study, you will have the opportunity to explore a variety of programs that prepare you to transfer, secure a career, or to add value to your family farm. You'll receive a hands-on education from instructors with industry-leading experience who prepare you to make a difference in your community. Lake Land's Agriculture program has a national reputation for excellence and successful preparation of future agriculture leaders. In this area of study, you can complete the first two years of a bachelor's degree in agriculture or you can train in one of our state-of-the-art training labs for an immediate professional career.

FIRST YEAR			
First Semester			Hours
Core	AGR-046	Introduction to Agricultural Occupations	1.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics	3.0
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	PSY-271	Intr/Psychology	3.0
Ele	--- ---	AGR Elective or	
Ele	--- ---	HRT Elective	3.0
Gen	BIO-100	Bio Science I or	
Ele	--- ---	AGR or HRT Elective	3.0
		SEMESTER TOTALS	16.0
		TOTAL PROGRAM HOURS	16.0

SUGGESTED ELECTIVES			
Ele	AGR-206	Intro/Animal Science	4.0
Ele	AGR-080	Ignition & Electrical Systems	3.5
Ele	HRT-201	Introduction to Horticulture	3.0
Ele	AGR-205	Intro/Soil Science	4.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

AGRICULTURE MAJORS

AREA OF STUDY - ARCHITECTURE & CONSTRUCTION

(MET.ARC) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Architectural & Construction area of study, you'll have the opportunity to explore majors that prepare you for careers that design and build our homes, buildings, and infrastructure. In these majors, you'll learn the skills to take a concept for a new residential or commercial building or roadway from design to a completed project, and then some. Hands-on assignments in the Architectural & Construction area include surveying, turning building designs into 3-D models, wiring, installing HVAC-R systems, and learning precision mapping techniques.

FIRST YEAR			
First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Core	CAD-056	CAD I	2.0
Gen	COM-111	Intro to Speech Communication	3.0
Ele	--- ---	Social/Behavioral Science Elective	3.0
Ele	--- ---	Career Elective	2.0
		SEMESTER TOTALS	13.0
		TOTAL PROGRAM HOURS	13.0

SUGGESTED ELECTIVES			
Ele	CET-060	Surveying I	3.0
Ele	CET-054	Soils + Aggregates	4.0
Ele	CET-051	Civil Construction I	3.0
Ele	BCT-047	Groundwork: Tools to Concrete	2.0
Ele	BCT-045	Plans and Specifications	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

ARCHITECTURE AND CONSTRUCTION MAJORS

AREA OF STUDY - BUSINESS MANAGEMENT

(MET.BS.MGT) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Business area of study, you will have the opportunity to explore majors that prepare you to transfer or to immediately begin a successful career after graduation. Business leaders seek Lake Land College graduates because they know our students receive the advanced skills and experiences that add value to their company. This exploratory area of study includes a variety of majors that cover all aspects of business from ownership to sales and marketing, as well as the professional positions in medical and business settings that are at the center of the daily operations.

FIRST YEAR			
First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	ECO-231	Principles of Economics I (Macro)	3.0
Core	BUS-142	Introduction to Business	3.0
Core	BUS-221	Financial Accounting	3.0
Core	BUS-200	Legal Environ/Business	3.0
Core	CIS-160	Practical Software Applications	3.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

BUSINESS MAJORS

BUSINESS MANAGEMENT

BUSINESS OFFICE PROFESSIONALS

AREA OF STUDY - OFFICE PROFESSIONALS

(MET.BS.OFP) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Business area of study, you will have the opportunity to explore majors that prepare you to transfer or to immediately begin a successful career after graduation. Business leaders seek Lake Land College graduates because they know our students receive the advanced skills and experiences that add value to their company. This area of study includes a variety of majors that cover all aspects of business from ownership to sales and marketing, as well as the professional positions in medical and business settings that are at the center of the daily operations.

FIRST YEAR		
First Semester		Hours
Gen BUS-141	Business Communications	3.0
Gen PSY-271	Intr/Psychology	3.0
Core CIS-160	Practical Software Applications	3.0
Gen ENG-095	Business English	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	12.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

BUSINESS MAJORS

AREA OF STUDY - EDUCATION

(MET.ED) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Education area of study, you will have the opportunity to explore majors that prepare you to inspire others as an educator. Whether you are driven to a profession caring for young children or educating the future leaders of our society, you will receive the hands-on learning and experience needed to be successful in pursuing your credentials. In this area of study, you can train for an immediate career or complete the first two years of your bachelor's degree in education.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen PSY-274	Child Development	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Gen BIO-100	Bio Science I	4.0
Core EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	19.0
	TOTAL PROGRAM HOURS	19.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

EDUCATION MAJORS

AREA OF STUDY - HEALTH SERVICES

(MET.HP.HLTH) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Health Services area of study, you will have the opportunity to explore rewarding careers in healthcare while gaining the knowledge and skills for a fulfilling career providing care and services to others. Allied Health majors ranging from nursing to massage therapy and emergency services train you for success with hands-on learning labs and on-site clinical experiences. These majors prepare you for careers that make a difference in people's lives through the counsel or service you provide.

FIRST YEAR			
First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	PSY-279	Human Dev/Life Span	3.0
Gen	BIO-100	Bio Science I	4.0
Core	AHE-051	Health Science Careers	3.0
		SEMESTER TOTALS	13.0
		TOTAL PROGRAM HOURS	13.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

HEALTH AND PUBLIC SERVICES MAJORS

AREA OF STUDY - PUBLIC SERVICES

(MET.HP.PUB) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Public Services area of study, you will have the opportunity to explore a variety of majors that help you gain the knowledge and skills for a rewarding career providing care and services to others. Human Services and Law Enforcement majors prepare you for careers that make a difference in people's lives through the counsel or service you provide.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen PSY-271	Intr/Psychology	3.0
Gen HED-178	Responding to Emergencies	2.0
Gen SOC-282	Social Problems	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	14.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

HEALTH AND PUBLIC SERVICES MAJORS

AREA OF STUDY - HUMANITIES & SOCIAL SCIENCE

(MET.HSS) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Humanities and Social Sciences Exploratory Area of Study, you'll find majors that invite you to consider perspectives on humanity and develop your creative and critical thinking skills. Within the Humanities and Social Sciences, you can explore art in hands-on studios, take your turn as an on-air personality in the broadcasting area, enhance your social media skills in communications classes, or develop your writing, thinking and understanding of the world around us through classes in criminal justice, psychology, sociology, philosophy or literature.

For the Humanities and Social Sciences Exploratory Area of Study, you can choose any of the courses listed below, as each of these courses will count toward the majors in this area.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen PSY-271	Intr/Psychology	3.0
Gen SOC-280	Introduction to Sociology	3.0
Gen ESC-102	Weather and Climate	4.0
Gen HIS-156	History of the U.S. II	3.0
Gen HUM-150	Humanities Through the Arts	3.0
Gen PHI-280	Ethics	3.0
	SEMESTER TOTALS	25.0
	TOTAL PROGRAM HOURS	25.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

HUMANITIES AND SOCIAL SCIENCE MAJORS

AREA OF STUDY - INFORMATION TECHNOLOGY

(MET.IT) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Information Technology area of study you will have the opportunity to explore a variety of majors that prepare you to sustain computer networks, write programming code to accomplish goals and translate creative ideas into digital platforms. Through a combination of faculty instruction and hands-on experiences, you'll learn the critical thinking and highly technical skills needed for a successful career in computers or application-related fields.

FIRST YEAR			
First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	PSY-271	Intr/Psychology	3.0
Gen	COM-111	Intro to Speech Communication	3.0
Core	CIS-160	Practical Software Applications	3.0
Core	CIS-099	Introduction to Web Technology	3.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	15.0

SUGGESTED ELECTIVES			
Ele	ITT-051	Special Topics in IT	3.0
Ele	CIS-156	Computer Logic	3.0
Ele	CIS-071	Introduction to Networking	2.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

INFORMATION TECHNOLOGY MAJORS

AREA OF STUDY - MANUFACTURING

(MET.MANF) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Manufacturing area of study, you can convert your curiosity and interest in learning how things work into a successful career. You'll find a major designed around highly technical hands-on labs filled with the same equipment found in industry. Experienced faculty create educational experiences that equip you with the skills and knowledge to confidently investigate issues, find solutions and create preventative measures for efficiency in operations.

FIRST YEAR			
First Semester			Hours
Gen	ENG-050	Writing for Industry or	
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	APT-041	Applied Mathematics I or	
Gen	MAT-129	College Algebra Pathway * or	
Gen	MAT-130	College Algebra *	3.0
Gen	ECO-231	Principles of Economics I (Macro)	3.0
Gen	COM-111	Intro to Speech Communication	3.0
Ele	--- ---	Career Elective	2.0
		SEMESTER TOTALS	14.0
		TOTAL PROGRAM HOURS	14.0

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Email: counsel@lakelandcollege.edu

SUGGESTED ELECTIVES			
Ele	WLD-040	Welding Fundamentals	2.5
Ele	CAD-056	CAD I	2.0
Ele	APT-050	Electrical Principles/Practice	4.0
Ele	IND-044	Fluid Power	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

MANUFACTURING MAJORS

AREA OF STUDY - MATH & SCIENCE

(MET.MS) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Math & Science area of study, you will have the opportunity to explore a variety of majors that provide you with the foundational knowledge you need to succeed as you pursue advanced education in math, science, engineering or medical fields. Faculty challenge you to expand your critical thinking skills beyond the tasks at hand. State-of-the-art lab equipment, including a cadaver lab, provide you with the lab assignments most students do not experience until their junior years. In this area, you'll study the building blocks that lead to both a rewarding and relevant career in the analytically and technologically complex world in which we live.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I	4.0
Gen --- ---	MAT 124 or higher	3.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	17.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

MATH AND SCIENCE MAJORS

AREA OF STUDY - TRANSPORTATION

(MET.TRAN) ASSOCIATE IN LIBERAL STUDIES

If you are unsure about choosing your college major, you can select an Exploratory Area of Study. This gives you the opportunity to explore academic options before deciding on a particular major. You'll also have the chance to work closely with an academic counselor to weigh the benefits of each major and develop a personalized education plan that fits your interests. Classes within each area of study have been carefully designed to allow you the chance to explore and move you forward toward your further educational and career goals.

In the Transportation area of study, you'll prepare for a career that keeps vehicles on the road and connects people and products to their destinations. If it's automotive you are interested in, you'll learn diagnostic, mechanical and repair skills in a newly renovated service lab. In the CDL program, you'll prepare for an in-demand career as a truck driver, providing goods that keep our economy going.

FIRST YEAR		
First Semester		Hours
Core AUT-048	Intro to Auto Maintenance & Light Repair	3.0
Gen APT-041	Applied Mathematics I	3.0
Core AUT-051	Electrical Systems I	3.0
Core AUT-053	Brake Systems *	3.0
Core AUT-080	Auto Suspension & Steering *	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	15.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

TRANSPORTATION MAJORS

IN THIS CHAPTER:

- ASSOCIATE IN ARTS DEGREES
- ASSOCIATE IN ENGINEERING SCIENCE DEGREE
- ASSOCIATE IN SCIENCE DEGREES
- GENERAL EDUCATION/ ILLINOIS ARTICULATION INITIATIVE

TRANSFER READY MAJORS

ASSOCIATE IN ARTS DEGREES

ASSOCIATE IN SCIENCE DEGREES

ASSOCIATE IN ENGINEERING SCIENCE DEGREE

GENERAL EDUCATION

COURSE REQUIREMENTS FOR ASSOCIATE IN ARTS (AA) AND ASSOCIATE IN SCIENCE (AS)

By completing an AA or AS degree prior to transfer, students will be considered to have attained junior standing and to have met all lower division general education requirements upon transfer to an Illinois public college or university.

Lake Land College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the Illinois General Education Core Curriculum (GECC) between participating institutions. Completion of the GECC at any participating college in Illinois assures transferring students that lower-division general education requirements for an associate or bachelor's degree have been satisfied. The IAI GECC course number for each Lake Land College course is included in ( ) in the course listings below. The AA degree includes the complete IAI GECC. Students who complete the AS degree may complete the additional 6 hours of IAI GECC (one course in Humanities and Fine Arts and one course in Social and Behavioral Sciences) as part of their Electives or following transfer to the four-year university.

Students may check the IAI website at transfer.org for updates to the approved course list.

CATEGORY	ASSOCIATE IN ARTS	ASSOCIATE IN SCIENCE
Total General Education Core Curriculum	37-38 semester hours as noted below	31-32 semester hours as noted below
Communications (IAI C)	3 courses (9 semester hours) including a two-course sequence in writing (6 semester hours) and one course in oral communication (3 semester hours)	3 courses (9 semester hours) including a two-course sequence in writing (6 semester hours) and one course in oral communication (3 semester hours)
Mathematics (IAI M)	1 course (3 semester hours)	1 course (3 semester hours)
Physical and Life Sciences (IAI P, IAI L)	2 courses (7 to 8 semester hours) with one course selected from the physical sciences (IAI P) and one course selected from the life sciences (IAI L) including at least one laboratory course (noted with an L at the end of the IAI number)	2 courses (7 to 8 semester hours) with one course selected from the physical sciences (IAI P) and one course selected from the life sciences (IAI L) including at least one laboratory course (noted with an L at the end of the IAI number)
Humanities and Fine Arts (IAI H, IAI F, IAI HF)	3 courses (9 semester hours) with at least one course selected from humanities (IAI H) and at least one course from fine arts (IAI F)	2 courses (6 semester hours) with one course selected from humanities (IAI H) and one course from fine arts (IAI F)
Social and Behavioral Sciences (IAI S)	3 courses (9 semester hours) with courses selected from at least two disciplines (ANT, ECO, GEO, HIS, POS, PSY, SOC)	2 courses (6 semester hours) with courses selected from two disciplines (ANT, ECO, GEO, HIS, POS, PSY, SOC)
Additional Math and Science Requirements	0 semester hours	2 courses (6 semester hours) one math course – MAT 100 or higher and one science course selected from BIO, CHM, ESC, PHY numbered 100 or higher
Recommended Major Courses/Electives	26-27 semester hours See sample majors on the following pages and consult with a counselor or your academic advisor. May include no more than 9 hours of courses numbered 040-099	26-27 semester hours See sample majors on the following pages and consult with a counselor or your academic advisor. May include no more than 9 hours of courses numbered 040-099
Total Minimum Hours Required for the Degree from Lake Land College	64 semester hours	64 semester hours

ILLINOIS ARTICULATION INITIATIVE (IAI) APPROVED GENERAL EDUCATION CORE CURRICULUM (GECC) COURSES

COMMUNICATIONS (IAI C)

ENG 119	Composition I Pathway	(C1 900)
ENG 120	Composition I	(C1 900)
ENG 121	Composition II	(C1 901R)
COM 111	Intro to Speech Communication	(C2 900)

A grade of "C" or better is required in Composition I Pathway (ENG 119), Composition I (ENG 120) and Composition II (ENG 121) to graduate with an associate in arts, associate in science or associate in engineering science degree.

MATHEMATICS (IAI M)

MAT 115	General Education Math Pathway	(M1 904)
MAT 116	General Education Math	(M1 904)
MAT 124	Statistics Pathway	(M1 902)
MAT 125	Statistics	(M1 902)
MAT 210	Finite Mathematics	(M1 906)
MAT 211	Mathematical Analysis	(M1 900–B)
MAT 218	Mathematics for Elementary Teachers II	(M1 903)
MAT 241	Analytic Geometry & Calculus I	(M1 900–1)
MAT 242	Analytic Geometry & Calculus II	(M1 900–2)
MAT 243	Analytic Geometry & Calculus III	(M1 900–3)

PHYSICAL AND LIFE SCIENCES (IAI P AND IAI L)

PHYSICAL SCIENCE (IAI P)

CHM 101	Physical Science II	(P1 903L)
CHM 111	Concepts of Chemistry	(P1 903L)
CHM 120	General, Organic and Biochemistry I	(P1 902L)
CHM 150	General Chemistry I	(P1 902L)
ESC 100	Physical Geology	(P1 907L)
ESC 102	Weather and Climate	(P1 905L)
ESC 104	Physical Geography	(P1 909L)
PHY 110	Concepts of Physics	(P1 900L)
PHY 115	Astronomy	(P1 906)
PHY 130	College Physics I	(P1 900L)
PHY 140	University Physics I	(P2 900L)

LIFE SCIENCE (IAI L)

BIO 100	Bio Science I	(L1 910L)
BIO 111	General Botany	(L1 910L)
BIO 116	General Zoology	(L1 910L)
BIO 130	Environmental Science	(L1 905L)
BIO 150	Biotechnology in Society	(L1 906)
BIO 160	Introduction to Genetics	(L1 906)

HUMANITIES AND FINE ARTS (IAI H, IAI F, IAI HF)

HUMANITIES (IAI H)

HIS 153	History of Non-Western Civ	(H2 903N)
HIS 250	Western Civilization to 1660	(H2 901)
HIS 252	Western Civilization from 1660	(H2 902)
HUM 120	Myths & Legends	(H9 901)
HUM 150	Humanities through the Arts	(HF 900)
LIT 130	Introduction to Literature	(H3 900)
LIT 147	Introduction to Fiction	(H3 901)
LIT 250	American Literature Survey I	(H3 914)
LIT 251	American Literature Survey II	(H3 915)
LIT 252	Multicultural American Literature	(H3 910D)
LIT 260	Survey of English Literature I	(H3 912)
LIT 261	Survey of English Literature II	(H3 913)
LIT 270	Literature of Women	(H3 911D)
LIT 274	Bible as Literature	(H5 901)
PHI 232	World Religions	(H4 905)
PHI 270	Introduction to Philosophy	(H4 900)
PHI 280	Ethics	(H4 904)
PHI 290	Introduction to Logic	(H4 906)

FINE ARTS (IAI F)

ART 240	Art & Gender	(F2 907D)
ART 250	Understanding Art	(F2 900)
ART 260	Art History I	(F2 901)
ART 261	Art History II	(F2 902)
HUM 150	Humanities Through the Arts	(HF 900)
HUM 181	Introduction to Film Appreciation	(F2 908)
MUS 150	Music in American History & Culture	(F1 904)
MUS 229	Understanding Music	(F1 900)

SOCIAL AND BEHAVIORAL SCIENCES (IAI S)

ANT 200	General Anthropology	(S1 900N)
ECO 231	Principles of Economics I	(S3 901)
ECO 232	Principles of Economics II	(S3 902)
GEO 140	World Geography	(S4 906)
HIS 155	History of United States I	(S2 900)
HIS 156	History of United States II	(S2 901)
POS 160	American National Government	(S5 900)
POS 162	State and Local Government	(S5 902)
POS 264	Intro/Interntnl Rel	(S5 904)
PSY 271	Intro to Psychology	(S6 900)
PSY 274	Child Development	(S6 903)
PSY 275	Psychology of Maturity & Old Age	(S6 905)
PSY 277	Social Psychology	(S8 900)
PSY 279	Human Development/Life Span	(S6 902)
SOC 280	Introduction to Sociology	(S7 900)
SOC 282	Social Problems	(S7 901)
SOC 286	Racial and Ethnic Groups	(S7 903D)
SOC 288	Sociology of Sexuality & Gender	(S7 904D)
SOC 290	Sociology of Family	(S7 902)
SOS 100	Maps and Spatial Awareness	(S4 906)

ASSOCIATE IN ENGINEERING SCIENCE DEGREE (AES)

General Education requirements for an Associate in Engineering Science degree are described on the sample major page for Engineering.

All courses must be at the 100 course level or above.

TRANSFER OF COMPLETED ASSOCIATE DEGREES

If a student completes an AA or an AS degree, he or she will be considered to have attained junior standing and to have met lower division general education requirements upon transfer to an Illinois public college or university. Visit itransfer.org for more information.

CAUTION: Requirements differ from one institution to another. The student should refer to the catalog of the four-year university to which he or she plans to transfer and consult with a member of the college counseling staff prior to registering for the courses he or she selects. Examples of outlines for each major are listed on the following pages.

Some College Transfer Majors are listed in this chapter with a sample model on the following pages. See your academic advisor or Counseling Services for those College Transfer Major models not listed.

DEGREE AUDIT

Degree-seeking students should run a degree-audit prior to registration each semester to determine how courses completed apply toward their intended degree and identify additional courses needed.

*** Please note prerequisites or course requisites listed in the Course Descriptions section of this catalog.**

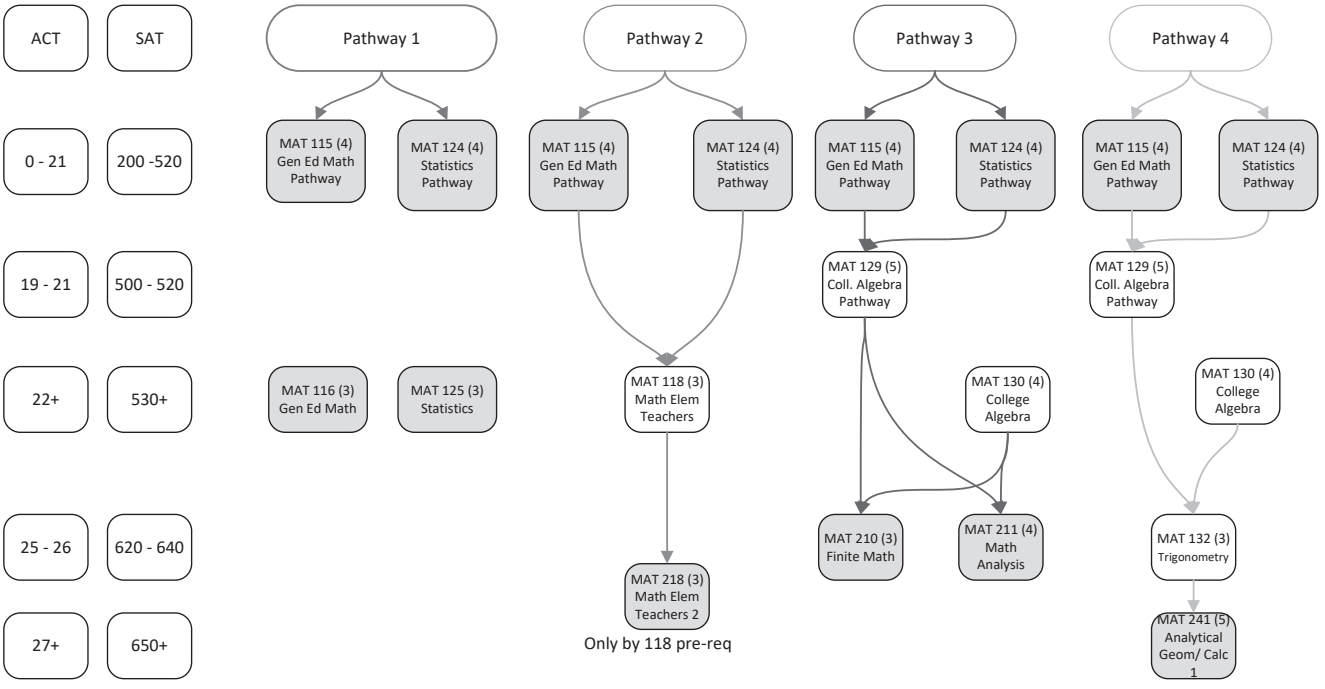
MATH PATHWAYS

The Lake Land College Math Pathways include the required math class sequence based on placement test or SAT/ACT results. The pathways are organized by major and are indicated with each Transfer Ready program model.

Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

SCAN ME

Lake Land College Math Pathways
A full overview of the different math pathway options at Lake Land College.



The number in parentheses after the course ID indicates the number of credit hours for the course.

Courses filled in GRAY satisfy the General Education Core Curriculum requirements and are IAI transfer courses.
Math requirements for a specific major may vary from one institution to another. Please consult with an advisor to confirm the pathway that is applicable to your major and transfer institution.

AGRICULTURE TRANSFER

(AA.AGR) ASSOCIATE IN ARTS
Area of Study - Agriculture

The Agriculture transfer curriculum is designed for those students who are planning to transfer to a university and earn the Bachelor of Science degree in Agriculture.

This program follows Math Pathway #3. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Gen PSY-271	Introduction to Psychology or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Core AGR-206	Intro/Animal Science	4.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-211	Math Analysis * or	
Gen MAT-210	Finite Mathematics *	3.0
Core AGR-205	Intro/Soil Science	4.0
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen ART-250	Understanding Art or	
Gen --- ---	IAI Fine Arts	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen CHM-120	General, Organic and Biochemistry I or	
Gen CHM-150	General Chemistry I *	4.0
Ele AGR-208	Intro/Ag Mechanization or	
Ele HRT-201	Introduction to Horticulture	3.0
Core AGR-207	Intro/Ag Economics	4.0
Gen HIS-250	Western Civil to 1660 or	
Gen HIS-252	West Civil/1660-Present or	
Gen --- ---	IAI Humanities/Fine Arts	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen CHM-121	General, Organic and Biochemistry II * or	
Gen CHM-151	General Chemistry II *	4.0
Gen HIS-153	History/Culture of Non-Western Civ. or	
Gen --- ---	IAI Humanities/Fine Arts	3.0
Core AGR-204	Prin/Field Crop Science	4.0
Gen POS-160	American National Government or	
Gen SOC-286	Racial and Ethnic Groups or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	65.0

SUGGESTED ELECTIVES

Ele AGR-064	Beef/Dairy Production Skills	1.5
Ele AGR-201	Intro/Agriculture Education	3.0
Ele AGR-065	A.I. Management-Cattle	1.5
Ele AGR-071	Swine Reproduction and A.I.	1.0
Ele AGR-067	Livestock Merchandising I	1.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Ryan Wildman
Faculty Email: rwildman@lakelandcollege.edu
Faculty Phone: 217-234-5226

ART

(AA.ART) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

This curriculum is for students interested in careers in fine artistry, education, printmaking, illustration and design who plan to transfer to a university.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Core ART-100	Drawing I FA	3.0
Core ART-110	2-D Design	3.0
Gen PSY-271	Introduction to Psychology	3.0
Gen ENG-119	Composition I Pathway or	
Gen ENG-120	Composition I	3.0
Gen ESC-102	Weather and Climate or	
Gen ESC-104	Physical Geography	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core ART-200	Drawing II	3.0
Core ART-111	3-D Design SP	3.0
Core ART-260	Art History I SP	3.0
Gen ENG-121	Composition II *	3.0
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math * or	
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core ART-205	Painting I	3.0
Core ART-225	Ceramics I FA	3.0
Core ART-261	Art History II	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen HIS-155	History of the U.S. I or	
Gen HIS-156	History of the U.S. II	3.0
Gen BIO-130	Environmental Science	4.0
	SEMESTER TOTALS	19.0
Second Semester		
Core ART-206	Painting II	3.0
Core ART-161	Printmaking	3.0
Gen PHI-280	Ethics	3.0
Gen SOC-280	Introduction to Sociology	3.0
Ele ART-250	Understanding Art or	
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

FA Course only offered fall semester
SP Course only offered spring semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Cohan
Faculty Email: mcohan@lakelandcollege.edu
Faculty Phone: 217-234-5465

ASSOCIATE IN ENGINEERING SCIENCE

(AES.ENGR) ASSOCIATE IN ENGINEERING SCIENCE
Area of Study - Math & Science

This curriculum is designed for students wanting to pursue a bachelor's degree in engineering at the University of Illinois Urbana-Champaign. The University of Illinois requires specific minimum GPAs for entry into the various majors of engineering. Consult an academic advisor at the University of Illinois for important program-specific information.

The associate in engineering science degree requires the completion of 63 credit hours. The University of Illinois highly encourages students to apply through their Engineering Pathways program during their senior year of high school for a streamlined transfer experience and guaranteed admission into Grainger College of Engineering. This program is designed for students who plan to start at Lake Land College in the AES major and transfer to the University of Illinois.

Only courses with a course number of 100 or higher meet graduation requirements for the AES degree.

The Illinois Articulation Initiative recommends that transfer students take two humanities/fine arts courses from the same course sequence. Those courses are not planned into the curriculum below but can be taken. The University of Illinois allows you to take those courses at the university or the community college.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-160	Computer Science I *	3.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Ele --- ---	Elective	3.0
Gen CHM-150	General Chemistry I *	4.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-242	Analytical Geometry and Calculus II *	4.0
Gen PHY-140	University Physics I * SP	4.0
Ele CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Gen PHY-141	University Physics II * FA	4.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Ele MAT-243	Analytical Geometry and Calculus III *	4.0
Ele --- ---	Elective	6.0
	SEMESTER TOTALS	17.0
Second Semester		
Ele PHY-142	University Physics III * SP	4.0
Gen ECO-232	Principles of Economics II (Micro) * or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele MAT-245	Differential Equations * SP	3.0
Ele --- ---	Elective	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	63.0

SUGGESTED ELECTIVES

Ele MAT-255	Linear Algebra * FA	3.0
Ele PHY-239	Mechanics I * FA	3.0
Ele PHY-240	Mechanics II * SP	3.0
Ele PHY-245	Solid Mechanics * SP	3.0
Ele TEC-103	Engineering Graphics	3.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Daniel Allen
Faculty Email: dallen3077@lakelandcollege.edu
Faculty Phone: 217-234-5435

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester | FA Course only offered fall semester

BIOSCIENCE NON-TEACHING

(AS.BIOL) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, bioscience students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Gen MAT-132	Trigonometry *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core BIO-116	General Zoology *	4.0
Gen CHM-151	General Chemistry II *	4.0
Gen COM-111	Intro to Speech Communication	3.0
Gen POS-160	American National Government or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Core BIO-111	General Botany *	4.0
Core CHM-243	Organic Chemistry I * FA	4.0
Core CHM-253	Organic Chemistry Lab I * FA	1.0
Gen HIS-153	History/Culture of Non-Western Civ. or	
Gen --- ---	IAI Humanities	3.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ANT-200	General Anthropology or	
Gen GEO-140	World Geography or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen --- ---	IAI Fine Arts	3.0
Ele --- ---	Transfer Elective	3.0
Ele BIO-212	Vertebrate Zoology *	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele BIO-225	Human Anatomy and Physiology I	4.0
Ele BIO-245	Biology Seminar	1.0
Ele MAT-125	Statistics *	3.0
Ele MAT-124	Statistics Pathway *	4.0
Ele PHY-130	College Physics I * FA	4.0
Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Daniel Allen
Faculty Email: dallen3077@lakelandcollege.edu
Faculty Phone: 217-234-5435

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Laurie Davis Rincker

BUSINESS

(AA.BA) ASSOCIATE IN ARTS

Area of Study - Business Management

This degree is also available online. This curriculum is for students interested in business administration (accounting, finance, management, marketing, computer information systems) planning to transfer to a university. Course requirements are modified to meet demands of individual universities.

This program follows Math Pathway #3. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Ele --- ---	Business Elective	3.0
Gen --- ---	IAI Physical/Life Science	3.0
Gen PHI-290	Intro to Logic	3.0
Core BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	15.0

Second Semester		
Gen ENG-121	Composition II *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen MAT-211	Math Analysis * or	
Gen MAT-210	Finite Mathematics *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Physical/Life Science	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Core BUS-221	Financial Accounting *	3.0
Core BUS-200	Legal Environ/Business	3.0
Ele --- ---	Business Elective	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Gen --- ---	IAI Humanities/Fine Arts	3.0
Core BUS-120	Business Career Development	3.0
	SEMESTER TOTALS	18.0

Second Semester		
Core BUS-222	Managerial Accounting *	3.0
Core BUS-281	Business Statistics *	3.0
Gen ECO-232	Principles of Economics II (Micro) *	3.0
Gen --- ---	IAI Humanities/Fine Arts	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Rachel Young
Faculty Email: ryoung3@lakelandcollege.edu
Faculty Phone: 217-234-5258

BUSINESS EDUCATION

(AA.BE) ASSOCIATE IN ARTS
Area of Study - Education

This curriculum is for students interested in business education who plan to transfer to a university. Course requirements are modified to meet demands of individual universities. Upon completion of this program, students may transfer as juniors to universities.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core BUS-142	Introduction to Business	3.0
Gen --- ---	IAI Physical/Life Science	4.0
Gen --- ---	IAI Humanities/Fine Arts	6.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen --- ---	IAI Physical/Life Science	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Core BUS-221	Financial Accounting *	3.0
Core BUS-200	Legal Environ/Business	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core BUS-120	Business Career Development	3.0
Ele --- ---	Business Elective	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Core BUS-222	Managerial Accounting *	3.0
Gen ECO-232	Principles of Economics II (Micro) *	3.0
Gen POS-160	American National Government	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Wright
Faculty Email: swright2756@lakelandcollege.edu
Faculty Phone: 217-234-5355

CHEMISTRY

(AS.CHEM) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, chemistry students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen CHM-150	General Chemistry I *	4.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen --- ---	IAI Humanities	3.0
Gen -- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	18.0

Second Semester		
Gen CHM-151	General Chemistry II *	4.0
Gen MAT-242	Analytical Geometry and Calculus II *	4.0
Gen ENG-121	Composition II *	3.0
Ele PHY-140	University Physics I * SP	4.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Ele CHM-243	Organic Chemistry I * FA	4.0
Ele CHM-253	Organic Chemistry Lab I * FA	1.0
Ele PHY-141	University Physics II * FA	4.0
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Fine Arts	3.0
	SEMESTER TOTALS	15.0

Second Semester		
Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0
Ele MAT-243	Analytical Geometry and Calculus III *	4.0
Gen --- --	IAI Social/Behavioral Science	3.0
Gen BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele PHY-142	University Physics III * SP	4.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Capitosti
Faculty Email: gcapitos@lakelandcollege.edu
Faculty Phone: 217-234-5320

CLINICAL LABORATORY SCIENCE

(AS.CLSC) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, clinical laboratory students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Gen PSY-271	Introduction to Psychology or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-111	General Botany *	4.0
Gen CHM-151	General Chemistry II *	4.0
Gen COM-111	Intro to Speech Communication	3.0
Gen ANT-200	General Anthropology or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Ele BIO-225	Human Anatomy and Physiology I *	4.0
Ele CHM-243	Organic Chemistry I * FA	4.0
Ele CHM-253	Organic Chemistry Lab I * FA	1.0
Gen --- ---	IAI Fine Arts	3.0
Ele MAT-129	College Algebra Pathway * or	
Ele MAT-130	College Algebra *	4.0
	SEMESTER TOTALS	16.0
Second Semester		
Ele BIO-226	Human Anatomy and Physiology II *	4.0
Ele --- ---	Transfer Elective	3.0
Ele BIO-116	General Zoology *	4.0
Gen PHI-280	Ethics or	
Gen --- ---	IAI Humanities	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Turnbull
Faculty Email: dturnbul@lakelandcollege.edu
Faculty Phone: 217-234-5419

COMMUNICATION STUDIES

(AA.SPCH) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

The Communication Studies transfer program emphasizes the importance of developing a variety of communication skills for numerous careers. The program prepares students for the junior and senior levels of study in Communications Studies in areas including persuasion, interpersonal, group, digital and mass media.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Core	COM-150	Introduction to Broadcasting	3.0
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	COM-111	Intro to Speech Communication	3.0
Gen	--- ---	IAI Physical/Life Science	4.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
		SEMESTER TOTALS	16.0
Second Semester			
Core	COM-200	Interpersonal Communication	3.0
Gen	ENG-121	Composition II *	3.0
Gen	MAT-115	General Education Pathway * or	
Gen	MAT-116	General Education Math * or	
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics *	3.0
Gen	--- ---	IAI Physical/Life Science	3.0
Ele	COM-165	Broadcast Writing or	
Ele	--- ---	COM Elective	3.0
		SEMESTER TOTALS	15.0

SECOND YEAR

First Semester			Hours
Core	COM-213	Intro to Group Discussion or	
Core	COM-220	Persuasive Speaking	3.0
Gen	--- ---	IAI Humanities/Fine Arts	3.0
Gen	PHI-280	Ethics or	
Gen	--- ---	IAI Humanities/Fine Arts	3.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Ele	--- ---	COM Elective	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Core	COM-220	Persuasive Speaking or	
Core	COM-213	Intro to Group Discussion	3.0
Core	--- ---	COM Elective or	
Core	INS-299	Independent Study	3.0
Gen	--- ---	IAI Humanities/Fine Arts	3.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Ele	--- ---	COM Elective	6.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Edward Thomas
Faculty Email: ethomas6875@lakelandcollege.edu
Faculty Phone: 217-234-5035

COMPUTER SCIENCE

(AA.CS) ASSOCIATE IN ARTS
Area of Study - Math & Science

The Computer Science program provides students with a strong foundation in programming, problem-solving and computational thinking while introducing essential concepts such as data structures, algorithms, computer systems and software development. Students develop practical skills in modern programming languages, object-oriented design and mathematical reasoning to prepare for careers in technology or to transfer into bachelor's programs at universities. Graduates are equipped with both theoretical knowledge and applied experience to pursue opportunities in software development, data analysis, networking and related fields.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Gen --- ---	IAI Humanities	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core MAT-160	Computer Science I *	3.0
	SEMESTER TOTALS	17.0

Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-242	Analytical Geometry and Calculus II *	4.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen PHY-140	University Physics I * SP or	
Gen --- ---	IAI Physical Science	4.0
Core MAT-165	Computer Science II *	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Core MAT-260	Discrete Math *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Ele PHY-141	University Physics II * FA or	
Ele --- ---	Transfer Elective	4.0
Gen MAT-255	Linear Algebra * FA	3.0
Ele --- ---	IAI Humanities/Fine Arts	3.0
	SEMESTER TOTALS	16.0

Second Semester		
Gen --- ---	IAI Life Science	3.0
Gen --- ---	IAI Fine Arts *	4.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele --- ---	Transfer Elective	4.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele CHM-150	General Chemistry I *	4.0
Ele MAT-124	Statistics Pathway *	
Ele MAT-125	Statistics *	3.0
Ele MAT-243	Analytical Geometry and Calculus III *	4.0
Ele PHY-142	University Physics III *	4.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Harley
Faculty Email: sharley@lakelandcollege.edu
Faculty Phone: 217-234-5289

CONSERVATION/PRE-FORESTRY

(AS.CONSF) ASSOCIATE IN SCIENCE
Area of Study - Math & Science

Upon completion of this course sequence, conservation/pre-forestry students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * ^^	4.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-120	General, Organic and Biochemistry I FA	4.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-116	General Zoology *	4.0
Gen SOS-100	Maps and Spatial Analysis	3.0
Ele BIO-160	Introduction to Genetics	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Ele BIO-111	General Botany *	4.0
Gen MUS-150	Music in American History & Culture	3.0
Ele --- ---	Transfer Elective	6.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Ele BIO-212	Vertebrate Zoology * SP	3.0
Gen BIO-130	Environmental Science	4.0
Ele AGR-205	Intro/Soil Science	4.0
Gen HIS-153	History/Culture of Non-Western Civ. or	
Gen --- ---	IAI Humanities	3.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES		
Ele ANT-200	General Anthropology	3.0
Ele GEO-140	World Geography	3.0
Ele ECO-232	Principles of Economics II (Micro)	3.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
^^ Consult Academic Advisor for appropriate course
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jeffrey White
Faculty Email: jwhite@lakelandcollege.edu
Faculty Phone: 217-234-5418

CONSERVATION/PRE-WILDLIFE

(AS.CONSW) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, conservation/pre-wildlife students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	BIO-100	Bio Science I	4.0
Gen	CHM-150	General Chemistry I *	4.0
Ele	--- ---	IAI Mathematics *	3.0
		SEMESTER TOTALS	14.0
Second Semester			
Gen	ENG-121	Composition II *	3.0
Ele	BIO-111	General Botany *	4.0
Gen	CHM-151	General Chemistry II *	4.0
Gen	MAT-241	Analytical Geometry and Calculus I *	5.0
Gen	SOS-100	Maps and Spatial Analysis or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
		SEMESTER TOTALS	19.0

SECOND YEAR

First Semester			Hours
Ele	BIO-116	General Zoology *	4.0
Ele	BIO-130	Environmental Science	4.0
Ele	CHM-243	Organic Chemistry I *	4.0
Ele	CHM-253	Organic Chemistry Lab I *	1.0
Gen	HIS-153	History/Culture of Non-Western Civ. or	
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	16.0
Second Semester			
Gen	--- ---	IAI Fine Arts	3.0
Gen	COM-111	Intro to Speech Communication	3.0
Ele	BIO-212	Vertebrate Zoology * SP	3.0
Gen	ANT-200	General Anthropology or	
Gen	GEO-140	World Geography or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics *	3.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	PHY-130	College Physics I * FA	4.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jeffrey White
Faculty Email: jwhite@lakelandcollege.edu
Faculty Phone: 217-234-5418

CRIMINAL JUSTICE

(AA.CJS) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

This program is designed for students desiring to enter a criminal justice field (law enforcement, corrections, probation, etc.) directly upon graduation or for students desiring to transfer to a university.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Gen PSY-271	Introduction to Psychology	3.0
Gen POS-162	State/Local Govern	3.0
Core CJS-150	Intro/Criminal Justice	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core PSY-273	Abnormal Psychology	3.0
Core CJS-152	Criminal Investigation I	3.0
Core CJS-156	Criminal Law	3.0
Gen --- ---	IAI Life Science	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Physical Science	3.0
Gen --- ---	IAI Humanities	3.0
Core CJS-166	Corrections	3.0
Core CJS-160	Criminal Evidence and Procedure	3.0
Core CJS-200	Liability in Criminal Justice	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Core CJS-158	Juvenile Justice	3.0
Gen --- ---	IAI Fine Arts	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen --- ---	IAI Humanities	3.0
Core CJS-250	Criminology	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

EARLY CHILDHOOD EDUCATION

(AA.ECHED) ASSOCIATE IN ARTS

Area of Study - Education

This program is designed for students desiring to transfer to a university and obtain PEL Early Childhood Licensure Certificate, Birth-Grade 2.

This program follows Math Pathway #2. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen EDU-100	Introduction to Education	3.0
Gen MAT-118	Math for Elem Teachers I *	3.0
Gen HIS-155	History of the U.S. I or	
Gen HIS-156	History of the U.S. II	3.0
Gen MUS-229	Understanding Music or	
Gen ART-250	Understanding Art	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-218	Math for Elem Teachers II *	3.0
Gen PSY-274	Child Development	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen POS-160	American National Government	3.0
Gen PHY-110	Concepts of Physics or	
Gen CHM-111	Concepts of Chemistry	4.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core EDU-190	Introduction/Special Education	3.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	18.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Gen --- ---	IAI Humanities/Fine Arts	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core PED-172	Bsc Act Elem/Sec Child	2.0
Gen --- ---	IAI Physical Science	4.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kimberly Davis
Faculty Email: kdavis9876@lakelandcollege.edu
Faculty Phone: 217-234-5471

EARTH SCIENCE

(AS.EASC) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, earth science students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	ESC-102	Weather and Climate	4.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics *	3.0
Ele	--- ---	Transfer Elective	4.0
		SEMESTER TOTALS	14.0
Second Semester			
Gen	ENG-121	Composition II *	3.0
Gen	GEO-140	World Geography	3.0
Gen	MAT-129	College Algebra Pathway * or	
Gen	MAT-130	College Algebra *	4.0
Ele	ESC-100	Physical Geology SP	4.0
Ele	--- ---	Transfer Elective	3.0
		SEMESTER TOTALS	17.0

SECOND YEAR

First Semester			Hours
Ele	ESC-104	Physical Geography FA	3.0
Gen	COM-111	Intro to Speech Communication	3.0
Gen	MAT-132	Trigonometry *	3.0
Gen	--- ---	IAI Fine Arts	3.0
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Ele	--- ---	Transfer Elective	6.0
Gen	BIO-130	Environmental Science or	
Gen	--- ---	IAI Life Science	4.0
Gen	SOS-100	Maps and Spatial Analysis	3.0
Gen	MAT-241	Analytical Geometry and Calculus I *	5.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	CIS-160	Practical Software Applications	3.0
Ele	CIS-156	Computer Logic	3.0
Ele	CHM-111	Concepts of Chemistry	4.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Mike Rudibaugh
Faculty Email: mrudibau@lakelandcollege.edu
Faculty Phone: 217-234-5244

ECONOMICS

(AA.ECO) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

Although various roles in businesses are most common, economics majors are successful in law, medicine, government, non-profits and international relations, as well as in academic roles. Using theoretical models or empirical data, economists evaluate programs, study human behavior and explain social phenomena. A master's degree is typically needed to enter the occupation. However, some economists qualify for entry-level positions with a bachelor's degree.

The economics transfer curriculum is designed for students planning to transfer to a university and earn a bachelor's degree. This is a sample list of major requirements. Consult a counselor or academic advisor before registering. University requirements vary by institution.

This program follows Math Pathway #3. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core ECO-231	Principles of Economics I (Macro)	3.0
Gen HIS-156	History of the U.S. II	3.0
Gen PSY-271	Introduction to Psychology	3.0
Gen MAT-210	Finite Mathematics *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core ECO-232	Principles of Economics II (Micro)	3.0
Gen --- ---	IAI Humanities	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen MAT-211	Math Analysis *	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Fine Arts	3.0
Gen --- ---	IAI Life Science	4.0
Gen BUS-281	Business Statistics *	3.0
Ele --- ---	Transfer Elective	4.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen --- ---	IAI Humanities/Fine Arts	3.0
Gen --- ---	IAI Physical Science	3.0
Ele --- ---	Transfer Elective	10.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Katie Lotz
Faculty Email: klotz@lakelandcollege.edu
Faculty Phone: 217-234-5242

ELEMENTARY EDUCATION

(AA.ELED) ASSOCIATE IN ARTS
Area of Study - Education

This program is designed for students desiring to obtain the PEL Elementary Education Licensure-Grades 1-6.

This program follows Math Pathway #2. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core EDU-100	Introduction to Education	3.0
Gen MAT-118	Math for Elem Teachers I *	3.0
Gen HIS-155	History of the U.S. I or	
Gen HIS-156	History of the U.S. II	3.0
Gen MUS-229	Understanding Music or	
Gen ART-250	Understanding Art	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-218	Math for Elem Teachers II *	3.0
Gen PSY-274	Child Development	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen POS-160	American National Government	3.0
Gen PHY-110	Concepts of Physics or	
Gen CHM-111	Concepts of Chemistry	4.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core EDU-190	Introduction/Special Education	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Gen --- ---	IAI Humanities/Fine Arts	3.0
Core PED-172	Bsc Act Elem/Sec Child	2.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Gen --- ---	IAI Physical Science	4.0
Ele --- ---	Transfer Elective	2.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kimberly Davis
Faculty Email: kdavis9876@lakelandcollege.edu
Faculty Phone: 217-234-5471

ENGLISH

(AA.ENG) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

The English transfer program emphasizes literature, writing, and related areas and is designed to provide a solid background for work at the junior and senior levels in English.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen PHI-280	Ethics	3.0
Gen LIT-130	Intro to Literature	3.0
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math * or	
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core LIT-147	Introduction to Fiction	3.0
Gen HUM-150	Humanities Through the Arts	3.0
Gen SOC-286	Racial and Ethnic Groups or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen BIO-130	Environmental Science	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen HUM-181	Intro to Film Appreciation	3.0
Gen PHI-290	Intro to Logic	3.0
Gen --- ---	IAI Physical Science	3.0
Ele --- ---	Transfer Elective	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Core COM-200	Interpersonal Communication or	
Core COM-213	Intro to Group Discussion or	
Core COM-220	Persuasive Speaking *	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Ele --- ---	Transfer Elective	2.0
Ele FLG-141	Elem Spanish II * or	
Ele HUM-120	Myths and Legends or	
Ele --- ---	Transfer Elective	3.0
Gen PHI-232	World Religions	3.0
Core COM-165	Broadcast Writing	4.0
Gen PSY-271	Introduction to Psychology or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Edward Thomas
Faculty Email: ethomas6875@lakelandcollege.edu
Faculty Phone: 217-234-5035

ENVIRONMENTAL SCIENCE

(AS.ENSC) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, environmental science students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-130	Environmental Science	4.0
Gen CHM-151	General Chemistry II *	4.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Gen SOS-100	Maps and Spatial Analysis or	
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	19.0

SECOND YEAR		
First Semester		Hours
Ele BIO-116	General Zoology *	4.0
Gen ANT-200	General Anthropology or	
Gen GEO-140	World Geography or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele CHM-243	Organic Chemistry I *	4.0
Ele CHM-253	Organic Chemistry Lab I *	1.0
Gen HIS-153	History/Culture of Non-Western Civ. or	
Gen --- ---	IAI Humanities	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen --- ---	IAI Fine Arts	3.0
Gen COM-111	Intro to Speech Communication	3.0
Ele BIO-212	Vertebrate Zoology *	3.0
Ele BIO-111	General Botany *	4.0
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jeffrey White
Faculty Email: jwhite@lakelandcollege.edu
Faculty Phone: 217-234-5418

HEALTH EDUCATION

(AA.HEAED) ASSOCIATE IN ARTS

Area of Study - Education

Health Education prepares students to become effective advocates for healthier individuals, communities and populations. This program provides a strong foundation in public health principles, behavioral sciences and evidence-based strategies to promote wellness, prevent disease and address health disparities.

This program of study can lead to a bachelor's degree in health education, public health, or health science. Students should consult with an advisor during their first year regarding specific transfer curricular and elective coursework to facilitate transfer.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core EDU-100	Introduction to Education	3.0
Gen POS-160	American National Government	3.0
Gen HIS-155	History of the U.S. I or	
Gen HIS-156	History of the U.S. II	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core HED-200	Principles of Health	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen BIO-100	Bio Science I	4.0
Gen PSY-274	Child Development	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Core HED-290	Disease Processes	3.0
Gen --- ---	IAI Physical Science	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core EDU-190	Introduction/Special Education	3.0
Core HED-270	Community Health	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Ele --- ---	Elective	3.0
Gen --- ---	IAI Fine Arts	3.0
Core EDU-200	Educational Psychology	3.0
Gen --- ---	IAI Humanities	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Madison Dailey
Faculty Email: mdailey@lakelandcollege.edu
Faculty Phone: 217-234-5361

HISTORY

(AA.HIS) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

The History Program offers students a broad understanding of the past, with an emphasis on critical thinking, research skills, and an exploration of how historical events shape modern societies. The program is designed to give students a solid foundation in history, preparing them for further study at a four-year institution.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core HIS-250	Western Civil to 1660	3.0
Gen PSY-271	Introduction to Psychology	3.0
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen BIO-130	Environmental Science or	
Gen --- ---	IAI Life Science	4.0
Core HIS-252	West Civil/1660-Present	3.0
Gen GEO-140	World Geography	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen HIS-155	History of the U.S. I	3.0
Gen ESC-102	Weather and Climate or	
Gen --- ---	IAI Physical Science	4.0
Gen MUS-150	Music in American History & Culture or	
Gen ART-250	Understanding Art	3.0
Gen POS-162	State/Local Govern	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core HIS-156	History of the U.S. II	3.0
Core HIS-153	History/Culture of Non-Western Civ.	3.0
Gen SOC-280	Introduction to Sociology	3.0
Ele --- ---	Transfer Elective	8.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Matthew Greider
Faculty Email: mgreider@lakelandcollege.edu
Faculty Phone: 217-234-5290

LIBERAL ARTS

(AA.LAS) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

The sequence below works for students seeking an associate degree to prepare for transfer to a university who wish to cover a broad selection of courses centered on the liberal arts.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-116	General Education Math * or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core HUM-150	Humanities Through the Arts	3.0
Gen SOC-280	Introduction to Sociology	3.0
Core PHI-280	Ethics	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen BIO-130	Environmental Science	4.0
Core HUM-181	Intro to Film Appreciation	3.0
Core LIT-130	Intro to Literature	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Core PHI-232	World Religions	3.0
Gen --- ---	IAI Physical Science	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core LIT-147	Introduction to Fiction	3.0
Ele FLG-140	Elem Spanish I or	
Ele HUM-120	Myths and Legends or	
Ele ART-260	Art History I or	
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core PHI-290	Intro to Logic	3.0
Gen POS-264	Intro/Interntnl Relations	3.0
Ele FLG-141	Elem Spanish II * or	
Ele --- ---	Transfer Elective	3.0
Ele SLN-200	Community Service or	
Ele STA-200	Short Term Study Abroad or	
Ele ART-261	Art History II or	
Ele --- ---	IAI Humanities/Fine Arts	6.0
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	18.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Edward Thomas
Faculty Email: ethomas6875@lakelandcollege.edu
Faculty Phone: 217-234-5035

MATHEMATICS

(AA.MATH) ASSOCIATE IN ARTS
Area of Study - Math & Science

Upon completion of this course sequence, mathematics students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	MAT-241	Analytical Geometry and Calculus I *	5.0
Gen	COM-111	Intro to Speech Communication	3.0
Gen	ECO-231	Principles of Economics I (Macro) or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	HIS-153	History/Culture of Non-Western Civ. or	
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	17.0

Second Semester			
Gen	ENG-121	Composition II *	3.0
Ele	MAT-242	Analytical Geometry and Calculus II *	4.0
Gen	PHY-140	University Physics I * or	
Gen	--- ---	IAI Physical Science	4.0
Gen	ECO-232	Principles of Economics II (Micro) or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	--- ---	IAI Fine Arts	3.0
		SEMESTER TOTALS	17.0

SECOND YEAR

First Semester			Hours
Ele	MAT-160	Computer Science I *	3.0
Ele	MAT-255	Linear Algebra * FA	3.0
Gen	--- ---	IAI Humanities/Fine Arts	3.0
Gen	POS-160	American National Government or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
Ele	--- ---	Transfer Elective	3.0
		SEMESTER TOTALS	15.0

Second Semester			
Ele	MAT-243	Analytical Geometry and Calculus III *	4.0
Ele	--- ---	Transfer Elective	3.0
Ele	MAT-245	Differential Equations * SP	3.0
Gen	--- ---	IAI Life Science	3.0
Ele	--- ---	Transfer Elective	3.0
		SEMESTER TOTALS	16.0
		TOTAL PROGRAM HOURS	65.0

SUGGESTED ELECTIVES

Ele	MAT-125	Statistics *	
Ele	MAT-124	Statistics Pathway *	4.0
Ele	MAT-210	Finite Mathematics *	3.0
Ele	BUS-221	Financial Accounting *	3.0
Ele	BUS-222	Managerial Accounting *	3.0
Ele	CIS-156	Computer Logic *	3.0
Ele	EDU-100	Introduction to Education	3.0
Ele	ANT-200	General Anthropology	3.0
Ele	GEO-140	World Geography	3.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Bambi Jones
Faculty Email: bjones@lakelandcollege.edu
Faculty Phone: 217-234-5423

MATHEMATICS EDUCATION

(AA.MAED) ASSOCIATE IN ARTS

Area of Study - Education

Mathematics Education prepares the student to transfer to a senior institution with a major in mathematics education.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Core	MAT-241	Analytical Geometry and Calculus I *	5.0
Core	EDU-100	Introduction to Education	3.0
Gen	POS-160	American National Government	3.0
Gen	HIS-153	History/Culture of Non-Western Civ.	3.0
		SEMESTER TOTALS	17.0

Second Semester			
Gen	ENG-121	Composition II *	3.0
Ele	MAT-242	Analytical Geometry and Calculus II *	4.0
Ele	EDU-210	Diversity in Schools and Societies	3.0
Gen	--- ---	IAI Physical Science	4.0
Gen	PSY-274	Child Development	3.0
		SEMESTER TOTALS	17.0

SECOND YEAR

First Semester			Hours
Gen	COM-111	Intro to Speech Communication	3.0
Ele	MAT-255	Linear Algebra *	3.0
Ele	EDU-200	Educational Psychology	3.0
Gen	--- ---	IAI Life Science	3.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
		SEMESTER TOTALS	15.0

Second Semester			
Ele	--- ---	Transfer Elective	2.0
Ele	MAT-243	Analytical Geometry and Calculus III *	4.0
Gen	--- ---	IAI Fine Arts	3.0
Ele	MAT-245	Differential Equations *	3.0
Ele	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Charles Jarrell
Faculty Email: cjarrell@lakelandcollege.edu
Faculty Phone: 217-234-5331

PHYSICAL EDUCATION

(AA.PHYED) ASSOCIATE IN ARTS

Area of Study - Education

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Core PED-183	Introduction to Physical Education	3.0
Gen BIO-100	Bio Science I	4.0
Gen PSY-271	Introduction to Psychology	3.0
Gen HUM-150	Humanities Through the Arts or	
Gen --- ---	IAI Fine Arts	3.0
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-225	Human Anatomy and Physiology I *	4.0
Gen --- ---	IAI Mathematics *	3.0
Gen HED-178	Responding to Emergencies	2.0
Core HED-200	Principles of Health	3.0
Core PED-209	Aerobic Fitness	1.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen ENG-121	Composition II *	3.0
Gen --- ---	IAI Physical Science	3.0
Gen --- ---	IAI Humanities	3.0
Core PED-244	Kinesiology *	4.0
Core PED-285	Fitness for Life	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Humanities	3.0
Core PED-152	Theory of Motor Learning	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele --- ---	Transfer Elective	3.0
Core PED-209	Aerobic Fitness	1.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Johnson
Faculty Email: djohnson@lakelandcollege.edu
Faculty Phone: 217-234-5446

PHYSICS

(AS.PHYS) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, physics students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Ele	CHM-150	General Chemistry I *	4.0
Gen	MAT-241	Analytical Geometry and Calculus I *	5.0
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	HIS-153	History/Culture of Non-Western Civ. or	
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Ele	CHM-151	General Chemistry II *	4.0
Gen	MAT-242	Analytical Geometry and Calculus II *	4.0
Gen	ENG-121	Composition II *	3.0
Gen	PHY-140	University Physics I *	4.0
Gen	POS-160	American National Government or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
		SEMESTER TOTALS	18.0

SECOND YEAR

First Semester			Hours
Gen	PHY-141	University Physics II * FA	4.0
Gen	COM-111	Intro to Speech Communication	3.0
Gen	--- ---	IAI Life Science	4.0
Ele	--- ---	Physics/Math Elective	3.0
Gen	--- ---	IAI Fine Arts	3.0
		SEMESTER TOTALS	17.0
Second Semester			
Ele	PHY-142	University Physics III *	4.0
Ele	MAT-243	Analytical Geometry and Calculus III *	4.0
Ele	--- ---	Physics/Math Elective	3.0
Gen	ANT-200	General Anthropology or	
Gen	GEO-140	World Geography or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
		SEMESTER TOTALS	14.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	MAT-245	Differential Equations * SP	3.0
Ele	MAT-255	Linear Algebra * FA	3.0
Ele	PHY-239	Mechanics I * FA	3.0
Ele	PHY-240	Mechanics II * SP	3.0
Ele	MAT-160	Computer Science I *	3.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester

SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Rakhsha Nasseripour
Faculty Email: rnasseripour@lakelandcollege.edu
Faculty Phone: 217-234-5330

POLITICAL SCIENCE

(AA.PS) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

A major in political science aims to help students grasp the complexities of politics both in the United States and globally. This program offers a comprehensive education, preparing students for a wide range of careers in government service, law, education, journalism, business and the nonprofit sector. Additionally, the program is structured to facilitate transfer to a four-year institution for further education.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen PSY-271	Introduction to Psychology	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core POS-160	American National Government	3.0
Core HIS-155	History of the U.S. I	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen SOC-280	Introduction to Sociology	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core POS-162	State/Local Govern	3.0
Ele --- ---	Transfer Elective	5.0
	SEMESTER TOTALS	17.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen ESC-102	Weather and Climate or	
Gen --- ---	IAI Physical Science	4.0
Gen --- ---	IAI Fine Arts	3.0
Gen SOC-286	Racial and Ethnic Groups	3.0
Gen HIS-252	West Civil/1660-Present	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen HIS-156	History of the U.S. II	3.0
Gen SOC-282	Social Problems or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen BIO-130	Environmental Science or	
Gen --- ---	IAI Life Science	4.0
Core POS-264	Intro/Interntnl Rel	3.0
Ele INS-299	Independent Study or	
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Charles Jarrell
Faculty Email: cjarrell@lakelandcollege.edu
Faculty Phone: 217-234-5331

PRE-CHIROPRACTIC

(AS.PCHI) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, pre-chiropractic students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	CHM-150	General Chemistry I *	4.0
Gen	BIO-100	Bio Science I	4.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics *	3.0
Gen	COM-111	Intro to Speech Communication	3.0
		SEMESTER TOTALS	17.0
Second Semester			
Gen	ENG-121	Composition II *	3.0
Ele	CHM-151	General Chemistry II *	4.0
Ele	PED-244	Kinesiology *	4.0
Gen	BIO-225	Human Anatomy and Physiology I *	4.0
Gen	PHI-280	Ethics or	
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	18.0

SECOND YEAR

First Semester			Hours
Ele	BIO-226	Human Anatomy and Physiology II *	4.0
Ele	PHY-130	College Physics I * FA or	
Ele	--- ---	Elective	5.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Ele	--- ---	IAI Mathematics *	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Ele	MAT-211	Math Analysis *	4.0
Ele	PHY-131	College Physics II * SP	4.0
Gen	PSY-271	Introduction to Psychology	3.0
Gen	--- ---	IAI Fine Arts	3.0
		SEMESTER TOTALS	14.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	BIO-116	General Zoology *	4.0
Ele	CHM-243	Organic Chemistry I * FA	4.0
Ele	CHM-253	Organic Chemistry Lab I * FA	1.0
Ele	CHM-244	Organic Chemistry II * SP	4.0
Ele	CHM-254	Organic Chemistry Lab II * SP	1.0
Ele	AHE-041	Medical Terminology	3.0
Ele	HED-102	Nutrition	3.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Marc Dal Ponte
Faculty Email: mdalpont@lakelandcollege.edu
Faculty Phone: 217-234-5238

PRE-DENTAL

(AS.PDEN) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, pre-dental students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen --- ---	IAI Mathematics *	5.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen BIO-116	General Zoology *	4.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Ele CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Ele PHY-130	College Physics I *	4.0
Ele CHM-243	Organic Chemistry I * FA	4.0
Ele CHM-253	Organic Chemistry Lab I * FA	1.0
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen PSY-271	Introduction to Psychology	3.0
Ele BIO-111	General Botany *	4.0
Gen --- ---	IAI Fine Arts	3.0
Gen PHI-280	Ethics or	
Gen --- ---	IAI Humanities	3.0
Ele PHY-131	College Physics II * SP	4.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES		
Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Marc Dal Ponte
Faculty Email: mdalpont@lakelandcollege.edu
Faculty Phone: 217-234-5238

PRE-ENGINEERING

(AS.PENG) ASSOCIATE IN SCIENCE
Area of Study - Math & Science

This degree is designed for students who do not plan to transfer to the University of Illinois. Students who are planning to transfer to the U of I should see the Engineering Science (AES.ENGR) degree program.

Upon completion of this course sequence, pre-engineering students will receive an associate in science degree. The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Ele	CHM-150	General Chemistry I *	4.0
Gen	MAT-241	Analytical Geometry and Calculus I *	5.0
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	ECO-231	Principles of Economics I (Macro)	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Gen	MAT-242	Analytical Geometry and Calculus II *	4.0
Gen	ENG-121	Composition II *	3.0
Gen	PHY-140	University Physics I * SP	4.0
Ele	MAT-160	Computer Science I *	3.0
Gen	--- ---	IAI Humanities	3.0
		SEMESTER TOTALS	17.0

SECOND YEAR

First Semester			Hours
Gen	PHY-141	University Physics II * FA	4.0
Gen	COM-111	Intro to Speech Communication	3.0
Ele	MAT-243	Analytical Geometry and Calculus III *	4.0
Gen	--- ---	IAI Life Science	3.0
Ele	PHY-239	Mechanics I * FA	3.0
		SEMESTER TOTALS	17.0
Second Semester			
Ele	MAT-245	Differential Equations * SP	3.0
Ele	PHY-240	Mechanics II * SP	3.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	--- ---	IAI Fine Arts	3.0
Ele	--- ---	Transfer Elective	3.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	TEC-103	Engineering Graphics	3.0
Ele	PHY-245	Solid Mechanics SP	3.0
Ele	CHM-151	General Chemistry II *	4.0
Ele	PHY-142	University Physics III * SP	4.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Rakhsha Nasseripour
Faculty Email: rnasseripour@lakelandcollege.edu
Faculty Phone: 217-234-5330

PRE-MEDICINE

(AS.PMED) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, pre-medicine students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

The associate in science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen MAT-1--	IAI Mathematics *	5.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-116	General Zoology *	4.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
Ele CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Ele PHY-130	College Physics I * FA	4.0
Ele CHM-243	Organic Chemistry I * FA	4.0
Ele CHM-253	Organic Chemistry Lab I * FA	1.0
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen PSY-271	Introduction to Psychology	3.0
Gen --- ---	IAI Fine Arts	3.0
Ele BIO-111	General Botany *	4.0
Gen PHI-280	Ethics or	
Gen --- ---	IAI Humanities	3.0
Ele PHY-131	College Physics II * SP	4.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES		
Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Capitosti
Faculty Email: gcapitos@lakelandcollege.edu
Faculty Phone: 217-234-5320

PRE-NURSING: BSN TRANSFER

(AA.PNUR) ASSOCIATE IN ARTS

Area of Study - Math & Science

The following courses are recommended for Pre-Nursing. This major prepares students to transfer directly to an institution offering a Bachelor's of Science in Nursing (BSN). Thus, this major differs from the AAS.ADN or CRT.PN majors. Students who plan to first complete the nursing program at Lake Land College and are seeking admission to the Lake Land College Associate Degree in Nursing (RN) or Certificate in Practical Nursing (PN) should refer to the AAS.ADN or CRT.PN sections of the catalog.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen PSY-279	Human Dev/Life Span	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen CHM-120	General, Organic and Biochemistry I	4.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-225	Human Anatomy and Physiology I *	4.0
Ele CHM-121	General, Organic and Biochemistry II *	5.0
Ele HED-102	Nutrition	3.0
Gen PSY-271	Introduction to Psychology	3.0
	SEMESTER TOTALS	18.0

SECOND YEAR

First Semester		Hours
Ele BIO-226	Human Anatomy and Physiology II *	4.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Gen PHI-290	Intro to Logic or	
Gen --- ---	IAI Humanities	3.0
Gen SOC-280	Introduction to Sociology or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Ele BIO-235	Microbiology *	4.0
Gen --- ---	IAI Fine Arts	3.0
Gen PHI-280	Ethics	3.0
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele AHE-041	Medical Terminology	3.0
Ele HIS-153	History/Culture of Non-Western Civ.	3.0
Ele POS-160	American National Government	3.0
Ele CIS-160	Practical Software Applications	3.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Suzett Doty
Faculty Email: sdoty@lakelandcollege.edu
Faculty Phone: 217-234-5245

PRE-PHARMACY

(AS.PPHM) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, pre-pharmacy students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen PHI ---	PHI Elective	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele BIO-111	General Botany *	4.0
Ele CHM-151	General Chemistry II *	4.0
Gen PSY-271	Introduction to Psychology or	
Gen SOC-280	Introduction to Sociology	3.0
Gen MAT-241	Analytical Geometry and Calculus I *	5.0
	SEMESTER TOTALS	19.0

SECOND YEAR

First Semester		Hours
Ele BIO-225	Human Anatomy and Physiology I *	4.0
Ele BIO-116	General Zoology *	4.0
Ele PHY-130	College Physics I * FA	4.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Ele BIO-226	Human Anatomy and Physiology II *	4.0
Ele --- ---	Transfer Elective	3.0
Gen --- ---	IAI Fine Arts	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele BIO-235	Microbiology *	4.0
Ele CHM-243	Organic Chemistry I * FA	4.0
Ele CHM-253	Organic Chemistry Lab I * FA	1.0
Ele CHM-244	Organic Chemistry II * SP	4.0
Ele CHM-254	Organic Chemistry Lab II * SP	1.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Capitosti
Faculty Email: gcapitos@lakelandcollege.edu
Faculty Phone: 217-234-5320

PRE-PHYSICAL THERAPY

(AS.PPTH) ASSOCIATE IN SCIENCE

Area of Study - Math & Science

Upon completion of this course sequence, pre-physical therapy students will receive an associate in science degree. Additional credit hours may be required for successful transfer depending upon transfer institution of choice. Please speak to your advisor for guidance.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen CHM-150	General Chemistry I *	4.0
Gen BIO-100	Bio Science I	4.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Ele CHM-151	General Chemistry II *	4.0
Ele PED-244	Kinesiology * or	
Ele --- ---	Transfer Elective	3.0
Gen BIO-225	Human Anatomy and Physiology I *	4.0
Gen --- ---	IAI Humanities	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Ele BIO-226	Human Anatomy and Physiology II *	4.0
Ele PHY-130	College Physics I * FA	4.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen MAT-1--	IAI Mathematics *	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Ele --- ---	Transfer Elective	6.0
Ele PHY-131	College Physics II * SP	4.0
Gen PSY-271	Introduction to Psychology	3.0
Gen --- ---	IAI Fine Arts	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele BIO-116	General Zoology *	4.0
Ele HED-178	Responding to Emergencies	2.0
Ele AHE-041	Medical Terminology	3.0
Ele MAT-129	College Algebra Pathway *	5.0
Ele MAT-130	College Algebra *	4.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Marc Dal Ponte
Faculty Email: mdalpont@lakelandcollege.edu
Faculty Phone: 217-234-5238

PRE-VETERINARY MEDICINE AA

(AA.PVET) ASSOCIATE IN ARTS

Area of Study - Agriculture

The Pre-Veterinary Medicine major is designed for those students who are planning to transfer to a university such as the University of Illinois to earn a Bachelor of Science degree in Animal Science with a Pre-Veterinary Medicine concentration or seek early admission to a College of Veterinary Medicine. This major can also be used to meet requirements for the Pre-Veterinary Medicine concentration at Eastern Illinois University.

The Associate in Arts degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

Note: It is recommended that students of this major enroll in General Chemistry during the first semester of the first year if all pre-requisites are met. This would allow for entry into the Organic Chemistry courses during the second year if accepted by the transfer university.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Gen	BIO-100	Bio Science I	4.0
Gen	MAT-129	College Algebra Pathway * or	
Gen	MAT-130	College Algebra *	4.0
Core	AGR-206	Introduction to Animal Science	4.0
		SEMESTER TOTALS	15.0
Second Semester			
Gen	ENG-121	Composition II *	3.0
Gen	MAT-241	Analytical Geometry and Calculus I * or	
Gen	MAT-211	Math Analysis *	4.0
Ele	--- ---	Elective	3.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	--- ---	IAI Humanities/Fine Arts	3.0
		SEMESTER TOTALS	16.0

SECOND YEAR

First Semester			Hours
Gen	COM-111	Intro to Speech Communication	3.0
Gen	CHM-150	General Chemistry I *	4.0
Gen	AGR-207	Intro/Ag Economics	4.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	ART-250	Understanding Art	3.0
		SEMESTER TOTALS	17.0
Second Semester			
Ele	CHM-151	General Chemistry II *	4.0
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	--- ---	IAI Humanities/Fine Arts	3.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics *	3.0
Ele	--- ---	Elective	3.0
		SEMESTER TOTALS	16.0
		TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele	AGR-064	Beef/Dairy Production Skills	1.5
Ele	AGR-065	AI Management-Cattle	1.5
Ele	AGR-071	Swine Reproduction and A.I.	1.0
Ele	BIO-116	General Zoology *	4.0
Ele	BIO-235	Microbiology *	4.0
Ele	CHM-243	Organic Chemistry I *	4.0
Ele	CHM-244	Organic Chemistry II *	4.0
Ele	CHM-253	Organic Chemistry Lab I *	1.0
Ele	CHM-254	Organic Chemistry Lab II *	1.0
Ele	MAT-132	Trigonometry *	3.0
Ele	PHY-130	College Physics I *	4.0
Ele	PHY-131	College Physics II *	4.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Ryan Wildman
Faculty Email: rwildman@lakelandcollege.edu
Faculty Phone: 217-234-5226

PRE-VETERINARY MEDICINE AS

(AS.PVET) ASSOCIATE IN SCIENCE
Area of Study - Agriculture

The Pre-Veterinary Medicine major is designed for students who plan to transfer to a university, such as the University of Illinois, to earn a Bachelor of Science degree in Animal Science with a Pre-Veterinary Medicine concentration or seek early admission to a College of Veterinary Medicine. This major can also be used to meet requirements for the Pre-Veterinary Medicine concentration at Eastern Illinois University.

The Associate in Science degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

Pre-Veterinary Medicine Majors begin in the Associate in Arts Degree (AA) and, through advisement, the student may transition to the Associate in Science Pre-Veterinary Medicine (AS.PVET) major if it is desirable for transfer to specific university programs.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

Note: It is recommended that students of this major enroll in General Chemistry (CHM 150) during the first semester of the first year if all prerequisites are met. This would allow for entry into the Organic Chemistry courses during the second year if accepted by the transfer university.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Gen MAT-132	Trigonometry *	3.0
CoreAGR-206	Introduction to Animal Science	4.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-241	Analytical Geometry and Calculus I * or	
Gen MAT-211	Math Analysis *	4.0
Ele --- ---	Elective	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen --- ---	IAI Humanities/Fine Arts	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen CHM-150	General Chemistry I *	4.0
CoreAGR-207	Intro/Ag Economics	4.0
Ele --- ---	Elective	3.0
Gen ART-250	Understanding Art	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen CHM-151	General Chemistry II *	4.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Ele --- ---	Elective	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	64.0

SUGGESTED ELECTIVES

Ele AGR-064	Beef/Dairy Production Skills	1.5
Ele AGR-065	AI Management-Cattle	1.5
Ele AGR-071	Swine Reproduction and A.I.	1.0
Ele CHM-243	Organic Chemistry I *	4.0
Ele CHM-244	Organic Chemistry II *	4.0
Ele CHM-253	Organic Chemistry Lab I *	1.0
Ele CHM-254	Organic Chemistry Lab II *	1.0
Ele HIS-153	History of Non-Western Civ.	3.0
Ele PHY-130	College Physics I *	4.0
Ele PHY-131	College Physics II *	4.0
Ele PSY-271	Introduction to Psychology	3.0
Ele BIO-116	General Zoology *	4.0
Ele BIO-235	Microbiology *	4.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Ryan Wildman
Faculty Email: rwildman@lakelandcollege.edu
Faculty Phone: 217-234-5226

PSYCHOLOGY

(AA.PSY) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

Psychology is a transfer program within the Social Science/Education Division. This program focuses on the scientific study of human behavior and mental processes, including how individuals think, feel and act across a variety of contexts. Students in this program examine psychological theories, research methods and empirical findings to better understand behavior at the individual and group level. The program provides a foundation for continued study in psychology and related fields by emphasizing scientific reasoning, research literacy and the application of psychological principles to real-world settings.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester			Hours
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Ele	COM-200	Interpersonal Communication	3.0
Gen	--- ---	IAI Physical Science	3.0
Gen	PHI-280	Ethics or	
Gen	PHI-290	Intro to Logic or	
Gen	--- ---	IAI Humanities	3.0
Core	PSY-271	Introduction to Psychology	3.0
		SEMESTER TOTALS	15.0
Second Semester			
Gen	ENG-121	Composition II *	3.0
Gen	MAT-124	Statistics Pathway * or	
Gen	MAT-125	Statistics * or	
Gen	MAT-115	General Education Pathway * or	
Gen	MAT-116	General Education Math *	3.0
Gen	--- ---	IAI Life Science	4.0
Gen	--- ---	IAI Humanities	3.0
Core	--- ---	PSY Elective	3.0
		SEMESTER TOTALS	16.0

SECOND YEAR

First Semester			Hours
Gen	--- ---	IAI Social/Behavioral Science	6.0
Gen	SOC-280	Introduction to Sociology or	
Gen	--- ---	IAI Social/Behavioral Science	3.0
Gen	--- ---	IAI Fine Arts	3.0
Core	--- ---	PSY Elective	3.0
Ele	--- ---	Transfer Elective	3.0
		SEMESTER TOTALS	18.0
Second Semester			
Ele	COM-111	Intro to Speech Communication	3.0
Ele	--- ---	PSY Elective or	
Ele	--- ---	Transfer Elective	3.0
Ele	--- ---	Transfer Elective	9.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Andrew Gaines
Faculty Email: againes@lakelandcollege.edu
Faculty Phone: 217-234-5442

SECONDARY EDUCATION-BIOLOGY

(AS.SCED.BIO) ASSOCIATE IN SCIENCE

Area of Study - Education

Science Education prepares the student to transfer to a senior institution with a major in science education in secondary education.

The associate in arts degree requires the completion of 64 credit hours. The sample course sequence below includes the required 64 credit hours plus additional courses recommended for this major.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I	4.0
Gen CHM-150	General Chemistry I *	4.0
Gen PSY-274	Child Development	3.0
Ele EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	17.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen ESC-102	Weather and Climate	4.0
Gen CHM-151	General Chemistry II *	4.0
Ele BIO-225	Human Anatomy and Physiology I *	4.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Ele EDU-200	Educational Psychology	3.0
Ele ESC-100	Physical Geology	4.0
Gen BIO-226	Human Anatomy and Physiology II *	4.0
	SEMESTER TOTALS	17.0
Second Semester		
Ele HIS-153	History/Culture of Non-Western Civ.	3.0
Ele EDU-210	Diversity in Schools and Societies	3.0
Gen --- ---	IAI Fine Arts	3.0
Gen POS-160	American National Government	3.0
Ele MAT-115	General Education Pathway * or	
Ele MAT-116	General Education Math *	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Charles Jarrell
Faculty Email: cjarrell@lakelandcollege.edu
Faculty Phone: 217-234-5331

SECONDARY EDUCATION-CHEMISTRY

(AS.SCED.CHM) ASSOCIATE IN SCIENCE

Area of Study - Education

Science Education prepares the student to transfer to a senior institution with a major in science education in secondary education with a specialization in Chemistry.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core MAT-241	Analytical Geometry and Calculus I *	5.0
Core CHM-150	General Chemistry I *	4.0
Gen PSY-274	Child Development	3.0
Core EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Core MAT-242	Analytical Geometry and Calculus II *	4.0
Core CHM-151	General Chemistry II *	4.0
Core PHY-140	University Physics I * SP	4.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Core MAT-243	Analytical Geometry and Calculus III *	4.0
Core EDU-200	Educational Psychology *	3.0
Core PHY-141	University Physics II *	4.0
Gen BIO-100	Bio Science I or	
Gen --- ---	IAI Life Science	4.0
	SEMESTER TOTALS	18.0
Second Semester		
Core --- ---	Transfer Elective	1.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen --- ---	IAI Fine Arts	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Charles Jarrell
Faculty Email: cjarrell@lakelandcollege.edu
Faculty Phone: 217-234-5331

SECONDARY EDUCATION-PHYSICS

(AS.SCED.PHY) ASSOCIATE IN SCIENCE

Area of Study - Education

Science Education prepares the student to transfer to a senior institution with a major in science education in secondary education with an specialization in Physics.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core MAT-241	Analytical Geometry and Calculus I *	5.0
Gen BIO-100	Bio Science I or	
Gen --- ---	IAI Life Science	4.0
Gen PSY-274	Child Development	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-242	Analytical Geometry and Calculus II *	4.0
Ele EDU-100	Introduction to Education	3.0
Gen PHY-140	University Physics I *	4.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Core MAT-243	Analytical Geometry and Calculus III *	4.0
Core EDU-200	Educational Psychology	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
Core PHY-141	University Physics II *	4.0
	SEMESTER TOTALS	17.0
Second Semester		
Core EDU-190	Introduction/Special Education	3.0
Core PHY-142	University Physics III *	4.0
Gen --- ---	IAI Fine Arts	3.0
Ele --- ---	Transfer Elective	2.0
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Charles Jarrell
Faculty Email: cjarrell@lakelandcollege.edu
Faculty Phone: 217-234-5331

SOCIAL SCIENCE EDUCATION

(AA.SS) ASSOCIATE IN ARTS

Area of Study - Education

The Social Science Education program offers future students the knowledge, skills and practical experience necessary to transfer to a four-year institution to pursue a teaching license.

This program follows Math Pathway #1. Math requirements for specific majors may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Gen HIS-250	Western Civil to 1660	3.0
Gen POS-160	American National Government	3.0
Core EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen BIO-130	Environmental Science or	
Gen BIO-100	Bio Science I	4.0
Gen HIS-252	West Civil/1660-Present	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Gen PSY-274	Child Development	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Gen HIS-155	History of the U.S. I	3.0
Gen ESC-102	Weather and Climate	4.0
Gen MUS-150	Music in American History & Culture	3.0
Core POS-264	Intro/Interntnl Rel	3.0
Core EDU-200	Educational Psychology	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen HIS-156	History of the U.S. II	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Gen --- ---	IAI Social/Behavioral Science	2.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen ECO-232	Principles of Economics II (Micro)	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Matthew Greider
Faculty Email: mgreider@lakelandcollege.edu
Faculty Phone: 217-234-5290

SOCIOLOGY/SOCIAL WORK

(AA.SSW) ASSOCIATE IN ARTS

Area of Study - Humanities & Social Science

Sociology/Social work is a transfer program within the social science/education division. This program focuses on the study of human behaviors and social relationships with specific focus on how structural arrangements of society impact individuals and interpersonal relationships. Students of this program will focus on social research, theories, and explanations of human behaviors to learn ways to provide help and/or study individuals and communities.

This program follows Math Pathway #1. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen --- ---	IAI Life Science	4.0
Gen PSY-271	Introduction to Psychology	3.0
Core SOC-280	Introduction to Sociology	3.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-121	Composition II	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics *	3.0
Core SOC-290	Sociology of Family	3.0
Core SOC-288	Sociology of Sexuality & Gender	3.0
Core SOC-282	Social Problems	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	IAI Social/Behavioral Science	3.0
Gen PHI-280	Ethics or	
Gen PHI-290	Intro to Logic or	
Gen -- ---	IAI Humanities	3.0
Core SOC-286	Racial and Ethnic Groups	3.0
Core SOC-284	Sociology/Deviant Behavior	3.0
Ele --- ---	Transfer Elective	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Ele ANT-200	General Anthropology or	
Ele --- ---	IAI Social Science	3.0
Gen ART-240	Art and Gender or	
Gen --- --	IAI Fine Arts	3.0
Core PSY-277	Social Psychology	3.0
Ele --- ---	Transfer Elective	6.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	64.0

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement information.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Katie Parrish
Faculty Email: kparrish@lakelandcollege.edu
Faculty Phone: 217-234-5438

SPECIAL EDUCATION

(AA.SPED) ASSOCIATE IN ARTS
Area of Study - Education

This program is designed for students planning to pursue a special education teaching career as a Learning Behavior Specialist I, Deaf and Hard of Hearing, Low Vision and Blindness and Early Childhood Special Education.

This program follows Math Pathway #2. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core EDU-100	Introduction to Education	3.0
Gen MAT-118	Math for Elem Teachers I *	3.0
Gen HIS-155	History of the U.S. I or	
Gen HIS-156	History of the U.S. II	3.0
Gen MUS-229	Understanding Music or	
Gen ART-250	Understanding Art	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-218	Math for Elem Teachers II *	3.0
Gen PSY-274	Child Development	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
Gen BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

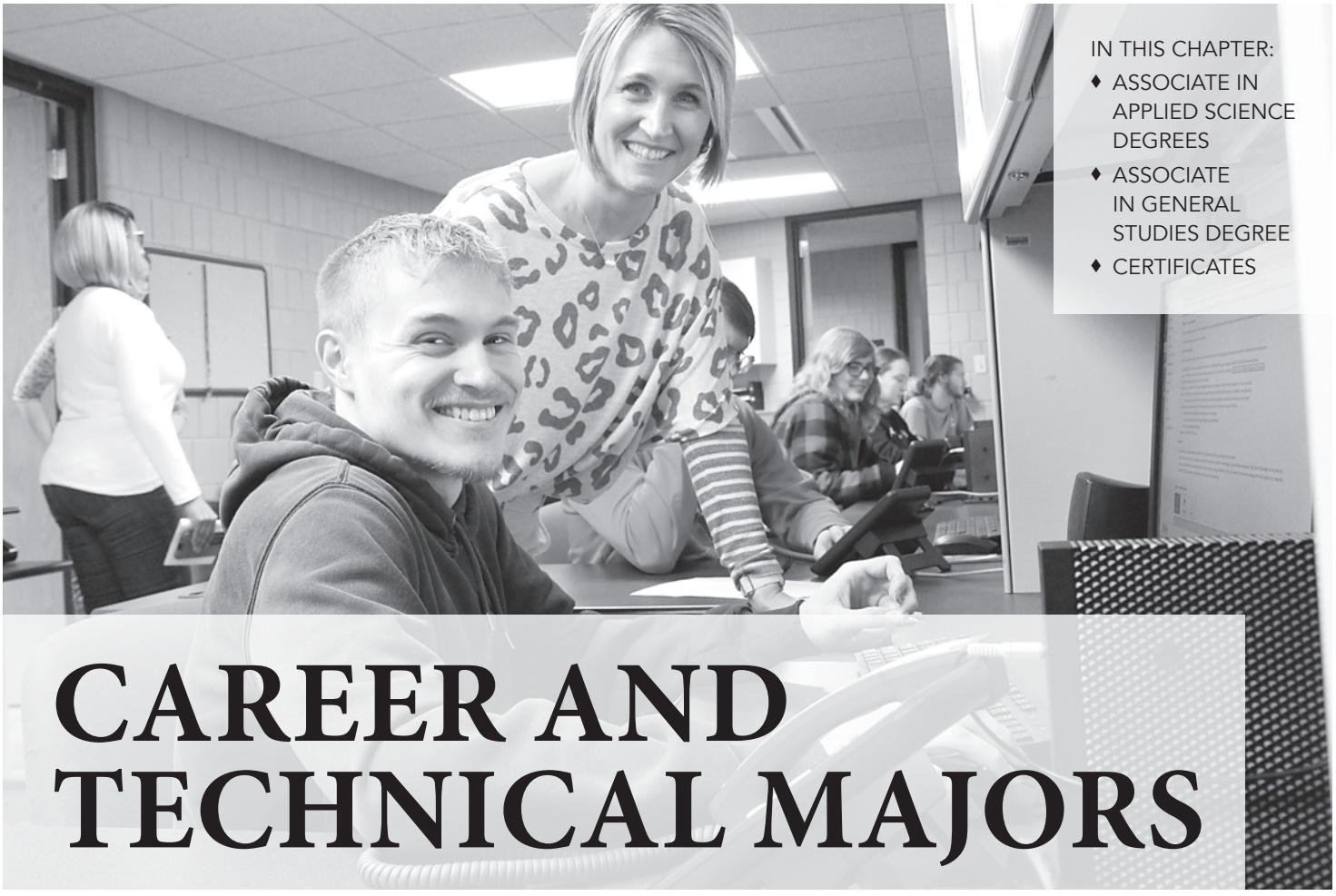
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Gen POS-160	American National Government	3.0
Gen PHY-110	Concepts of Physics or	
Gen CHM-111	Concepts of Chemistry	4.0
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core EDU-190	Introduction/Special Education	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Gen --- ---	IAI Humanities	3.0
Core EDU-200	Educational Psychology	3.0
Ele --- ---	Transfer Elective	4.0
Gen --- ---	IAI Physical Science	4.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	64.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kimberly Davis
Faculty Email: kdavis9876@lakelandcollege.edu
Faculty Phone: 217-234-5471


CHEMISTRY



IN THIS CHAPTER:

- ASSOCIATE IN APPLIED SCIENCE DEGREES
- ASSOCIATE IN GENERAL STUDIES DEGREE
- CERTIFICATES

CAREER AND TECHNICAL MAJORS

CAREER AND TECHNICAL MAJORS

Majors are designed to move students from college into a career/job in a relatively short time period.

- Associate in Applied Science degree programs are typically two-year programs however some special admission programs require several pre-requisites.
- Certificate programs are three semesters or less.
- Many Career and Technical majors provide "transfer tracks" for students, providing options to take classes that will transfer to the university toward a bachelor's degree.

GENERAL EDUCATION REQUIREMENTS

COURSE REQUIREMENTS FOR ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE

Communication	3 Semester Hours
Mathematics or Physical and Life Sciences	3 Semester Hours
Humanities and Fine Arts or Social and Behavioral Sciences	3 Semester Hours
Additional Hours These six semester hours must be taken from the following areas: Communications, Mathematics, Physical and Life Sciences, Fine Arts, Social and Behavioral Sciences, Health, Physical Education, Recreation and Strategies for Success.	6 Semester Hours
TOTAL HOURS OF GENERAL EDUCATION	**15**

CAREER AND TECHNICAL MAJORS

AGRICULTURE

For more information about the following programs call 217-234-5208.

ARCHITECTURE AND CONSTRUCTION

For more information about the following programs call 217-234-5313.

BUSINESS

For more information about the following programs call 217-234-5348.

BUSINESS MANAGEMENT

BUSINESS OFFICE PROFESSIONALS

EDUCATION

For more information about the following programs call 217-234-5331.

HEALTH AND PUBLIC SERVICES

For more information about the following programs call 217-234-5447.

HEALTH SERVICES

PUBLIC SERVICES

For more information about the following programs call 217-234-5348.

For more information about the following programs call 217-234-5331.

HUMANITIES AND SOCIAL SCIENCE

For more information about the following programs call 217-234-5271.

INFORMATION TECHNOLOGY

For more information about the following programs call 217-234-5348.

MANUFACTURING

For more information about the following programs call 217-234-5313.

TRANSPORTATION

For more information about the following programs call 217-234-5313.

For more information about the following program call 800-789-1282.

TRANSFER AGREEMENTS

Lake Land College has many articulation agreements with senior institutions that allow for a seamless transfer once a student has completed the Associate in Applied Science (AAS), Associate in Arts (AA), Associate in Science (AS) or Associate in General Studies (AGS) Degree. For a list of articulation agreements for specific degrees to specific universities and colleges, contact Counseling Services or visit lakelandcollege.edu/counseling-services/transfer-resources/.

COOPERATIVE AGREEMENTS – CAREER AGREEMENT

Lake Land College District 517 participates in the Comprehensive Agreement Regarding the Expansion of Educational Resources (CAREER). This program provides students who are interested in an applied science degree or certificate that is not offered by Lake Land College the opportunity to attend another community college in Illinois at the in-district rate in effect at the college selected. Students interested in this option should contact Admissions and Records at admissions@lakelandcollege.edu or 217-234-5434 for information regarding the college's procedures for a Career Agreement.

ACCOUNTING

(CRT.ACC) CERTIFICATE

Area of Study - Business Management

The certificate in Accounting program prepares students to provide technical administrative support to professional accountants and other financial management personnel. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in accounting.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core BUS-095	Fundamentals of Accounting	3.0
Gen BUS-094	Business Math or	
Gen MAT 1--	Math Elective *	3.0
Core BUS-142	Introduction to Business	3.0
Core CIS-160	Practical Software Applications	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core BUS-221	Financial Accounting *	3.0
Core BUS-200	Legal Environ/Business or	
Core BUS-251	Principles of Management	3.0
Gen ECO-130	The American Economy or	
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core BUS-096	Federal Tax Accounting FA or	
Core BUS-077	Payroll Accounting or	
Core BUS-098	Intermediate Accounting * or	
Core BUS-099	Computerized Accounting * or	
Core BUS-222	Managerial Accounting *	3.0
Ele --- ---	BUS or CIS Elective	3.0
	SEMESTER TOTALS	15.0
Third Semester		
Core BUS-096	Federal Tax Accounting or	
Core BUS-077	Payroll Accounting or	
Core BUS-098	Intermediate Accounting * or	
Core BUS-099	Computerized Accounting * or	
Core BUS-222	Managerial Accounting *	3.0
	SEMESTER TOTALS	3.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES		
Ele BUS-041	Employability Skills	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Rachel Young
Faculty Email: ryoung3@lakelandcollege.edu
Faculty Phone: 217-234-5258

ACCOUNTING TECHNOLOGY

(AAS.ACC) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Business Management

The Accounting Technology program provides a solid foundation in accounting skills for students who choose to enter the workforce at the end of two academic years of study. Typical job responsibilities include gathering information used for financial reports and payroll, using accounting software to maintain and update accounting records, and documenting and recording financial data such as cash receipts, expenditures, accounts receivable, and accounts payable.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BUS-095	Fundamentals of Accounting	3.0
Core BUS-142	Introduction to Business	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-094	Business Math or	
Gen MAT 1--	Math Elective *	3.0
Gen ENG-095	Business English or	
Gen ENG-119	Composition I Pathway or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-221	Financial Accounting *	3.0
Gen ECO-130	The American Economy or	
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core BUS-141	Business Communications	3.0
Core BUS-251	Principles of Management	3.0
Core BUS-200	Legal Environ/Business	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core BUS-096	Federal Tax Accounting FA	3.0
Core BUS-222	Managerial Accounting *	3.0
Core BUS-060	Automated Ofc Procedures *	3.0
Gen BUS-086	Statistics for Business FA	3.0
Core CIS-094	Excel	2.0
Ele --- ---	BUS or CIS Elective	2.0
	SEMESTER TOTALS	16.0
Second Semester		
Core BUS-099	Computerized Accounting *	3.0
Core BUS-098	Intermediate Accounting * SP	3.0
Core BUS-077	Payroll Accounting SP	3.0
Core BUS-079	Professional Development * SP	3.0
Core BUS-087	Accounting Internship * or	
Ele --- ---	BUS or CIS Elective	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	61.0

SUGGESTED ELECTIVES

Ele BUS-041	Employability Skills	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Rachel Young
Faculty Email: ryoung3@lakelandcollege.edu
Faculty Phone: 217-234-5258

ADVANCED WELDING

(CRT.AWEL) CERTIFICATE

Area of Study - Manufacturing

The advanced welding certificate develops students' competency necessary to seek higher levels of employment or continue into the associate in applied science in welding. In this certificate, students will gain more practice in skill sets with out-of-position welds, such as vertical and overhead, using techniques common to industrial maintenance, including aluminum, stainless steel, GTAW, SMAW and GMAW processes along with pipe welding.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core WLD-053	Shielded Metal Arc Welding III *	2.5
Core WLD-063	Gas Metal Arc Welding III *	3.0
Core WLD-071	GTAW/Aluminum *	3.0
Core WLD-072	GTAW/Stainless Steel *	3.0
	SEMESTER TOTALS	11.5
Second Semester		
Ele SOS-052	Workplace Communication/Safety	3.0
Core MTT-050	Intro to Machining Procedures	3.0
Core WLD-080	Pipe Welding *	3.0
Core WLD-082	Advanced Welding Projects Lab *	4.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	24.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

ADVANCED WELDING CBE

(CRT.AWEL.CBE) CERTIFICATE

Area of Study - Manufacturing

The advanced welding certificate program is offered in a competency-based education (CBE) format, developing students' skills to seek higher levels of employment or continue into the CBE associate in applied science in welding. In this certificate, students will gain more practice in skill sets with out-of-position welds, such as vertical and overhead, using techniques common to industrial maintenance, including aluminum, stainless steel, GTAW, SMAW and GMAW processes along with pipe welding.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core WLDC-053	Shielded Metal Arc Welding III *	2.5
Core WLDC-063	Gas Metal Arc Welding III *	3.0
Core WLDC-071	GTAW/Aluminum *	3.0
Core WLDC-072	GTAW/Stainless Steel *	3.0
	SEMESTER TOTALS	11.5
Second Semester		
Ele SOS-052	Workplace Communication/Safety	3.0
Core MTTC-050	Intro to Machining Procedures	3.0
Core WLDC-080	Pipe Welding *	3.0
Core WLDC-082	Advanced Welding Projects Lab *	4.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	24.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

AG BUSINESS

(CRT.AGBUS) CERTIFICATE
Area of Study - Agriculture

The Agriculture Business certificate program is designed to prepare students for employment in beginning management and sales capacities in agriculture businesses including elevators, fertilizer companies and feed companies.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Core AGR-204	Prin/Field Crop Science or	
Core AGR-052	Principles of Crop Production	3.0
Core AGR-060	Animal Husbandry	3.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
Core AGR-131	Agriculture Business Financing	2.0
Core AGR-134	Business Analysis/Records	2.0
	SEMESTER TOTALS	16.5
Second Semester		
Core AGR-049	OSHA/Ag Mach Safety	1.0
Core AGR-111	Intro to Agriculture Software	2.0
Core AGR-123	Marketing of Ag Products	2.5
Core AGR-132	Retailing/Agri Supplies	2.0
Core AGR-133	Agriculture Salesmanship	2.5
Core AGR-041	Supervised Occupational Exp I	3.5
	SEMESTER TOTALS	13.5
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES		
Ele	AGR-042 Supervised Occupational Exp II	2.5
Ele	AGR-051 Soil Fertility	2.5
Ele	AGR-053 Integrated Pest Management	3.0
Ele	AGR-063 Animal Nutrition	2.5
Ele	AGR-120 Agriculture Economics	3.0
Ele	AGR-207 Intro/Ag Economics	4.0
Ele	AGR-124 Farm Credit and Finance	2.0
Ele	AGR-151 GPS/Applications in Ag	3.0
Ele	AGR-152 Intensive Crop Scouting	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Christian Kessler
Faculty Email: ckessler6433@lakelandcollege.edu
Faculty Phone: 217-234-5327

AGRICULTURE BUSINESS & SUPPLY

(AAS.AGBUS) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Agriculture

This core curriculum is designed for those students who are planning a career in fertilizer, pest management, agri-business sales, management or ownership in these areas. While this curriculum is designed for agricultural business, it also provides transferability to Southern Illinois-Carbondale, Western Illinois and Illinois State universities.

Note: Those students that are considering transferring to a university should contact their advisor as soon as possible.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core AGR-206	Intro/Animal Science or	
Core AGR-060	Animal Husbandry	3.0
Core AGR-046	Introduction to Agricultural Occupations	1.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Gen SOS-052	Workplace Communication/Safety or	
Gen PSY-271	Introduction to Psychology or	
Gen POS-160	American National Government	3.0
ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	16.5
Second Semester		
Core AGR-049	OSHA/Ag Mach Safety	1.0
Core AGR-152	Intensive Crop Scouting or	
Core AGR-063	Animal Nutrition	2.5
Core AGR-041	Supervised Occupational Exp I	3.5
Core AGR-112	Computer Applic/Agriculture or	
Core AGR-111	Intro to Agriculture Software	2.0
Gen CHM-120	General, Organic and Biochemistry I or	
Gen CHM-101	Physical Science II	3.0
Ele --- ---	Career Elective	1.5
	SEMESTER TOTALS	13.5
Summer Term		
Core AGR-042	Supervised Occupational Exp II	2.5
Core AGR-053	Integrated Pest Management	3.0
Core AGR-207	Intro/Ag Economics or	
Core AGR-120	Agriculture Economics	3.0
	SEMESTER TOTALS	8.5

SECOND YEAR

First Semester		Hours
Core AGR-204	Prin/Field Crop Science or	
Core AGR-052	Principles of Crop Production	3.0
Core AGR-151	GPS/Applications in Ag	3.0
Core AGR-043	Supervised Occupational Experience III	3.0
Core AGR-131	Agriculture Business Financing	2.0
Core AGR-134	Business Analysis/Records	2.0
	SEMESTER TOTALS	13.0
Second Semester		
Core AGR-044	Supervised Occupational Experience IV	3.5
Core AGR-123	Marketing of Ag Products	2.5
Core AGR-132	Retailing/Agri Supplies	2.0
Core AGR-133	Agriculture Salesmanship	2.5
Gen COM-111	Intro to Speech Communication or	
Gen ENG-121	Composition II *	3.0
	SEMESTER TOTALS	13.5
	TOTAL PROGRAM HOURS	65.0

SUGGESTED ELECTIVES

Ele AGR-051	Soil Fertility	2.5
Ele AGR-065	A.I. Management-Cattle	1.5
Ele AGR-067	Livestock Merchandising I	1.5
Ele AGR-071	Swine Reproduction and A.I.	1.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Christian Kessler
Faculty Email: ckessler6433@lakelandcollege.edu
Faculty Phone: 217-234-5327

* There are prerequisites, corequisites, or minimum placement test scores for this course.

AGRICULTURE PRODUCTION & MANAGEMENT

(AAS.AGPRO) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Agriculture

This core curriculum is designed for those students who are planning a career in agricultural production, farming, ag production sales, and management or ownership in these areas. While this curriculum is designated for agricultural production, it also allows transferability to Illinois State, Southern Illinois and Western Illinois universities.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core AGR-046	Introduction to Agricultural Occupations	1.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
Core AGR-206	Intro/Animal Science or	
Core AGR-060	Animal Husbandry	3.0
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen SOS-052	Workplace Communication/Safety or	
Gen PSY-271	Introduction to Psychology or	
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	16.5
Second Semester		
Core AGR-041	Supervised Occupational Exp I	3.5
Core AGR-049	OSHA/Ag Mach Safety	1.0
Core AGR-063	Animal Nutrition	2.5
Core AGR-112	Computer Applic/Agriculture or	
Core AGR-111	Intro to Agriculture Software	2.0
Core AGR-121	Farm Business Records	2.5
Gen CHM-120	General, Organic and Biochemistry I or	
Gen CHM-101	Physical Science II	3.0
	SEMESTER TOTALS	14.5
Summer Term		
Core AGR-042	Supervised Occupational Exp II	2.5
Core AGR-053	Integrated Pest Management	3.0
Core AGR-207	Intro/Ag Economics or	
Core AGR-120	Agriculture Economics	3.0
	SEMESTER TOTALS	8.5

SECOND YEAR

First Semester		Hours
Core AGR-204	Prin/Field Crop Science or	
Core AGR-052	Principles of Crop Production	3.0
Core AGR-090	Principles of Agri Mechanics	2.5
Core AGR-043	Supervised Occupational Experience III	3.0
Core AGR-122	Farm Management	2.5
Ele --- ---	Career Elective	1.5
	SEMESTER TOTALS	12.5
Second Semester		
Core AGR-051	Soil Fertility	2.5
Core AGR-123	Marketing of Ag Products	2.5
Core AGR-124	Farm Credit and Finance	2.0
Core AGR-044	Supervised Occupational Experience IV	3.5
Gen COM-111	Intro to Speech Communication or	
Gen ENG-121	Composition II *	3.0
	SEMESTER TOTALS	13.5
	TOTAL PROGRAM HOURS	65.5

SUGGESTED ELECTIVES

Ele AGR-054	Crop Harvesting/Drying/Storage	2.5
Ele AGR-151	GPS/Applications in Ag	3.0
Ele AGR-152	Intensive Crop Scouting	3.0
Ele CDL-043	Dual Credit CDL Theory	3.5
Ele CDL-090	Careers in CDL	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Hayden Wilder
Faculty Email: hwilder@lakelandcollege.edu
Faculty Phone: 217-234-5360

APPLIED ENGINEERING TECHNOLOGY

(AAS.AET) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

Applied engineering is a fast-growing field that combines electricity, robotics, mechanical systems and computer controls to power the machines that run today's factories and smart systems. In this program, you'll learn how to build, fix and control high-tech equipment used in real-world manufacturing and automation. Classes include hands-on training in robotics, programmable logic controllers (PLCs), variable speed drives, electrical systems, fluid power and more.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen MAT-129	College Algebra Pathway * or	
Gen APT-041	Applied Mathematics I	3.0
Gen MAT-130	College Algebra * or	
Core AET-040	Electrical Systems I	1.5
Core TEC-043	Industrial Safety	1.0
Core AET-041	Pneumatic Systems I	0.5
Core APT-045	Total Productive Maintenance	0.5
Core AET-042	Mechanical Power Systems I	1.0
Core CAD-056	CAD I	2.0
Core APT-046	Motor Control Systems I *	1.0
Core APT-047	Electrical System Install I *	1.0
Core APT-048	Electrical Sensors I *	0.5
Core APT-049	Ethernet Communications I	0.5
Core CAD-062	Introduction to Solidworks *	2.0
	SEMESTER TOTALS	14.5
Second Semester		
Core PLC-051	Variable Frequency Drive Sys.	1.0
Core APT-052	Motor Ctrl Troubleshooting I *	1.0
Core EET-086	Prog Logic Controllers I *	2.0
Core APT-053	Robot System Operations I	1.0
Core TEC-040	Print Reading for Industry	2.0
Core APT-054	Hydraulic Systems I	1.5
Core EET-087	Prog Logic Controllers II *	2.0
Core APT-055	Smart Sensor and ID Systems I	1.0
Core APT-056	Smart Factory Systems I *	1.0
Core APT-057	Robot Systems Integration I	1.0
Core APT-061	Hydraulic Maintenance I	1.5
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core APT-058	Mechanical Power Systems II *	0.5
Core APT-059	Laser Shaft Alignment *	0.5
Core APT-060	Electric Motor Troubleshooting *	1.5
Core EET-081	Physical Computing	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core APT-062	Pneumatic Troubleshooting I *	1.0
Core APT-063	Industrial Electronic Sys I *	1.0
Core APT-064	Variable Frequency Dr II *	1.0
	SEMESTER TOTALS	14.5
Second Semester		
Gen APT-042	Applied Mathematics II *	2.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core APT-065	Industrial Electronic Sys II *	0.5
Core EET-075	HMI-Human Machine Interface	2.0
Core APT-066	Ethernet Communications II *	0.5
Gen APT-043	Applied Mathematics III *	2.0
Core APT-067	Electronics Systems Install I	1.0
Core APT-068	Data Analytics I	0.5
Core APT-069	Robot Systems Integration II *	1.0
Core APT-070	Smart Factory Systems II *	1.0
Core EET-084	AI and Robotics	1.0
Gen EET-085	STEM Projects *	2.0
	SEMESTER TOTALS	16.5
	TOTAL PROGRAM HOURS	60.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

APPLIED ENGINEERING TECHNOLOGY CBE

(AAS.AET.CBE) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

Applied engineering is a fast-growing field that combines electricity, robotics, mechanical systems and computer controls to power the machines that run today's factories and smart systems. In this program, you'll learn how to build, fix and control the high-tech equipment used in real-world manufacturing and automation. Classes include hands-on training in robotics, programmable logic controllers (PLCs), variable speed drives, electrical systems, fluid power, mechanical systems and more. With this competency-based education (CBE) approach and open labs, you can complete your applied engineering technology degree in a shorter time frame with more flexibility regarding when you attend classes. Plus, it is easier than ever to earn credit for prior learning.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * or	
Gen APT-041	Applied Mathematics I	3.0
Core AETC-040	Electrical Systems I	1.5
Core TECC-043	Industrial Safety	1.0
Core AETC-041	Pneumatic Systems I	0.5
Core APTC-045	Total Productive Maintenance	0.5
Core AETC-042	Mechanical Power Systems I	1.0
Core CADC-056	Computer Aided Drafting I	2.0
Core APTC-046	Motor Control Systems I *	1.0
Core APTC-047	Electrical System Install I *	1.0
Core APTC-048	Electrical Sensors I	0.5
Core APTC-049	Ethernet Communications I	0.5
Ele --- ---	Elective	2.0
	SEMESTER TOTALS	14.5

Second Semester		
Core PLCC-051	Variable Frequency Drives	1.0
Core APTC-052	Motor Ctrl Troubleshooting I *	1.0
Core PLCC-056	PLC Systems I *	2.0
Core APTC-053	Robot System Operations I	1.0
Core TECC-040	Print Reading for Industry	2.0
Core APTC-054	Hydraulic Systems I	1.5
Core PLCC-057	PLC Systems II *	2.0
Core APTC-055	Smart Sensor and ID Systems I	1.0
Core APTC-056	Smart Factory Systems I *	1.0
Core APTC-057	Robot Systems Integration I *	1.0
Core APTC-061	Hydraulic Maintenance I	1.5
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core APTC-058	Mechanical Power Systems II *	0.5
Core APTC-059	Laser Shaft Alignment *	0.5
Core APTC-060	Electric Motor Troubleshooting *	1.5
Core EETC-081	Physical Computing I	1.0
Core EETC-082	Physical Computing II	1.0
Gen COM-111	Intro to Speech Communication	3.0
Core APTC-062	Pneumatic Troubleshooting I *	1.0
Core APTC-063	Industrial Electronic Sys I *	1.0
Core APTC-064	Variable Frequency Dr II *	1.0
Core EETC-083	Physical Computing III	1.0
	SEMESTER TOTALS	14.5

Second Semester		
Gen APT-042	Applied Mathematics II	2.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core APTC-065	Industrial Electronic Sys II *	0.5
Core PLCC-075	HMI - Human Machine Interface	2.0
Core APTC-066	Ethernet Communications II *	0.5
Gen APT-043	Applied Mathematics III	2.0
Core APTC-067	Electronics Systems Install I	1.0
Core APTC-068	Data Analytics I	0.5
Core APTC-069	Robot Systems Integration II *	1.0
Core APTC-070	Smart Factory Systems II *	1.0
Core EETC-084	AI and Robotics	1.0
Core EETC-085	STEM Projects	2.0
	SEMESTER TOTALS	16.5
	TOTAL PROGRAM HOURS	60.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

ASSOCIATE DEGREE NURSE - TRACK

(AAS.ADN.TRK) ASSOCIATE IN LIBERAL STUDIES
Area of Study - Health Services

The Associate Degree Nursing Track (AAS.ADN.TRK) prepares the student for acceptance into the Lake Land College Associate Degree Nursing (ADN) program. Program graduates are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Upon successful completion of the NCLEX-RN, the graduate may apply for RN licensure. Completion of the ADN program does not guarantee RN licensure.

State regulations require that qualified in-district residents will be accepted before consideration is given to out-of-district applicants.

Application Process/Admission Criteria

The ADN program is a competitive, special admission program which uses an objective formula to rank applicants. Applicants seeking admission into the Associate Degree Nursing Program for Fall semester must have a completed application on file in the nursing department prior to the admission deadline of February 1st. The program will notify applicants within two weeks of the admission deadline of tentative acceptance/denial.

In order to have a completed application on file, students must do the following:

1. Complete an Application to the College selecting AAS.ADN.TRK as course of study. (Note: College acceptance does not guarantee admission into the program.)
2. Submit official transcripts from any other colleges attended to Admissions & Records. Request a transcript evaluation for AAS.ADN.
3. Complete the online Nursing Program Admission Application at https://www.lakelandcollege.edu/nursing-program-intent/. Within 4 weeks of receipt of application, the student will receive email instructions to register for the HESI A2 Admissions Assessment exam.
4. Achieve a score of 75 or above on the HESI A2 Admissions Assessment exam. To ensure a completed application, applicants should take the exam the Fall semester prior to the February 1st application deadline.
5. Complete a pre-requisite course (BIO 100 or BIO 225) with a grade of ""C" or better.
6. For more information, review the ADN Application Checklist at https://www.lakelandcollege.edu/wp-content/laker-documents/a s/as/academicprograms/catalog/ADNChecklist.pdf.

Licensed Practical Nurses can apply to enter the Associate Degree Nursing program in the second year. Applicants must complete the application process and submit a current Illinois Practical Nursing License. See LPN to ADN Application Checklist at https://www.lakelandcollege.edu/wp-content/laker-documents/a s/as/academicprograms/ catalog/LPN-RNChecklist.pdf for details.

Co-requisite courses are required for program completion. These courses may be taken prior to acceptance but must be taken as outlined in current model. Grades for these courses are included in the admissions formula. Students must achieve a grade of "C" or better in all co-requisite courses, which include:

1. PSY 279 Human Dev/Life Span
2. BIO 225 Human Ana/Phys I *
3. BIO 226 Human Ana/Phys II *+
4. BIO 235 Microbiology* or HED 290 Disease Processes*
5. ENG 119 Composition I Pathway * or ENG 120 Composition I *
6. ENG 121 Composition II* or COM 111 Intro to Speech

Students cannot register for nursing program courses until final acceptance in the program.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

* There are prerequisites, course requisites, or minimum placement test scores for this course.

+BIO 226, Human Ana/Phys II must be completed within 5 years of application deadline. Transfer courses must include human cadavers. BIO 061 Health Assessment is a 1 credit- hour course offered in fall and summer semesters for students whose A&P II course is over 5 years old, or if a transfer course did not include human cadavers.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Cassandra Porter
Faculty Email: cporter@lakelandcollege.edu
Faculty Phone: 217-234-5452

ASSOCIATE DEGREE NURSE

(AAS.ADN) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Health Services

The Associate Degree Nursing (ADN) program is an intensive, two-year academic program that includes classroom, skills laboratory, and clinical experience in various healthcare agencies. Program graduates are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Upon successful completion of the NCLEX-RN, the graduate may apply for RN licensure. Completion of the ADN program does not guarantee RN licensure.

The program is approved by the Illinois Department of Financial and Professional Regulation. State regulations require that qualified in-district residents will be accepted before consideration is given to out-of-district applicants.

The associate nursing program at Lake Land College at the Mattoon campus located in Mattoon, Illinois and the Effingham Technology Center located in Effingham, Illinois is accredited by the: Accreditation Commission for Education in Nursing (ACEN) 3390 Peachtree Road NE, Suite 1400, Atlanta, GA 30326, Phone: (404) 975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the associate nursing program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at http://www.acenursing.us/accreditedprograms /programSearch.htm

The ADN program is a competitive, special admission program which uses an objective formula to rank applicants. Applicants seeking admission into the Associate Degree Nursing Program for Fall semester must have a completed application on file in the nursing department prior to the admission deadline of February 1st. Applicants are notified via Lake Land email of tentative acceptance/denial within two weeks of the admission deadline.

To review the Application Process and Admission Criteria refer to the Associate Degree Nurse Track page.

Acceptance

Final acceptance is tentative upon receipt of the following:

1. Completed Physical.

2. Proof of immunizations.

3. Current CPR certification (Note: CPR and immunizations must remain current throughout program).

4. A background check.

5. A negative drug screen is required prior to the start of clinical experiences.

Once admitted to the program, the student must progress through the nursing courses in the following curriculum model. A "C" grade is required in all ADN curriculum courses for progression/completion. Co-requisite courses may be taken prior to nursing courses but must be taken as outlined in the curriculum model. Grades on all co-requisite courses are included in the admissions formula.

Cost

In addition to tuition and fees, costs include text books and software products, uniforms, supplies, physical examination and immunizations, CPR certification, background check, drug screen, and transportation to clinical experiences.

Additional expenses upon completion of the program include NCLEX-RN test fees and licensure application fees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

ADDITIONAL INFORMATION ON NEXT PAGE

FIRST YEAR

First Semester		Hours
Gen PSY-279	Human Dev/Life Span	3.0
Gen BIO-225	Human Anatomy and Physiology I *	4.0
Core ADN-040	Nursing I * FA	10.0
	SEMESTER TOTALS	17.0
Second Semester		
Core ADN-042	Nursing II * SP	10.0
Gen BIO-226	Human Anatomy and Physiology II *	4.0
Core ADN-053	Pharmacology I * SP	2.0
	SEMESTER TOTALS	16.0
Summer Term		
Gen BIO-235	Microbiology * or	
Gen HED-290	Disease Processes *	3.0
	SEMESTER TOTALS	3.0

SECOND YEAR

First Semester		Hours
Core ADN-076	Nursing III *	10.0
Core ADN-074	Pharmacology II *	2.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core ADN-078	Nursing IV *	10.0
Core ADN-075	Pharmacology III *	2.0
Gen ENG-121	Composition II * or	
Gen COM-111	Intro to Speech Communication	3.0
Core ADN-060	Nursing Seminar *	1.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	67.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Cassandra Porter
Faculty Email: cporter@lakelandcollege.edu
Faculty Phone: 217-234-5452

ASSOCIATE IN GENERAL STUDIES

(AGS.GEN) ASSOCIATE IN GENERAL STUDIES
Area of Study - Humanities & Social Science

The Associate in General Studies (AGS) degree offers a flexible degree designed for students whose educational goals are best served by an individualized plan of study. The AGS is particularly well suited for adult learners and students with documented prior learning, including work experience, industry training, military service and other forms of experiential learning. The AGS allows students to explore multiple disciplines (transfer or career-technical courses), develop new skills or possibly transfer to a four-year university.

Students will work with the AGS counselor and faculty to develop an individualized plan for meeting the requirements of the degree. The plan will incorporate general education, career-technical coursework, elective study and approved prior learning assessment (PLA) credit where appropriate. The college awards PLA credit in accordance with college policy and faculty review based on demonstrated college-level learning. PLA credit can be captured through portfolio development, life experience credit evaluation, proficiency assessment or independent study. It is not awarded based on experience alone and does not replace required competencies or academic standards. To earn the degree and to meet graduation requirements, students must complete a minimum of 15 credit hours at Lake Land College.

The AGS is not designed to meet Illinois Articulation Initiative (IAI) requirements, and transferability of coursework or PLA credit is determined by the receiving institution. Students who are considering transferring to a four-year institution are encouraged to consult with an advisor prior to selecting the AGS.

Students pursuing the AGS should work closely with their AGS counselor, faculty or division chair to develop and approve an individualized degree plan. Contact the AGS counselor for additional information.

Degree Requirements

GENERAL EDUCATION COURSEWORK HOURS	ELECTIVES HOURS
•Communication 6	Choose from the following options for the remaining credits needed:
•Social/Behavioral Science 3	•Baccalaureate or career-technical coursework up to 39
•Mathematics 3	•INS 099 Portfolio Development 2
•Physical/Life Science 3-4	•Experiential Credit up to 30
•Humanities/Fine Arts 3	•Proficiency Credit up to 30
•Additional class from any area above 3	•Independent Study up to 16
GENERAL EDUCATION TOTAL 21	ELECTIVES TOTAL 39

Total Required for Degree 60

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jennifer Melton
Faculty Email: jmelton52502@lakelandcollege.edu
Faculty Phone: 217-234-5251

AUTOMATION SPECIALIST I

(CRT.AS1) CERTIFICATE

Area of Study - Manufacturing

Introduction to theory and operation of electrical, mechanical and digital control systems. This certificate leads to mechanic-level skills for entry-level employment or apprenticeship training in the maintenance and repair of automated systems used in manufacturing and industrial settings. Coursework covers basic electrical, hydraulic, mechanical and automation knowledge and skills. This certificate is stackable with Automation Systems Specialist II and is part of the Applied Engineering Technology (AAS) curriculum. Completers also can be awarded Smart Automation Certification Alliance (SACA) certification Level II.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core AET-040	Electrical Systems I	1.5
Core TEC-043	Industrial Safety	1.0
Core AET-041	Pneumatic Systems I	0.5
Core APT-045	Total Productive Maintenance	0.5
Core AET-042	Mechanical Power Systems I	1.0
Core CAD-056	CAD I	2.0
Core APT-046	Motor Control Systems I *	1.0
Core APT-047	Electrical System Install I *	1.0
Core APT-048	Electrical Sensors I *	0.5
Core APT-049	Ethernet Communications I	0.5
Core CAD-062	Introduction to Solidworks	2.0
	SEMESTER TOTALS	11.5
Second Semester		
Core PLC-051	Variable Frequency Drive Sys.	1.0
Core APT-052	Motor Ctrl Troubleshooting I *	1.0
Core EET-086	Prog Logic Controllers I *	2.0
Core APT-053	Robot System Operations I	1.0
Core TEC-040	Print Reading for Industry	2.0
Core APT-054	Hydraulic Systems I	1.5
Core EET-087	Prog Logic Controllers II *	2.0
Core APT-055	Smart Sensor and ID Systems I	1.0
Core APT-056	Smart Factory Systems I *	1.0
Core APT-057	Robot Systems Integration I *	1.0
Core APT-061	Hydraulic Maintenance I	1.5
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	26.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

AUTOMATION SPECIALIST I CBE

(CRT.AS1.CBE) CERTIFICATE

Area of Study - Manufacturing

Introduction to theory and operation of electrical, mechanical and digital control systems. This certificate leads to mechanic-level skills for entry-level employment or apprenticeship training in the maintenance and repair of automated systems used in manufacturing and industrial settings. Coursework covers basic electrical, hydraulic, mechanical and automation knowledge and skills. This certificate is stackable with Automation Systems Specialist II CBE and is part of the Applied Engineering Technology CBE (AAS) curriculum. Completers also can be awarded Smart Automation Certification Alliance (SACA) certification Level II.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core AETC-040	Electrical Systems I	1.5
Core TECC-043	Industrial Safety	1.0
Core AETC-041	Pneumatic Systems I	0.5
Core APTC-045	Total Productive Maintenance	0.5
Core AETC-042	Mechanical Power Systems I	1.0
Core CADC-056	Computer Aided Drafting I	2.0
Core APTC-046	Motor Control Systems I *	1.0
Core APTC-047	Electrical System Install I *	1.0
Core APTC-048	Electrical Sensors I *	0.5
Core APTC-049	Ethernet Communications I	0.5
Ele --- ---	Elective	2.0
	SEMESTER TOTALS	11.5
Second Semester		
Core PLCC-051	Variable Frequency Drives	1.0
Core APTC-052	Motor Ctrl Troubleshooting I *	1.0
Core PLCC-056	PLC Systems I *	2.0
Core APTC-053	Robot System Operations I	1.0
Core TECC-040	Print Reading for Industry	2.0
Core APTC-054	Hydraulic Systems I	1.5
Core PLCC-057	PLC Systems II *	2.0
Core APTC-055	Smart Sensor and Id Systems I	1.0
Core APTC-056	Smart Factory Systems I *	1.0
Core APTC-057	Robot Systems Integration I *	1.0
Core APTC-061	Hydraulic Maintenance I	1.5
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	26.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

AUTOMATION SPECIALIST II

(CRT.AS2) CERTIFICATE

Area of Study - Manufacturing

Integration of electrical, mechanical, robotics and digital PLC, HMI and VFD control systems. This certificate leads to Technician-level skills for entry-level employment or apprenticeship training in the maintenance and repair of automated systems used in manufacturing and industrial settings. Coursework covers electrical, hydraulic, mechanical and automation knowledge and skills. This certificate is stackable with Automation Specialist I and is part of the Applied Engineering Technology (AAS) curriculum. Completers also can be awarded Smart Automation Certification Alliance (SACA) certification Level II.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core APT-058	Mechanical Power Systems II *	0.5
Core APT-059	Laser Shaft Alignment *	0.5
Core APT-060	Electric Motor Troubleshooting *	1.5
Core EET-081	Physical Computing	3.0
Core APT-062	Pneumatic Troubleshooting I *	1.0
Core APT-063	Industrial Electronic Sys I *	1.0
Core APT-064	Variable Frequency Dr II *	1.0
	SEMESTER TOTALS	8.5
Second Semester		
Core APT-065	Industrial Electronic Sys II *	0.5
Core EET-075	HMI-Human Machine Interface	2.0
Core APT-066	Ethernet Communications II *	0.5
Core APT-067	Electronics Systems Install I	1.0
Core APT-068	Data Analytics I	0.5
Core APT-069	Robot Systems Integration II *	1.0
Core APT-070	Smart Factory Systems II *	1.0
Core EET-084	AI and Robotics	1.0
Core EET-085	STEM Projects *	2.0
	SEMESTER TOTALS	9.5
	TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

AUTOMATION SPECIALIST II CBE

(CRT.AS2.CBE) CERTIFICATE

Area of Study - Manufacturing

Integration of electrical, mechanical, robotics and digital PLC, HMI and VFD control systems. This certificate leads to technician-level skills for entry-level employment or apprenticeship training in the maintenance and repair of automated systems used in manufacturing and industrial settings. Coursework covers electrical, hydraulic, mechanical and automation knowledge and skills. This certificate is stackable with Automation Specialist I CBE and is part of the Applied Engineering Technology CBE (AAS) curriculum. Completers also can be awarded Smart Automation Certification Alliance (SACA) certification Level II.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core APTC-058	Mechanical Power Systems II *	0.5
Core APTC-059	Laser Shaft Alignment *	0.5
Core APTC-060	Electric Motor Troubleshooting *	1.5
Core EETC-081	Physical Computing I	1.0
Core EETC-082	Physical Computing II	1.0
Core APTC-062	Pneumatic Troubleshooting I *	1.0
Core APTC-063	Industrial Electronic Sys I *	1.0
Core APTC-064	Variable Frequency Dr II *	1.0
Core EETC-083	Physical Computing III	1.0
	SEMESTER TOTALS	8.5
Second Semester		
Core APTC-065	Industrial Electronic Sys II *	0.5
Core PLCC-075	HMI - Human Machine Interface	2.0
Core APTC-066	Ethernet Communications II *	0.5
Core APTC-067	Electronics Systems Install I	1.0
Core APTC-068	Data Analytics I	0.5
Core APTC-069	Robot Systems Integration II *	1.0
Core APTC-070	Smart Factory Systems II *	1.0
Core EETC-084	AI and Robotics	1.0
Core EETC-085	STEM Projects	2.0
	SEMESTER TOTALS	9.5
	TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

AUTOMOTIVE TECHNICIAN I

(CRT.AT1) CERTIFICATE

Area of Study - Transportation

The 24 credit-hour automotive technician I certificate (CRT.AT1) prepares students with entry-level skills needed by technicians in the automotive industry in a stackable certificate. Students gain valuable hands-on skills that build confidence and knowledge needed to be successful. The curriculum is designed to build students' skills related to electrical, suspension, steering, braking, computer, and engine systems as well as aim them toward Automotive Service Excellence (ASE) certification. Instruction is provided by ASE-certified instructors in a shop/lab that is equipped with modern equipment.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core AUT-048	Intro to Auto Maintenance & Light Repair	3.0
Core AUT-051	Electrical Systems I	3.0
Core AUT-080	Auto Suspension & Steering *	3.0
Core AUT-053	Brake Systems *	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core AUT-050	Automotive Engine Repair	3.0
Core AUT-052	Engine Computer Systems/Sensors *	3.0
Core AUT-071	Automotive Lab I *	4.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	24.0

SUGGESTED ELECTIVES			
Ele	MTT-050	Intro to Machining Procedures	3.0
Ele	IND-044	Fluid Power	3.0
Ele	WLD-040	Welding Fundamentals	2.5
Ele	AUT-045	Safe Practices	2.0
Ele	BUS-142	Introduction to Business	3.0
Ele	BUS-041	Employability Skills	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

AUTOMOTIVE TECHNICIAN II

(CRT.AT2) CERTIFICATE

Area of Study - Transportation

This certificate is an extension of the Automotive Technician I program and additionally prepares students with more entry-level skills needed by technicians in the automotive industry. Students gain valuable hands-on skills that builds confidence and knowledge needed to be successful. The curriculum is designed to prepare students for ASE (Automotive Service Excellence) certification. Instruction is provided by ASE-certified instructors in a shop/lab that is equipped with modern equipment. A list of recommended tools can be obtained from counselors or automotive instructors.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core AUT-059	Electrical Systems II *	3.0
Core AUT-072	Automotive Lab II *	4.0
Core AUT-081	Ignition and Fuel Systems *	3.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	12.0
Second Semester		
Core AUT-076	Auto Transmissions/Transaxles *	3.0
Core AUT-083	Vehicle Emission Systems *	3.0
Core AUT-073	Automotive Lab III *	4.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	12.0
Summer Term		
Core AUT-054	Vehicle Heating & AC Systems *	3.0
Core AUT-082	Manual Dr Train and Axles *	3.0
	SEMESTER TOTALS	6.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	MTT-050	Intro to Machining Procedures	3.0
Ele	IND-044	Fluid Power	3.0
Ele	WLD-040	Welding Fundamentals	2.5
Ele	AUT-045	Safe Practices	2.0
Ele	BUS-142	Introduction to Business	3.0
Ele	BUS-041	Employability Skills	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

AUTOMOTIVE TECHNOLOGY

(AAS.AUTO) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Transportation

This degree prepares students with entry-level skills needed by technicians in the automotive industry. Students gain valuable hands-on skills that build the confidence and knowledge needed to be successful. The curriculum is designed to prepare students for Automotive Service Excellence (ASE) certification. Instruction is provided by ASE certified instructors in a shop/lab that is equipped with modern equipment.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core AUT-048	Intro to Auto Maintenance & Light Repair FA	3.0
Core AUT-051	Electrical Systems I FA	3.0
Core AUT-080	Auto Suspension & Steering * FA	3.0
Core AUT-053	Brake Systems * FA	3.0
Gen ENG-050	Writing for Industry or	
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * or	
Gen APT-041	Applied Mathematics I	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen COM-111	Intro to Speech Communication or	
Gen COM-200	Interpersonal Communication	3.0
Core AUT-050	Automotive Engine Repair SP	3.0
Core AUT-052	Engine Computer Systems/Sensors * SP	3.0
Core AUT-071	Automotive Lab I * SP	4.0
	SEMESTER TOTALS	13.0
Summer Term		
Core AUT-054	Vehicle Heating & AC Systems * SU	3.0
Core AUT-082	Manual Dr Train and Axles *	3.0
	SEMESTER TOTALS	6.0

SECOND YEAR

First Semester		Hours
Core AUT-059	Electrical Systems II * FA	3.0
Core AUT-081	Ignition and Fuel Systems * FA	3.0
Gen ECO-130	The American Economy or	
Gen ECO-231	Principles of Economics I (Macro) or	
Gen ECO-232	Principles of Economics II (Micro)	3.0
Core AUT-072	Automotive Lab II * FA	4.0
	SEMESTER TOTALS	13.0
Second Semester		
Core AUT-076	Auto Transmissions/Transaxles * SP	3.0
Core AUT-083	Vehicle Emission Systems * SP	3.0
Core AUT-073	Automotive Lab III * SP	4.0
Gen --- ---	Social/Behavioral Science Elective	3.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	63.0

FA Course only offered fall semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

BASIC AUTOMOTIVE TECHNICIAN

(NDP.BAUT) NON-DEGREE PROGRAM

Area of Study - Transportation

In the basic automotive technician certificate (NDP.BAUT) program, students will earn a 10.5 credit hour, stackable certificate from Lake Land College. The program offers OSHA-10 and SP2 certifications and builds on the basic skills of shop and vehicle safety; tool knowledge; oil, refrigerant, tire, battery, and vehicle servicing; and detailing. Students who earn the certificate can elect either to enter the workforce upon completion of the certificate or continue at Lake Land College to pursue an auto technician I certificate, auto technician II certificate, or an associate in applied science degree in automotive technology.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR			
First Semester			Hours
Core	TEC-043	Industrial Safety	1.0
Core	AUT-041	Basic Auto I	3.0
Core	AUT-042	Basic Auto II	4.0
Ele	IND-044	Fluid Power or	
Ele	WLD-040	Welding Fundamentals	2.5
		SEMESTER TOTALS	10.5
		TOTAL PROGRAM HOURS	10.5

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

BASIC NURSE ASSISTING

(NDP.NA) CERTIFICATE

Area of Study - Health Services

This 6.5-credit certificate includes the Basic Nursing Assisting courses only, which prepare students to deliver safe, competent, and basic nursing care in diverse health care settings. This program is NOT financial aid eligible.

Enrollment Requirements

All students planning to enroll in BNA courses (AHE 040 and AHE 040C) must meet the following enrollment requirements:

- Submit an appropriate Reading Placement Score:
  - Minimum required for registration: ACT-12, SAT-361, or ACCUPLACER-223.
  - Students with an ACT score of 0-11, a SAT score of 200-361, or an ACCUPLACER score of 222 or less will be required to take the Michigan English Placement Test (MEPT).
  - Students may take/retake the ACCUPLACER to earn a higher score.
- Health Care Worker Background Check
  - In accordance with the IDPH, a Livescan fingerprint criminal background check must be completed and results received for the student to attend class. Students will complete the Authorization and disclosure for Criminal History Records Information form. Also, at this time, students are required to present a hard copy of a Social Security card (no photocopies or images) or an Individual Taxpayer Identification Number (ITIN). This must be completed prior to the first day of class.
  - Students who require fingerprinting will be given a date to do fingerprinting. Students are responsible for fingerprinting cost. Students with disqualifying convictions are prohibited from participating in the course unless a waiver has been granted. Receiving a waiver is a timely process and may not be granted prior to classes starting. Students are encouraged to contact IDPH Healthcare Worker Registry with questions regarding disqualifying convictions or the waiver process. dph.hcwr@illinois.gov

Clincal Health Requirements

All students enrolled in the BNA courses (AHE 040 and AHE 040C) must meet the following clinical health requirements before the start of the clinical experience:

- 2-step TB test or QuantiFERON blood draw within the last 4 months
- Current BLS provider CPR through American Heart or American Red Cross
- Respirator Clearance Form (to be completed by a healthcare provider)

Additional clinical health requirements may be added at any time, as dictated by federal or state government agency, IDPH or the applicable clinical facility.

English as Second Language Students

Clear communication is vital to student success and patient safety. Per IDPH 711 Administrative Code 300.600, the nursing assistant must be able to speak and understand the English language or a language understood by a substantial percentage of the facility's residents. Please contact Adult Education, adulteducation@lakelandcollege.edu for additional support in this area.

ADDITIONAL INFORMATION ON NEXT PAGE

Course Description

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

AHE 040: Basic Nursing Assistant: The Basic Nursing Assistant Program includes 95 hours of theory and lab instruction and 45 hours of clinical practice. This program is approved by the Illinois Department of Public Health (IDPH) to provide instruction of basic nursing skills in the classroom, laboratory, and clinical settings. The classroom portion of the course includes basic anatomy, medical terminology, communication skills, safety, infection control and patient rights.

This course contains substantial information on Alzheimer's disease and dementia, resident/patient care and emphasizes communication and coping mechanisms are fundamental to working with this patient population. The curriculum also includes proper management of resident/patient hygiene and mobility and monitoring of vital signs.

In the lab setting, students master the 21 patient care skills mandated by IDPH. The instructor will demonstrate skills; students will then practice skills until achieving mastery level in the lab with other students.

Examination and Certification

The BNATP is approved by the Illinois Department of Public Health (IDPH), and completers are eligible to take the Illinois Nurse Aide Competency Exam (INACE). Students must successfully complete both BNA courses concurrently (AHE 040 and AHE 040C) with an 80%percent or better to be eligible to take the exam. Upon passing the state competency exam, students are eligible to work as a Certified Nursing Assistant.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core AHE-040	Basic Nurse Assisting *	4.5
Core AHE-040L	Basic Nurse Assisting-Lab *	1.0
Core AHE-040C	Basic Nurse Assisting-Clinical *	1.0
	SEMESTER TOTALS	6.5
	TOTAL PROGRAM HOURS	6.5

Completers of this program do NOT earn a certificate from Lake Land College.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Erin Swingler
Faculty Email: eswingler@lakelandcollege.edu
Faculty Phone: 217-234-5448

BASIC NURSING ASSISTANT

(NDP.BNA) CERTIFICATE
Area of Study - Health Services

Certificate
This 16.5-credit certificate includes the Basic Nursing Assistant Training Program (BNATP) plus three additional courses that prepare students to deliver safe, competent and basic nursing care in diverse health care settings. This program is financial aid eligible.

Enrollment Requirements
All students planning to enroll in BNA courses (AHE 040 and AHE 040C) must meet the following enrollment requirements:

- Submit an appropriate Reading Placement Score:
  - Minimum required for registration: ACT-12, SAT-361, or ACCUPLACER-223.
  - Students with an ACT score of 0-11, a SAT score of 200-361, or an ACCUPLACER score of 222 or less will be required to take the Michigan English Placement Test (MEPT).
  - Students may take/retake the ACCUPLACER to earn a higher score.
- Health Care Worker Background Check
  - In accordance with the IDPH, a Livescan fingerprint criminal background check must be completed and results received for the student to attend class. Students will complete the Authorization and disclosure for Criminal History Records Information form. Also, at this time, students are required to present a hard copy of a Social Security card (no photocopies or images) or an Individual Taxpayer Identification Number (ITIN). This must be completed prior to the first day of class.
  - Students who require fingerprinting will be given a date to do fingerprinting. Students are responsible for fingerprinting cost. Students with disqualifying convictions are prohibited from participating in the course, unless a waiver has been granted. Receiving a waiver is a timely process and may not be granted prior to classes starting. Students are encouraged to contact IDPH Healthcare Worker Registry with questions regarding disqualifying convictions or the waiver process. dph.hcwr@illinois.gov

Clinical Health Requirements
All students enrolled in the BNA courses (AHE 040 and AHE 040C) must meet the following clinical health requirements before the start of the clinical experience:

- 2-step TB test or QuantiFERON blood draw within the last 4 months
- Current BLS provider CPR through American Heart or American Red Cross
- Respirator Clearance Form (to be completed by a healthcare provider)

Additional clinical health requirements may be added at any time, as dictated by federal or state government agency, IDPH or the applicable clinical facility.

English as a Second Language Students
Clear communication is vital to student success and patient safety. Per IDPH 7711 Administrative Code 300.600, the nursing assistant must be able to speak and understand the English language or a language understood by a substantial percentage of the facility's residents. Please contact Adult Education, adulteducation@lakelandcollege.edu for additional support in this area.

Course Description
Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

ADDITIONAL INFORMATION ON NEXT PAGE

AHE 040: Basic Nursing Assistant: The Basic Nursing Assistant Program includes 95 hours of theory and lab instruction and 45 hours of clinical practice. This program is approved by the Illinois Department of Public Health (IDPH) to provide instruction of basic nursing skills in the classroom, laboratory, and clinical settings. The classroom portion of the course includes basic anatomy, medical terminology, communication skills, safety, infection control and patient rights.

This course contains substantial information on Alzheimer's disease and dementia resident/patient care and emphasizes communication and coping mechanisms fundamental to working with this patient population. The curriculum also includes proper management of resident/patient hygiene and mobility and monitoring of vital signs.

In the lab setting, students master the 21 patient care skills mandated by IDPH. The instructor will demonstrate skills; students will then practice skills until achieving mastery level in the lab with other students.

Examination and Certification
The BNATP is approved by the Illinois Department of Public Health (IDPH), and completers are eligible to take the Illinois Nurse Aide Competency Exam (INACE). Students must successfully complete both BNA courses concurrently (AHE 040 and AHE 040C) with an 80%percent or better to be eligible to take the exam. Upon passing the state competency exam, students are eligible to work as a Certified Nursing Assistant.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	AHE-040	Basic Nurse Assisting *	4.5
Core	AHE-040L	Basic Nurse Assisting-Lab *	1.0
Core	AHE-040C	Basic Nurse Assisting-Clinical *	1.0
Core	AHE-041	Medical Terminology	3.0
Ele	--- ---	Area of Concentration	7.0
		SEMESTER TOTALS	16.5
		TOTAL PROGRAM HOURS	16.5

AREA OF CONCENTRATION: ASSOCIATE DEGREE ADN			
Ele	AHE-045	Professionalism in Health Care	2.0
Ele	HED-290	Disease Processes *	3.0
Ele	AHE-055	Math for Meds	2.0

AREA OF CONCENTRATION: PHLEBOTOMY CERTIFICATION			
Ele	AHE-047	Phlebotomy Techniques	4.0
Ele	AHE-048	Phlebotomy Practicum *	2.0
Ele	AHE-045	Professionalism in Health Care	2.0

AREA OF CONCENTRATION: STERILE PROCESSING CERTIFICATION			
Ele	AHE-058	Central Service Tech Exam Review	3.0
Ele	AHE-059	Central Service Tech Practicum *	4.0

Completers of the program receive a certificate from Lake Land College.

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Erin Swingler
Faculty Email: eswingler@lakelandcollege.edu
Faculty Phone: 217-234-5448

BASIC WELDING

(NDP.BWEL) CERTIFICATE

Area of Study - Manufacturing

The basic welding program provides an introduction to basic welding practices and skills that includes metal layout and cutting, SMAW, GMAW and GTAW processes. Industrial safety and other skills, such as print reading, are covered. This certificate is directly applicable to the welding certificate and associate in applied science degree. This program aligns with the AWS SENSE I Entry Welder Certification specifications, offering an initial introduction to modules 1-5, and 8.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core TEC-040	Print Reading for Industry	2.0
Core TEC-043	Industrial Safety	1.0
Core WLD-040	Welding Fundamentals	2.5
Core WLD-041	Metal Cutting and Fabrication	2.0
	SEMESTER TOTALS	10.5
	TOTAL PROGRAM HOURS	10.5

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

BASIC WELDING CBE

(NDP.BWEL.CBE) NON-DEGREE PROGRAM

Area of Study - Manufacturing

The basic welding program is offered in a competency-based education (CBE) format, providing an introduction to basic welding practices and skills that include metal layout and cutting, SMAW, GMAW and GTAW processes. Industrial safety and other skills, such as print reading, are covered. This certificate is directly applicable to the CBE welding certificate and associate in applied science degree.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core TECC-040	Print Reading for Industry	2.0
Core TECC-043	Industrial Safety	1.0
Core WLDC-040	Welding Fundamentals	2.5
Core WLDC-041	Metal Cutting and Fabrication	2.0
	SEMESTER TOTALS	10.5
	TOTAL PROGRAM HOURS	10.5

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

BROADCAST ANNOUNCING

(CRT.RTVAN) CERTIFICATE

Area of Study - Humanities & Social Science

Students will be prepared for a career as an on-air talent for broadcasting by working with various forms of live and recorded announcing, including news, weather, and advertising. All coursework in the Broadcast Announcing certificate can be applied to an associate in applied science degree in Broadcast Communication.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	COM-150	Introduction to Broadcasting	3.0
Core	COM-155	Radio-TV Announcing	3.0
Core	COM-072	Fall Sportscasting or	
Core	COM-082	Fall Athletic Announcing	1.0
Core	COM-111	Intro to Speech Communication	3.0
Core	COM-180	Basic TV Production or	
Core	--- ---	COM Elective	3.0
		SEMESTER TOTALS	13.0
Second Semester			
Core	COM-073	Spring Sportscasting or	
Core	COM-083	Spring Athletic Announcing	2.0
Core	COM-160	Radio Station Operation	5.0
Core	COM-165	Broadcast Writing	4.0
Ele	COM-185	Advanced Radio Production * or	
Ele	--- ---	COM Elective	4.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	28.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Powers
Faculty Email: gpowers@lakelandcollege.edu
Faculty Phone: 217-234-5335

BROADCAST COMMUNICATION

(AAS.RTV) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Humanities & Social Science

Broadcast Communication provides students with the skills necessary for positions of employment in local and regional radio and television stations. Students receive hands-on training with much of the same equipment found in today's broadcast industry. Upon completion of a Broadcast Communication degree, students will be able to write news, sports, commercials and promotional announcements for use on radio and television; to function as radio/television announcers; and to operate state-of-the-art digital audio systems, digital, audio, and video editing systems, and a radio control console. Students will also be proficient in the effective techniques of broadcast sales and will be able to operate an assortment of video production equipment. For those interested, training in sports play-by-play is also available. Experience is obtained on the college FM stereo radio station, through work in the non-broadcast video studio, by using video field equipment and through the use of audio and video digital editing systems. Media internships are available.

For students who want to transfer: A program can be designed for a student who wants to transfer to a university with an emphasis in radio and television. If a student completes the program, the Illinois Articulation Initiative (IAI) General Education Requirements are fulfilled. Classes in the Broadcast Communication major are accepted as an equivalent, general elective in the major, or general elective. Following completion, a student receives an associate in applied science degree with all general education requirements satisfied.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core COM-150	Introduction to Broadcasting	3.0
Core COM-155	Radio-TV Announcing	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen POS-160	American National Government or	
Gen PSY-271	Introduction to Psychology	3.0
Gen SFS-101	Strategies for Success or	
Gen SOC-280	Introduction to Sociology or	
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core COM-160	Radio Station Operation	5.0
Core COM-165	Broadcast Writing	4.0
Gen COM-111	Intro to Speech Communication	3.0
Gen ESC-102	Weather and Climate	4.0
	SEMESTER TOTALS	16.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Powers
Faculty Email: gpowers@lakelandcollege.edu
Faculty Phone: 217-234-5335

SECOND YEAR

First Semester		Hours
Core COM-180	Basic TV Production	3.0
Core COM-070	Radio Production Lab	5.0
Ele --- ---	Career Elective	3.0
Core COM-220	Persuasive Speaking *	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Core COM-175	Broadcast Sales	3.0
Gen HIS-156	History of the U.S. II	3.0
Core COM-185	Advanced Radio Production *	4.0
Core COM-198	Broadcast Seminar *	1.0
Core COM-199	Broadcast Internship *	2.0
Ele --- ---	Career Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele COM-072	Fall Sportscasting	1.0
Ele COM-073	Spring Sportscasting	2.0
Ele COM-082	Fall Athletic Announcing	1.0
Ele COM-083	Spring Athletic Announcing	2.0
Ele COM-200	Interpersonal Communication	3.0
Ele COM-213	Intro to Group Discussion	3.0
Ele CIS-066	Digital Video Production	3.0

BUILDING CONSTRUCTION TRADES

(AAS.BCT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Architecture & Construction

Turn your interest in building into a rewarding career in the growing construction industry. The hands-on Building Construction Technology degree prepares students for a wide range of skilled positions in residential and light commercial construction. Coursework includes exterior framing, interior finishing and construction management, along with training in blueprint reading, workplace safety, applicable math skills and project planning. Students will also gain drafting and design experience using industry-standard software, such as AutoCAD and Revit. Graduates are prepared for careers as framing or finish carpenters, site supervisors, estimators, construction technicians or project coordinators. With additional experience, students could one day even be self-employed and run their own business if they choose and feel ready for the next stages of life.

Consult an advisor for transfer options. Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

FIRST YEAR

First Semester		Hours
Core CAD-056	CAD I	2.0
Core BCT-047	Groundwork: Tools to Concrete	2.0
Core BCT-057	Framework: Walls to Rafters *	2.0
Core BCT-045	Plans and Specifications	3.0
Gen APT-041	Applied Mathematics I	3.0
Ele CIS-068	Computer Appl-Special Topics	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core BCT-067	Ext Finish: Doors to Shingles	2.0
Core BCT-077	Outbuildings: Decks to Sheds *	2.0
Core BCT-063	Architectural Drafting *	3.0
Gen APT-042	Applied Mathematics II *	2.0
Gen APT-043	Applied Mathematics III *	2.0
Gen SFS-150	Money Management Strategies	3.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	16.0

SUGGESTED ELECTIVES

Ele APT-050	Electrical Principles/Practice	4.0
Ele BCT-075	Carpentry SOE	2.5
Ele BCT-078	Architectural SOE	0.5
Ele BCT-079	Construction Mgmt Internship	4.0
Ele BUS-089	Small Business Management	3.0
Ele BUS-221	Financial Accounting *	3.0
Ele BUS-251	Principles of Management	3.0
Ele CAD-057	CAD II	3.0
Ele CET-054	Soils + Aggregates *	4.0
Ele CET-056	PCC Theory and Design	2.0
Ele CET-060	Surveying I	3.0
Ele ECO-231	Principles of Economics I (Macr	3.0
Ele EET-098	Residential & Commercial Appl	2.0
Ele EET-099	Electric Code Fundamentals	2.0
Ele TEC-043	Industrial Safety	1.0
Ele WLDC-040	Welding Fundamentals	2.5

SECOND YEAR

First Semester		Hours
Core BCT-087	Int Finish: Walls to Flooring	2.0
Core BCT-097	Woodwork: Trim to Cabinetry	2.0
Core EET-088	Residential Wiring	2.0
Core BCT-073	Architectural Design & Layout *	3.0
Gen SOS-052	Workplace Communication/Safety	3.0
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CET-056	PCC Theory and Design * or	
Core EET-098	Residential & Commercial Appl *	2.0
Core BCT-099	The Basics of Plumbing	2.0
Core BCT-089	Construction Estimating *	3.0
Core CAD-059	Special Applications of CAD *	3.0
Core BUS-251	Principles of Management or	
Core BCT-070	Construction Management *	3.0
Ele --- ---	Career Elective	2.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kurt Hoene
Faculty Email: khoene2@lakelandcollege.edu
Faculty Phone: 217-234-5421

BUSINESS DEVELOPMENT

(CRT.BUSDEV) CERTIFICATE

Area of Study - Business Management

The Business Development program is designed to provide students with the background to successfully launch and then effectively manage a growing business enterprise. Courses have been carefully selected to provide students with a comprehensive level of exposure to the key areas associated with running a successful 21st century business including management, marketing, accounting, communication, and information technology. All of the courses satisfactorily completed in this certificate program will apply to the Associate in Applied Science degree with a major in Management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core BUS-142	Introduction to Business	3.0
Core CIS-160	Practical Software Applications	3.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
Core BUS-141	Business Communications or	
Core BUS-120	Business Career Development	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core BUS-251	Principles of Management	3.0
Core BUS-247	Principles of Marketing	3.0
Ele --- ---	Marketing Elective **	3.0
Ele --- ---	Management Elective **	3.0
Core CIS-099	Introduction to Web Technology or	
Ele --- ---	ITT Elective **	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	27.0

SUGGESTED ELECTIVES		
Ele	BUS-134 Principles of E-Marketing	3.0
Ele	BUS-090 Prin of Retailing	3.0
Ele	BUS-092 Principles of Selling	3.0
Ele	BUS-290 Human Resource Management	3.0
Ele	BUS-200 Legal Environ/Business	3.0
Ele	BUS-089 Small Business Management	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
** Consult Academic Advisor for appropriate course

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

CHILD AND FAMILY SERVICES

(AAS.CFS) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Education

The primary objective of the Child & Family Services program is to provide students who are interested in a career working with children and/or the family sector with the appropriate academic background and practical experience needed to successfully gain employment in a variety of job opportunities associated with this specific background. Employment opportunities include the following: parent advocate, parental model trainer, subsidy specialist, child care specialist and family aide specialist. In addition, the program was designed and created to be a transferable option to achieve a Bachelor of Science degree in Family and Consumer Sciences with a focus in Family Service. Contact an academic advisor regarding transferability options. ECE 120 and ECE 125 must be taken during the same semester.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core ECE-100	Intro to Early Childhood Educ	3.0
Core ECE-110	Child Behavior Management	3.0
Gen BIO-100	Bio Science I	4.0
Gen SOC-280	Introduction to Sociology or	
Gen SOC-290	Sociology of Family	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen PSY-271	Introduction to Psychology or	
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Gen SOC-282	Social Problems	3.0
Core ECE-102	Health/Safety/Nutri/Yng Child	3.0
Core HSP-120	Introduction to Social Work	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Core ECE-095	Creative Activities for Children	4.0
Core ECE-051	Infant/Toddler Environment	3.0
Gen ART-250	Understanding Art	3.0
Gen PSY-274	Child Development	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core ECE-087	Organization/Mgt of Preschools	3.0
Core ECE-083	Instructional Methods	3.0
Core ECE-120	Field Experience Seminar *	1.0
Core ECE-125	Field Experience *	2.0
Gen HED-178	Responding to Emergencies	2.0
Gen PSY-279	Human Dev/Life Span	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	61.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

CIVIL ENGINEERING TECHNOLOGY

(AAS.CET) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Architecture & Construction

This option of the Civil Engineering Technology program allows a graduate to continue his or her education at Southern Illinois University in Carbondale or Eastern Illinois University. Graduates from this program of study are able to complete a bachelor of science degree in Technical Resource Management at SIUC with only an additional 60 semester hours of course work.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core CET-060	Surveying I	3.0
Core CET-054	Soils + Aggregates *	4.0
Core CET-051	Civil Construction I	3.0
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen APT-042	Applied Mathematics II *	2.0
Gen APT-043	Applied Mathematics III *	2.0
Core CET-056	PCC Theory and Design *	2.0
Core CET-057	Asphalt Theory and Design *	2.0
Core TEC-045	Introduction to Drafting	2.0
Core CAD-056	CAD I	2.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core TEC-060	Analytical Mechanic *	4.0
Core CET-062	Surveying II *	3.0
Ele CIS-068	Computer Appl-Special Topics	2.0
Core CET-052	Civil Construction II *	3.0
Core CET-082	Civil Drafting *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
Core CET-087	Hydraulics & Drainage *	3.0
Core CET-064	Surveying III *	3.0
Core CET-081	CAD for Civil Engineering *	3.0
Core CET-065	Data Collection for GIS Mapping *	2.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5073

CIVIL ENGINEERING TECHNOLOGY - COOP

(AAS.CETCO) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Architecture & Construction

This cooperative study option has the same course work as the regular program; however, it is extended to include 15 months of on the job experience as an integral part of the training. The student will earn college credit plus typically earn a salary during this experience. The knowledge gained during the field cooperative work experience is very good for building a resume for future employment.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core CET-060	Surveying I	3.0
Core CET-054	Soils + Aggregates *	4.0
Core CET-051	Civil Construction I	3.0
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Gen APT-042	Applied Mathematics II *	2.0
Core CET-056	PCC Theory and Design *	2.0
Gen APT-043	Applied Mathematics III *	2.0
Core CET-057	Asphalt Theory and Design *	2.0
Core TEC-045	Introduction to Drafting	2.0
Core CAD-056	CAD I	2.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0
Summer Term		
Core CET-076	Supervised Occupational Exp *	5.0
	SEMESTER TOTALS	5.0

SECOND YEAR

First Semester		Hours
Core CET-077	Supervised Occupational Experience *	6.0
	SEMESTER TOTALS	6.0
Second Semester		
Core CET-078	Supervised Occupational Experience *	6.0
	SEMESTER TOTALS	6.0
Summer Term		
Core CET-079	Supervised Occupational Exp *	3.0
	SEMESTER TOTALS	3.0

THIRD YEAR

First Semester		Hours
Core TEC-060	Analytical Mechanic *	4.0
Core CET-062	Surveying II *	3.0
Ele CIS-068	Computer Appl-Special Topics	2.0
Core CET-052	Civil Construction II *	3.0
Core CET-082	Civil Drafting *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
Core CET-087	Hydraulics & Drainage *	3.0
Core CET-064	Surveying III *	3.0
Core CET-081	CAD for Civil Engineering *	3.0
Core CET-065	Data Collection for GIS Mapping *	2.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	80.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5073

CIVIL ENGINEERING TECHNOLOGY / CET / ADVANCED TECHNICAL STUDIES

(AAS.CETAT) ASSOCIATE IN APPLIED SCIENCE
Area of Study - Architecture & Construction

This option of the Civil Engineering Technology program allows a graduate to continue his or her education at Southern Illinois University in Carbondale or Eastern Illinois University. Graduates from this program of study are able to complete a bachelor of science degree in Technical Resource Management at SIUC with only an additional 60 semester hours of course work.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Core CET-060	Surveying I	3.0
Core CET-054	Soils + Aggregates *	4.0
Core CET-051	Civil Construction I	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	17.0

Second Semester		
Gen MAT-210	Finite Mathematics *	3.0
Core CET-056	PCC Theory and Design *	2.0
Core CET-057	Asphalt Theory and Design *	2.0
Core TEC-045	Introduction to Drafting	2.0
Core CAD-056	CAD I	2.0
Ele COM-111	Intro to Speech Communication	3.0
Ele CIS-160	Practical Software Applications	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR

First Semester		Hours
Gen PHY-130	College Physics I *	4.0
Core CET-062	Surveying II *	3.0
Core CET-052	Civil Construction II *	3.0
Core CET-082	Civil Drafting *	3.0
Ele MAT-132	Trigonometry *	3.0
	SEMESTER TOTALS	16.0

Second Semester		
Ele PHY-131	College Physics II *	4.0
Core CET-087	Hydraulics & Drainage *	3.0
Core CET-064	Surveying III *	3.0
Core CET-081	CAD for Civil Engineering *	3.0
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	66.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5073

COMMERCIAL TRUCK DRIVER TRAINING

(NDP.CTDT) NON-DEGREE PROGRAM

Area of Study - Transportation

Designed for the person with little to no commercial driving experience, this certificate program is Entry Level Driver Training (ELDT) rule compliant and provides everything a student needs to obtain an entry level driving position in the transportation industry.

The Lake Land Commercial Truck Driver Training Program works with many trucking companies that will pre-hire students. Truck driving is one of the few occupations where students who complete training are almost certain to go to work immediately. Most students receive job offers prior to completion of their training.

Training is conducted at the Lake Land College Workforce Development Center, 5001 Lake Land Blvd., Mattoon, IL, the Lake Land College Eastern Region Center, 224 S 6th St, Marshall, IL, and the Effingham Technology Center, 1201 Althoff Dr, Effingham, IL. For more information about the program, job opportunities and payment options, contact the Transportation Training Coordinator at 1-800-789-1282 or visit the website at lakelandcollege.edu/cdl.

Commercial Driver's License Requirements

1. Applicants must have a valid regular (non-commercial) Illinois or Indiana driver's license and be at least 18 years old (Intrastate); Must be at least 21 years old to drive a commercial motor vehicle across state lines (interstate).

2. An applicant "must provide to the State proof of citizenship or be lawfully in the United States and in possession of a valid H-2A, H-2B, or E2 Visa per Federal guidelines.

3. Applicants must pass all applicable background screens.

4. Applicants must have no active driver's license suspensions or revocations in any state

5. Applicants must certify that he/she is not "subject to any disqualification under FMCSA 383.51 (complete list of disqualifications), or any license disqualification under State law, and that he/she does not have a driver's license from more than one state or jurisdiction".

6. Applicants must be able to read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, to respond to official inquiries, and to make entries on reports and records.

7. An applicant must be physically qualified to drive a commercial motor vehicle and has passed a Department of Transportation Physical and Drug Screen.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core	CDL-050 Class A CDL Driver Training *	10.0
	SEMESTER TOTALS	10.0
	TOTAL PROGRAM HOURS	10.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Justin Onigkeit
Faculty Email: jonigkeit@lakelandcollege.edu
Faculty Phone: 217-238-8239

OPTIONAL COURSES		
Ele	CDL-010 CDL Recertification *	0.5
Ele	CDL-030 HazMat Endorsement Training *	1.0
Ele	CDL-045 Class B CDL Driver Training *	7.5
Ele	CDL-046 Class B CDL Theory *	5.0
Ele	CDL-047 Class B CDL BTW *	2.5
Ele	CDL-051 Class A CDL Theory *	5.0
Ele	CDL-052 Class A CDL BTW *	5.0
Ele	CDL-060 Class B CDL to A Upgrade *	7.5
Ele	CDL-043 Dual Credit CDL Theory *	3.5
Ele	CDL-090 Careers in CDL *	3.0

COMPUTER-AIDED DESIGN TECHNOLOGY

(AAS.CAD) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Architecture & Construction

Computer-Aided Design (CAD) is a computer graphics based tool that allows drafters, designers and engineers to develop new products faster by automating many complex and tedious design tasks. This program will provide in-depth knowledge and experience in two- and three-dimensional design and drafting. The student will work with state-of-the-art CAD and solid modeling software and hardware. Those earning this degree will be prepared for a career as a CAD designer, mechanical designer, engineering technician or CAD technician, or Architectural drafter. Upon completion, students can also receive industry recognized certificates from Fanuc, OSHA, AutoCAD, and others. Degree also available online. Consult Advisor.

Students planning to continue their education at Eastern Illinois University or Southern Illinois University to earn a bachelor's degree in Industrial Technology, Applied Engineering, or Architecture should consult their advisor/counselor for course requirements and substitutions.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen MAT-129	College Algebra Pathway or	
Gen MAT-130	College Algebra * or	
Gen APT-041	Applied Mathematics I	3.0
Core TEC-103	Engineering Graphics	3.0
Core CAD-056	CAD I	2.0
Ele CIS-160	Practical Software Applications	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	14.0

Second Semester		
Gen APT-042	Applied Mathematics II * and	
Gen APT-043	Applied Mathematics III * or	
Gen MAT-132	Trigonometry *	3.0
Core CAD-057	CAD II *	3.0
Core CAD-062	Introduction to Solidworks	2.0
Ele --- ---	Social Science Elective	3.0
Ele --- ---	Career Elective	4.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core CAD-058	CAD Drafting Systems	2.0
Core CIM-092	Computer-Aided Manufacturing *	3.0
Core CAD-060	3D Solid Modeling	3.0
Gen PHY-130	College Physics I * or	
Gen TEC-060	Analytical Mechanic *	4.0
Gen SOS-052	Workplace Communication/Safety	3.0
	SEMESTER TOTALS	15.0

Second Semester		
Core MET-084	Technical Mechanisms *	3.0
Core CAD-061	3D Parametric Design *	3.0
Core CAD-059	Special Applications of CAD *	3.0
Core CIM-060	CNC Machining *	3.0
Ele --- ---	Career Elective	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele BCT-062	Architectural Drafting II *	4.0
Ele BCT-076	Architectural Design *	4.0
Ele CET-081	CAD for Civil Engineering *	3.0
Ele CET-082	Civil Drafting *	3.0
Ele CIS-063	3-D Computer Animation	3.0
Ele CIS-092	Adobe Illustrator	3.0
Ele APT-050	Electrical Principles/Practice	4.0
Ele EET-056	Electronic Circuit Design/Fabrication	3.0
Ele MTT-050	Intro to Machining Procedures	3.0
Ele CIM-094	Computer Integrated Manf *	3.0
Ele CIM-044	Industrial Robotics	2.0
Ele CAD-075	Supervised Occupational Exp *	3.0
Ele TEC-043	Industrial Safety	1.0
Ele ITT-063	Innovation I	3.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Justin Onigkeit
Faculty Email: jonigkeit@lakelandcollege.edu
Faculty Phone: 217-238-8239

ADDITIONAL INFORMATION ON NEXT PAGE

COMPUTER-AIDED DRAFTING

(CRT.CAD) CERTIFICATE

Area of Study - Architecture & Construction

Computer-Aided Drafting (CAD), also called computer-aided design, has evolved from an experimental process to a highly efficient tool in the past 20 years. CAD not only replaces most manual drafting, but can also be used for generating bills of materials, doing computerized structural analysis and controlling manufacturing machines. Several companies in the local area and worldwide, both large and small, utilize CAD for a variety of purposes. Computer-aided drafting is a unique application of computer graphics. The CAD draftsman can easily produce and modify plans, blueprints, designs, technical illustrations and schematics. Once a student completes the CAD certificate program, he or she will not only know how to operate a CAD system, but also how to set-up, customize and troubleshoot it. The many uses of CAD have opened many career opportunities in this exciting high-tech field. As a stand-alone certificate, the graduate can expect to find employment as a CAD draftsman or CAD operator. Those earning an associate in applied science degree can complete a few additional courses and earn a CAD certificate. The CAD certificate can greatly increase the opportunities for a good paying job in such fields as manufacturing, civil engineering, electronics or building construction. Students planning to continue their education can use this certificate as the beginning of a degree in similar fields. Certificate also available online. Consult Advisor.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CAD-056	CAD I	2.0
Core CAD-058	CAD Drafting Systems	2.0
Gen MAT-130	College Algebra * or	
Gen APT-041	Applied Mathematics I	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core TEC-103	Engineering Graphics	3.0
Core CAD-060	3D Solid Modeling	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core CAD-057	CAD II *	3.0
Core CAD-059	Special Applications of CAD *	3.0
Ele CIS-160	Practical Software Applications	3.0
Core CAD-062	Introduction to Solidworks	2.0
Ele --- ---	Career Elective	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	CIM-094	Computer Integrated Manf *	3.0
Ele	CAD-061	3D Parametric Design *	3.0
Ele	CIM-060	CNC Machining *	3.0
Ele	CIM-092	Computer-Aided Manufacturing *	3.0
Ele	BCT-045	Plans and Specifications	3.0
Ele	BCT-063	Architectural Drafting *	3.0
Ele	BCT-073	Architectural Design & Layout *	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Stanfield
Faculty Email: mstanfield@lakelandcollege.edu
Faculty Phone: 217-234-5360

CONSTRUCTION MANAGEMENT

(NDP.BCTM) CERTIFICATE

Area of Study - Architecture & Construction

Interested in a leadership role in the construction industry? The Construction Management certificate provides a fast-track foundation in construction project management, estimating and small business operations. Students will learn essential skills used on real-world job sites, including cost analysis, project coordination and construction planning. A flexible elective allows students to tailor the program toward safety, software or field experience. It is perfect for aspiring supervisors, project assistants or skilled tradespeople looking to move into a management role.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

FIRST YEAR			
First Semester			Hours
Core	BCT-070	Construction Management *	3.0
Core	BCT-089	Construction Estimating *	3.0
Ele	--- ---	Career Elective	4.0
Core	BUS-089	Small Business Management	3.0
		SEMESTER TOTALS	13.0
		TOTAL PROGRAM HOURS	13.0

SUGGESTED ELECTIVES			
Ele	BCT-075	Carpentry SOE	2.5
Ele	BCT-078	Architectural SOE	0.5
Ele	BCT-079	Construction Mgmt Internship	4.0
Ele	BCT-099	The Basics of Plumbing	2.0
Ele	BUS-221	Financial Accounting *	3.0
Ele	BUS-251	Principles of Management	3.0
Ele	EET-099	Electric Code Fundamentals	2.0
Ele	CIS-068	Computer Appl-Special Topics	2.0
Ele	CIS-160	Practical Software Applications	3.0
Ele	SFS-150	Money Management Strategies	3.0
Ele	SOS-052	Workplace Communication/Safety	3.0
Ele	TEC-043	Industrial Safety	1.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kurt Hoene
Faculty Email: khoene2@lakelandcollege.edu
Faculty Phone: 217-234-5421

COSMETOLOGY

(CRT.COS) CERTIFICATE

Area of Study - Public Services

The Lake Land College Cosmetology Program offers a dynamic and creative path toward a professional license in the beauty industry. Designed to inspire confidence, creativity, and career readiness, this hands-on program prepares students for success in today's fast-paced salon and spa environment.

Students learn the art and science of hair design, skincare, nail care, makeup application, and salon management through a combination of classroom instruction, interactive demonstrations, and a supervised salon clinic setting. Guided by experienced instructors and aligned with the Illinois Department of Financial and Professional Regulation (IDFPR) standards, the program emphasizes professionalism, creativity, and technical excellence.

From mastering foundational techniques to exploring advanced color, cutting, and texture services, you'll gain the skills needed to serve diverse clients with confidence. Courses also include business and customer-service training. Graduates are prepared to take the Illinois State Board examination for licensure as cosmetologists and to enter employment in salons, spas, and related professional settings.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core COS-040	Cosmetology Theory I *	3.0
Core COS-041	Fundamental Hair Services *	2.0
Core COS-042	Cosmetology Lab I *	5.0
Core COS-043	Cosmetology Theory II *	3.0
Core COS-044	Foundations of Haircolor *	2.0
Core COS-045	Cosmetology Lab II *	5.0
	SEMESTER TOTALS	20.0
Second Semester		
Core COS-062	Cosmetology Theory III *	3.0
Core COS-063	Cosmetology Career Planning *	2.0
Core COS-064	Cosmetology Lab III *	5.0
Core COS-070	Cosmetology Theory IV *	3.0
Core COS-071	Salon Management and Marketing *	2.0
Core COS-072	Cosmetology Lab IV *	5.0
	SEMESTER TOTALS	20.0
Third Semester		
Core COS-085	Cosmetology Theory V *	3.0
Core COS-086	Advanced Hair Services Lab *	2.0
Core COS-087	Cosmetology Lab V *	5.0
	SEMESTER TOTALS	10.0
	TOTAL PROGRAM HOURS	50.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kambri Hinds
Faculty Email: khinds4602@lakelandcollege.edu
Faculty Phone: 217-234-5343

COSMETOLOGY TEACHER

(CRT.COSTR) CERTIFICATE

Area of Study - Public Services

Illinois Cosmetology license required. Cosmetology Teacher I, II and III develops the teaching techniques for the instruction of cosmetology skills. The study of basic theory and principles of cosmetology instruction and business procedures are examined. The student will complete requirements for state board examination and licensing in the state of Illinois.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	COS-076	Cosmetology Teacher I FA	6.0
Gen	ENG-095	Business English or	
Gen	ENG-119	Composition I Pathway * or	
Gen	ENG-120	Composition I *	3.0
Ele	--- ---	Cosmetology Teacher Elective	3.0
		SEMESTER TOTALS	12.0
Second Semester			
Core	COS-077	Cosmetology Teacher II * SP	6.0
Gen	COM-111	Intro to Speech Communication	3.0
		SEMESTER TOTALS	9.0
Third Semester			
Core	COS-078	Cosmetology Teacher III *	5.0
Ele	--- ---	Cosmetology Teacher Elective	3.0
		SEMESTER TOTALS	8.0
		TOTAL PROGRAM HOURS	29.0

FA Course only offered fall semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kambri Hinds
Faculty Email: khinds4602@lakelandcollege.edu
Faculty Phone: 217-234-5343

COURT REPORTING AND CAPTIONING TRACK

(AAS.CRT.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Office Professionals

The Associate Degree Track prepares the student for acceptance into Court Reporting and Captioning Program. The Court Reporting and Captioning Degree is a special admission program. After acceptance into the program, student's major will be changed to AAS.CRT.

The court reporting program prepares students for careers in the judicial setting as either official or freelance court reporters. Students are also prepared for careers providing captioning for broadcast television and internet programs working with the deaf or hard-of-hearing population providing instantaneous text translation in education, civic, and corporate settings. They will demonstrate proficient skills in the use of real-time technology and implement professional skills in preparing accurate, instantaneous text translations.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

COURT REPORTING AND CAPTIONING

(AAS.CRT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

The court reporting program prepares students for careers in the judicial setting as either official or freelance court reporters. Students are also prepared for careers providing captioning for broadcast television and internet programs working with the deaf or hard-of-hearing population providing instantaneous text translation in education, civic, and corporate settings. They will demonstrate proficient skills in the use of real-time technology and implement professional skills in preparing accurate, instantaneous text translations.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen CRT-067	Court Reporting Comm I	3.0
Core CRT-043	Intro to Court Reporting/CART	1.0
Core CRT-047	Machine Shorthand Theory	4.0
Gen SFS-101	Strategies for Success	2.0
Gen BIO-050	Basic Anatomy & Physiology	4.0
	SEMESTER TOTALS	14.0
Second Semester		
Core CRT-084	Medical & Legal Terminology I	3.0
Gen BUS-141	Business Communications	3.0
Core CRT-040	Speedbuilding I	3.0
Core CRT-045	Speedbuilding II *	3.0
	SEMESTER TOTALS	12.0
Summer Term		
Core CRT-050	Speedbuilding III *	3.0
	SEMESTER TOTALS	3.0

SECOND YEAR

First Semester		Hours
Core CRT-055	Speedbuilding IV *	3.0
Core CRT-060	Speedbuilding V *	3.0
Core CRT-068	Court Reporting Comm II	3.0
Gen PSY-271	Introduction to Psychology	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core CRT-072	Courtroom Procedures & Technology	3.0
Core CRT-065	Speedbuilding VI *	3.0
Core CRT-070	Speedbuilding VII *	3.0
Core CRT-085	Medical & Legal Terminology II	3.0
	SEMESTER TOTALS	12.0
Summer Term		
Core CRT-075	Speedbuilding VIII *	3.0
Core CRT-090	Exam Preparation	3.0
Core CRT-083	Court Reporting Internship	1.0
	SEMESTER TOTALS	7.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

CRIME SCENE TECHNICIAN

(NDP.CST) CERTIFICATE

Area of Study - Public Services

The Crime Scene Technician certificate program is designed to provide students with a foundational understanding of the analytical procedures employed by crime scene technicians. The program covers essential skills including: documenting a crime scene, providing lawful justification for a crime scene search, searching a crime scene, preparing courtroom testimony, and maintaining crime scene resources.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CJS-156	Criminal Law	3.0
Core CJS-093	Basic Crime Scene Investigation	3.0
Core CJS-096	Forensic Photography	3.0
	SEMESTER TOTALS	9.0
Second Semester		
Core CJS-160	Criminal Evidence and Procedure	3.0
Core CJS-094	Advanced Crime Scene Investigation *	3.0
Core CJS-095	Crime Scene Reconstruction *	3.0
	SEMESTER TOTALS	9.0
	TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

CRIMINAL JUSTICE LEADERSHIP

(NDP.CJL) CERTIFICATE

Area of Study - Public Services

The Criminal Justice Leadership certificate is aimed at students and working criminal justice professionals who want to take on a leadership role in their careers. This certificate will instill basic leadership knowledge, including general management principles and principles in labor relations and human resources.

This certificate can be applied toward the associate in applied science degree in Law Enforcement to help expand the student's credentials and knowledge.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core CJS-092	Police Management & Supervision	3.0
Core CJS-150	Intro/Criminal Just	3.0
Core COM-200	Interpersonal Communication	3.0
Core BUS-251	Principles of Management	3.0
Core BUS-285	Labor Relations	3.0
Core BUS-290	Human Resource Management	3.0
Core CJS-200	Liability in Criminal Justice	3.0
	SEMESTER TOTALS	21.0
	TOTAL PROGRAM HOURS	21.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

CRIMINOLOGY SECURITY STUDIES

(CRT.CSS) CERTIFICATE

Area of Study - Public Services

The Criminology Security Studies certificate program will prepare students for career opportunities in the physical security industry. Students will gain knowledge in common core coursework in crime prevention, criminology theory, investigations and criminal law. Additionally, students will receive coursework in such topics as loss prevention, security and the protection of facilities. Graduates of this program would find employment in criminal justice, private security and corporations.

The Criminology Security Studies is stackable with Lake Land College (AA.CJS) as well as Law Enforcement (AAS.LE).

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core CJS-152	Criminal Investigation I	3.0
Core CJS-156	Criminal Law	3.0
Core CSS-150	Intro to Private Security	3.0
Core CJS-249	Crime Prevention	3.0
Core CSS-151	Intro to Loss Prevention	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CJS-160	Criminal Evidence and Procedure	3.0
Core CJS-200	Liability in Criminal Justice	3.0
Core CJS-250	Criminology	3.0
Core CSS-230	School and Campus Security	3.0
Core CSS-231	Institutional & Industrial Security	3.0
Core CJS-1xx	Criminal Justice Internship	3.0
	SEMESTER TOTALS	18.0
	TOTAL PROGRAM HOURS	33.0

SUGGESTED ELECTIVES		
Core CJS-104	Criminal Justice Internship I	1.0
Core CJS-105	Criminal Justice Internship II	2.0
Core CJS-106	Crimiinal Justice Internship III	3.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

CROP PRODUCTION

(CRT.CROP) CERTIFICATE

Area of Study - Agriculture

The Crop Production certificate is designed to prepare students for employment in crop production situations. These situations include farming, farm management and farm operations. Program contains a minimum of eight weeks of internship at an approved location.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Gen	AGR-040	Agricultural Mathematics or	
Gen	MAT-115	General Education Pathway * or	
Gen	MAT-116	General Education Math *	3.0
Core	AGR-204	Prin/Field Crop Science or	
Core	AGR-052	Principles of Crop Production	3.0
Core	AGR-206	Intro/Animal Science or	
Core	AGR-060	Animal Husbandry	3.0
Core	AGR-205	Intro/Soil Science or	
Core	AGR-050	Soils	3.5
Core	AGR-122	Farm Management	2.5
		SEMESTER TOTALS	15.0
Second Semester			
Core	AGR-049	OSHA/Ag Mach Safety	1.0
Core	AGR-111	Intro to Agriculture Software	2.0
Core	AGR-123	Marketing of Ag Products	2.5
Core	AGR-051	Soil Fertility	2.5
Core	AGR-121	Farm Business Records	2.5
Ele	AGR-041	Supervised Occupational Exp I	3.5
Ele	--- ---	Career Elective	1.0
		SEMESTER TOTALS	15.0
		TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	AGR-042	Supervised Occupational Exp II	2.5
Ele	AGR-053	Integrated Pest Management	3.0
Ele	AGR-086	Adjusting New and Used Mach	2.5
Ele	AGR-090	Principles of Agri Mechanics	2.5
Ele	AGR-097	Planting and Tillage Equipment	3.0
Ele	AGR-120	Agriculture Economics	3.0
Ele	AGR-124	Farm Credit and Finance	2.0
Ele	AGR-151	GPS/Applications in Ag	3.0
Ele	AGR-152	Intensive Crop Scouting	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Christian Kessler
Faculty Email: ckessler6433@lakelandcollege.edu
Faculty Phone: 217-234-5327

DENTAL HYGIENE - TRACK

(AAS.DH.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Health Services

This program prepares the student for admission into the Dental Hygiene program (AAS.DH). Students in this track are advised to enroll in courses that need to be completed prior to admission into the Dental Hygiene program. They are also advised to enroll in courses that will increase their success rate once they have entered the program. Once accepted into the Dental Hygiene program, the student's major code will be changed to AAS.DH.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Elizabeth Hartrich
Faculty Email: ehartrich@lakelandcollege.edu
Faculty Phone: 217-234-5205

DENTAL HYGIENE

(AAS.DH) ASSOCIATE IN APPLIED SCIENCE
Area of Study - Health Services

The Associate Degree in the Dental Hygiene program is an intensive, two-year academic program that includes classroom skills, laboratory, and clinical experience in various dental health agencies. The student may apply to take the Central Regional Dental Testing Service (CRDTS) clinical examination and National Board Dental Hygiene Examination (NBDHE) in their final spring semester once approved by the Director of Dental Hygiene. Upon successful completion of these exams, the graduate may apply for their dental hygiene license. The student is awarded an Associate in Applied Science degree upon completion of the program; however, completion of the Dental Hygiene program does not guarantee dental hygiene licensure. The Illinois Department of Financial and Professional Regulation (IDFPR) may refuse to issue a license if a candidate has a criminal history. Please consult with the director of the Dental Hygiene Program to avoid license application hindrances.

Dental Hygiene prepares the student with specialized skills necessary for employment as a dental hygienist. Emphasis is placed on the performance of dental hygiene treatments, such as removal of calculus, stain and deposits from the teeth, prevention of oral disease, and the hygienist's role as a dental health educator. The hygienist's services are sought by dentists, schools, prisons, hospitals, health departments, and other industries. The Dental Hygiene program is fully accredited by the American Dental Association Commission on Dental Accreditation.

Applicants seeking admission into the Dental Hygiene program for the fall semester must have a completed dental hygiene application to the department by March 1, or the preceding business day if March 1 falls on the weekend. Applicants will be informed mid-April on the status of their candidacy. A student information packet may be obtained online. Students are selected using an objective formula approved by the Dental Hygiene department. This formula includes but is not limited to achievement in prerequisite courses, dental or dental assisting experience, grade point average, and prior enrollment at Lake Land College.

Admission Process

1. Have successfully completed college level Anatomy & Physiology I (BIO 225), Microbiology (BIO 235) and Chemistry (CHM 111) with a "C" (or a course deemed to be an equivalent) or better within the last five years.
2. Have completed college application, placement test measure(s), and have official high school and college transcripts sent to Lake Land College Admissions & Records.
3. Have completed Dental Hygiene Intent packet sent to the Dental Hygiene Office.
4. Completed applications will be evaluated by the Dental Hygiene Admissions Committee. Notification of acceptance will be provided to those individuals meeting the entrance criteria on a space available basis. Acceptance to the college does not ensure acceptance into the Dental Hygiene program.
5. All courses required for the Dental Hygiene program must be completed with a "C" or better and completed within the last five years.

Program Admitance Requirements

1. After acceptance into the program, a comprehensive physical examination is required.
2. After acceptance, a current Healthcare Provider CPR card is required throughout the tenure of the program.
3. After acceptance, certain Healthcare immunizations are strongly recommended for all entering students.
4. After acceptance, the student must achieve grades of "C" or better in all courses to remain enrolled.
5. After acceptance, the student must submit to a background check and to drug testing (approximate cost $140) per program policy.
6. A complete listing of Dental Hygiene Essential Functions can be found in the Student Handbook/Procedure Manual and Dental Hygiene application packet/information packet

Cost

In addition to tuition, lab fees, and service fees, students are expected to buy their uniforms (approximately $200), dental hygiene kits and magnification loupes (approximately $3,400), and pay for other incidental expenses. Special books and miscellaneous items average about $300 per semester. Licensing examinations and learning experiences off campus will be at the expense of the student.

ADDITIONAL INFORMATION ON NEXT PAGE

Program requirements may change over time. Specific degree/ graduation requirements are determined by a degree audit.

SPECIAL ADMISSION REQUIREMENTS

		Hours
Gen BIO-225	Human Anatomy and Physiology I *	4.0
Gen BIO-235	Microbiology *	4.0
Gen CHM-111	Concepts of Chemistry	4.0
	SEMESTER TOTALS	12.0

FIRST YEAR

First Semester		Hours
Gen BIO-226	Human Anatomy and Physiology II *	4.0
Core DHY-066	Dental Histology & Embryology	2.0
Core DHY-067	Dental Anatomy	2.0
Core DHY-068	Dental Hygiene I	3.0
Core DHY-069	Pre-Clinic Hyg I	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Core DHY-045	Radiology *	3.0
Core DHY-071	Dental Hygiene II *	3.0
Core DHY-072	Preclinical Hygiene II *	2.5
Core DHY-080	Pathology	3.0
	SEMESTER TOTALS	11.5
Summer Term		
Core DHY-081	Periodontology *	3.0
Core DHY-097	Head & Neck Anatomy *	2.0
Core DHY-083	Clinic I *	3.0
	SEMESTER TOTALS	8.0

SECOND YEAR

First Semester		Hours
Gen PSY-279	Human Dev/Life Span	3.0
Core DHY-085	Nutrition for the Dental Hygienist	2.0
Core DHY-087	Special Care Populations	2.0
Core DHY-088	Clinic II *	4.0
Core DHY-089	Dental Materials *	3.0
Core DHY-091	Pain Management *	2.0
Core DHY-096	Community Dental Health	1.5
	SEMESTER TOTALS	17.5
Second Semester		
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen SOC-280	Introduction to Sociology	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core DHY-086	Pharmacology	2.0
Core DHY-092	Dent Public Health	1.0
Core DHY-050	Ethics and Jurisprudence *	1.5
Core DHY-094	Clinic III *	4.0
Core DHY-098	Transition to a RDH *	1.5
	SEMESTER TOTALS	19.0
	TOTAL PROGRAM HOURS	82.0

SUGGESTED ELECTIVES

Ele DHY-043	Dental Hygiene Board Review	1.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Elizabeth Hartrich
Faculty Email: ehartrich@lakelandcollege.edu
Faculty Phone: 217-234-5205

DESKTOP PUBLISHING

(CRT.DPGD) CERTIFICATE

Area of Study - Information Technology

This certificate provides skills and knowledge to prepare students for entry level positions in the desktop publishing field. With a knowledge of desktop publishing software tools along with basic web technology and office software, graduates may fill various entry level positions in the desktop publishing field.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-088	Adobe Photoshop	3.0
Core CIS-092	Adobe Illustrator	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-160	Practical Software Applications	3.0
Ele --- ---	BUS, CIS or ITT Elective	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CIS-090	Adobe InDesign SP	3.0
Core ITT-053	Digital Media Arts * SP	3.0
Core CIS-051	Designing for the Web * SP	3.0
Ele --- ---	BUS, CIS or ITT Elective	6.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	30.0

SP Course only offered spring semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

DIESEL & AG POWER TECHNOLOGY

(AAS.AGPWR) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Agriculture

Diesel & Ag Power Technology Program is designed to develop the technical competency and professional level of entry-level diesel power equipment technicians. Training students to diagnose, service and maintain multiple diesel industry products using recommended procedures, special tools and technical information. The program includes training on Diesel Engines, Hydraulics, Electrical, Power Trains, Air Conditioning and Precision Planting technologies earning an Associate degree in Applied Science. Students also have the opportunity to earn while they learn through on-the-job training while on internships in multiple Diesel Career opportunities, such as Agriculture Equipment Dealers, Heavy Truck Dealers and the Industrial and Consumer Equipment Industry. Students must purchase hand tools necessary for use in this program. Students will also earn Certifications within the Kabota Tech Program as part of the Diesel & Ag Power Technology Program.

Note: Those students that are considering transferring to a university should contact their advisor as soon as possible.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core AGR-091	Hydraulics	3.0
Core AGR-080	Ignition & Electrical Systems	3.5
Core AGR-083	Small Engines	3.0
Gen TEC-048	Applied Shop Computations or	
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Core AGR-046	Introduction to Agricultural Occupations	1.0
	SEMESTER TOTALS	16.5
Second Semester		
Core AGR-092	Advanced Hydraulics	3.0
Core AGR-097	Planting and Tillage Equipment	3.0
Gen AGR-059	Ag Writing for Industry or	
Gen COM-111	Intro to Speech Communication or	
Gen ENG-121	Composition II *	3.0
Core AGR-041	Supervised Occupational Exp I	3.5
	SEMESTER TOTALS	12.5
Summer Term		
Core AGR-042	Supervised Occupational Exp II	2.5
Core AGR-094	Ag Machinery Air Conditioning	3.0
Core AGR-086	Adjusting New and Used Mach	2.5
	SEMESTER TOTALS	8.0

SECOND YEAR

First Semester		Hours
Core AGR-043	Supervised Occupational Experience III	3.0
Core AGR-087	Diesel Fuel Systems	3.0
Core AGR-088	Ag Trans & Power Trains	3.5
Gen SOS-052	Workplace Communication/Safety or	
Gen PSY-271	Introduction to Psychology	3.0
	SEMESTER TOTALS	12.5
Second Semester		
Core AGR-089	Tractor Overhaul	6.0
Core AGR-082	Advanced Electrical Systems	3.0
Gen POS-160	American National Government	3.0
Core AGR-044	Supervised Occupational Experience IV	3.5
	SEMESTER TOTALS	15.5
	TOTAL PROGRAM HOURS	65.0

SUGGESTED ELECTIVES

Ele AGR-111	Intro to Agriculture Software	2.0
Ele WLD-040	Welding Fundamentals	2.5
Ele CDL-043	Dual Credit CDL Theory	3.5
Ele CDL-090	Careers in CDL	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Ryan Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5208

DIESEL & AG POWER TECHNOLOGY

(CRT.AGPWR) CERTIFICATE

Area of Study - Agriculture

Agriculture Power Technology is designed to prepare students as technicians and parts counter clerks for agriculture machinery dealerships. The program develops the student's skills necessary to diagnose and repair diesel fuel systems, engines, transmissions and electrical systems of agricultural equipment. Students must purchase hand tools necessary for use in this program.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core AGR-091	Hydraulics	3.0
Core AGR-080	Ignition & Electrical Systems	3.5
Core AGR-040	Agricultural Mathematics	3.0
Core AGR-088	Ag Trans & Power Trains	3.5
Core AGR-083	Small Engines	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core AGR-097	Planting and Tillage Equipment	3.0
Core AGR-082	Advanced Electrical Systems	3.0
Core AGR-092	Advanced Hydraulics	3.0
Core AGR-041	Supervised Occupational Exp I	3.5
Ele --- ---	Career Elective	1.5
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	TEC-048	Applied Shop Computations	3.0
Ele	AGR-086	Adjusting New and Used Mach	2.5
Ele	AGR-089	Tractor Overhaul	6.0
Ele	AGR-094	Ag Machinery Air Conditioning	3.0
Ele	AGR-087	Diesel Fuel Systems	3.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Ryan Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5208

EARLY CHILDHOOD CARE AND EDUCATION

(AAS.ECE) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Education

The Early Childhood Care and Education program provides the academic background and practical experience necessary to operate a private, home day care and teach or direct in child care facilities. Additional employment opportunities include nursery schools, Head Start programs and paraprofessional teacher's aide in primary grades. The program is especially suited to individuals who enjoy working and teaching young children and to those having a caring and patient personality. A "C" average in required Early Childhood Care and Education core classes must be maintained by students prior to enrolling in ECE 125.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-100	Bio Science I or	
Gen BIO-120	Natural Science	3.0
Gen SOC-280	Introduction to Sociology or	
Gen SOC-290	Sociology of Family	3.0
Core ECE-100	Intro to Early Childhood Educ	3.0
Core ECE-110	Child Behavior Management	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen COM-111	Intro to Speech Communication	3.0
Gen ART-250	Understanding Art or	
Gen MUS-229	Understanding Music	3.0
Core EDU-190	Introduction/Special Education	3.0
Core ECE-102	Health/Safety/Nutri/Yng Child	3.0
Gen PSY-271	Introduction to Psychology or	
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen SOS-052	Workplace Communication/Safety	3.0
Gen PSY-274	Child Development	3.0
Core ECE-051	Infant/Toddler Environment	3.0
Core ECE-095	Creative Activities for Children	4.0
Core ECE-081	Early Childhood Clinical	1.0
	SEMESTER TOTALS	14.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Core PED-172	Bsc Act Elem/Sec Child	2.0
Core ECE-083	Instructional Methods	3.0
Core ECE-087	Organization/Mgt of Preschools	3.0
Core ECE-120	Field Experience Seminar *	1.0
Core ECE-125	Field Experience *	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

ELECTRONIC CONTROL TECHNICIAN

(CRT.ECT) CERTIFICATE

Area of Study - Manufacturing

This one year certificate program combines theory and hands-on-training with state-of-the-art instruments, working processes and computerized control systems. Students learn to use test equipment, calibrate and maintain instruments, and program Industrial PC's.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core EET-072	Relays and Control Circuits	2.0
Core APT-050	Electrical Principles/Practice	4.0
Gen ENG-050	Writing for Industry	3.0
Gen APT-041	Applied Mathematics I	3.0
Core EET-056	Electronic Circuit Design/Fabrication	3.0
Core EET-086	Prog Logic Controllers I *	2.0
	SEMESTER TOTALS	17.0
Second Semester		
Core APT-051	Solid State Devices & Applications	4.0
Core EET-075	HMI-Human Machine Interface	2.0
Core EET-087	Prog Logic Controllers II *	2.0
Core CAD-056	CAD I	2.0
Core EET-066	Network Pro	4.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	31.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

ELECTRONIC MARKETING

(CRT.EMKT) CERTIFICATE

Area of Study - Business Management

The certificate in Electronic Marketing trains students to effectively market an organization and its products through its website and digital media presence. The program will highlight strategies for drawing more traffic to a firm's website, increasing online revenues, and enhancing the organization's reputation. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in marketing or management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-099	Introduction to Web Technology	3.0
Core BUS-142	Introduction to Business	3.0
Core CIS-160	Practical Software Applications	3.0
Core BUS-247	Principles of Marketing	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core BUS-090	Prin of Retailing SU	3.0
Core BUS-091	Prin of Advertising SU	3.0
Core BUS-134	Principles of E-Marketing FA	3.0
Core ITT-071	Web Scripting I *	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	24.0

SU Course offered in summer term only
FA Course only offered fall semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

ELECTRONICS ENGINEERING TECHNOLOGY

(AAS.EET) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

The Electronic Engineering Technology program is designed to prepare the student for transfer to one of Indiana State University's or Southern Illinois University's electronic degree programs. Students completing the Electronic Engineering Technology degree program have the skills and knowledge to be employed in many different electronic fields. This program teaches a broad range of electronics such as radio frequency communication, microprocessors, digital and linear electronics.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit

FIRST YEAR

First Semester		Hours
Core APT-050	Electrical Principles/Practice	4.0
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core CAD-056	CAD I	2.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Core EET-056	Electronic Circuit Design/Fabrication	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core EET-076	Digital Logic	3.0
Core APT-051	Solid State Devices & Applications	4.0
Gen COM-111	Intro to Speech Communication	3.0
Gen MAT-132	Trigonometry *	3.0
Core CIS-156	Computer Logic	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Core ITT-070	Python	3.0
Core EET-072	Relays and Control Circuits	2.0
Core EET-086	Prog Logic Controllers I *	2.0
Gen PHY-130	College Physics I *	4.0
Core EET-081	Physical Computing	3.0
Ele --- ---	Transfer Elective	1.0
	SEMESTER TOTALS	15.0
Second Semester		
Core EET-066	Network Pro	4.0
Core EET-085	STEM Projects *	2.0
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
Ele PHY-131	College Physics II *	4.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele IND-044	Fluid Power	3.0
Ele MAT-241	Analytical Geometry and Calculus I *	5.0
Ele ANT-200	General Anthropology	3.0
Ele TEC-043	Industrial Safety	1.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

ELECTRONICS SYSTEMS TECHNOLOGY

(AAS.EETES) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

The Electronics and Computer Technology program prepares the student for employment in the electronic and computer fields of choice utilizing a hands-on approach. The graduate may chose classes in the electronics fields of computers, networking, telecommunications or manufacturing. Electronics and Computer Technology applies knowledge by assisting electronics engineers, performing test on new equipment designs and doing field service work or performing maintenance and repair on sophisticated electronic systems such as robotics, computers and industrial controls.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core CAD-056	CAD I	2.0
Core APT-050	Electrical Principles/Practice	4.0
Core EET-056	Electronic Circuit Design/Fabrication	3.0
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * or	
Gen APT-041	Applied Mathematics I	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen APT-042	Applied Mathematics II * and	
Gen APT-043	Applied Mathematics III * or	
Gen MAT-132	Trigonometry *	3.0
Gen ENG-050	Writing for Industry or	
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core CIS-156	Computer Logic	3.0
Core EET-076	Digital Logic	3.0
Core APT-051	Solid State Devices & Applications	4.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Gen --- ---	Social/Behavioral Science Elective or	
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
Core EET-048	Digital Circuits *	3.0
Core EET-072	Relays and Control Circuits	2.0
Core EET-086	Prog Logic Controllers I *	2.0
Core EET-081	Physical Computing *	3.0
Ele --- ---	Career Elective	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core EET-066	Network Pro	4.0
Core EET-085	STEM Projects *	2.0
Core EET-057	Computer Systems	3.0
Ele --- ---	Career Elective	4.0
	SEMESTER TOTALS	13.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele CIS-079	Client Operating System	3.0
Ele CIS-084	Server Operating Systems *	3.0
Ele CIS-095	Database Management *	3.0
Ele CIS-156	Computer Logic	3.0
Ele EET-088	Residential Wiring	2.0
Ele TEC-063	Electric Power Distribution *	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

EMERGENCY MEDICAL SERVICES

(NDP.EMS) CERTIFICATE

Area of Study - Health Services

Overview The certificate in Emergency Medical Services includes classroom, skills laboratory, hospital, and field clinical experiences. Upon successful completion of the program and will be eligible to take the National Registry of Emergency Medical Technicians examination. Students must be 18 years of age within one year of program completion to be eligible to take the National Registry of Emergency Medical Technicians exam. This program is not financial aid eligible.

Completion of the certificate in Emergency Medical Services does not guarantee licensure. There are some specific conditions for which the National Registry of Emergency Medical Technicians or the Illinois Department of Public Health (IDPH) may refuse licensure. Please consult with the Emergency Medical Services Programs Director to avoid license application hindrances.

Program graduates are prepared for career opportunities in the field of emergency medical services, including urban and rural ambulance services and/or fire departments, industrial settings and clinical settings.

Enrollment Requirements

All students planning to enroll in NDP.EMS courses (EMS 047, EMS 048, and EMS 049) must meet the following enrollment requirements:

- Submit an appropriate Reading Placement Score:
  - Minimum required for registration: ACT-12, SAT-361, or ACCUPLACER-223.
  - Students with an ACT score of 0-11, a SAT score of 200-361, or an ACCUPLACER score of 222 or less will be required to take the Michigan English Placement Test (MEPT).
  - Students may take/retake the ACCUPLACER to earn a higher score.
- Background Check
  - In accordance with our clinical affiliation agreement a criminal background check must be completed and results received for the student to attend any work-based learning experiences. Students will complete this background check on-line through Bushue Background Screening at the student's expense.

Clinical Health Requirements

All students enrolled in the NDP.EMS courses (EMS 047, EMS 048 and EMS 049) must meet the following clinical requirements:

- Background Check
  - In accordance with the program's clinical affiliation agreements, a criminal background check must be completed and results received for the student to attend any work-based learning experiences. Students will complete this background check online through Bushue Background Screening at the student's expense.
  - In accordance with the program's clinical affiliation agreements, a 10-12 panel drug screening must be completed, and negative results must be received for the student to attend any work-based learning experiences.
- Health requirements before the start of the clinical experience:
  - Current BLS provider CPR through American Heart Association

ADDITIONAL INFORMATION ON NEXT PAGE

- 2-step TB test or QuantiFERON blood draw within the last 4 months
- Verification or titters for the following immunizations: MMR, Hep-B, and Varicella
- Tetanus vaccination (within the last 10 years)
- Physical Exam
- Respirator Clearance Form (to be completed by a healthcare provider)

Additional clinical health requirements may be added at any time, as dictated by the federal or state government agencies, IDPH or the applicable clinical facility.

English as Second Language Students

Clear communication is vital to student success and patient safety. Per the National Registry of Emergency Medical Technicians' Administrative policy, the EMT candidate must be able to speak and understand English, as all exams are offered only in English. Please contact Adult Education, adulteducation@lakelandcollege.edu for additional support in this area.

Course Descriptions

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

EMS 047: Fundamentals of EMS: This course is a 90-hour lecture course that provides the student with an understanding of his/her roles and responsibilities within the EMS system, including operations, patient assessment and emergency medical care.

EMS 048: This course provides the student with 44 hours of lab experience to learn and practice skills to gain an understanding of his/her roles and responsibilities within the EMS system, including operations, patient assessment and emergency medical care.

EMS 049: This course provides 50 hours of work-based learning instruction in EMS in hospital and pre-hospital settings.

Program requirements may change over time. Specific degree

SPECIAL ADMISSION REQUIREMENTS		
		Hours
Core	EMS-047 Fundamentals of EMS *	6.0
Core	EMS-048 Basic EMS Care Skills *	1.0
Core	EMS-049 EMS Clinical Experience *	0.5
	SEMESTER TOTALS	7.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

ENTREPRENEURSHIP

(NDP.ENTRE) CERTIFICATE

Area of Study - Business Management

This program prepares students for ownership of their own business. Courses have been carefully chosen to give the student the solid informational base needed to succeed in business ownership. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core	BUS-251 Principles of Management or	
Core	BUS-290 Human Resource Management	3.0
Core	BUS-089 Small Business Management	3.0
Core	BUS-090 Prin of Retailing SU	3.0
Core	BUS-200 Legal Environ/Business	3.0
Core	BUS-095 Fundamentals of Accounting or	
Core	BUS-096 Federal Tax Accounting	3.0
Core	BUS-247 Principles of Marketing	3.0
	SEMESTER TOTALS	18.0
	TOTAL PROGRAM HOURS	18.0

SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

ESTHETICS

(CRT.ESTH) CERTIFICATE

Area of Study - Public Services

The Esthetics program meets the Illinois Department of Professional Regulation standard requirements pertaining to faculty qualifications, equipment, facilities, course content and contact hours. A total of 750 consecutive hours is required for completion of the program. In addition to tuition and service fees, Esthetic students will purchase uniforms, an esthetics kit and workbooks. To secure a state license as an esthetician, each student is required to take a written Illinois state board examination upon completion of the curriculum.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core COS-061	Computer Appl for Cosmetology	3.0
Core EST-041	Esthetics I FA	6.5
Core EST-042	Esthetics II * FA	6.5
	SEMESTER TOTALS	16.0
Second Semester		
Core EST-043	Esthetics III * SP	6.0
Core EST-044	Esthetics IV * SP	6.0
Core COS-060	Salon Management	3.0
	SEMESTER TOTALS	15.0
Summer Term		
Core EST-045	Esthetics V * SU	6.0
	SEMESTER TOTALS	6.0
	TOTAL PROGRAM HOURS	37.0

FA Course only offered fall semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kambri Hinds
Faculty Email: khinds4602@lakelandcollege.edu
Faculty Phone: 217-234-5343

EXTERIOR FRAMING

(CRT.BCTE) CERTIFICATE

Area of Study - Architecture & Construction

This certificate prepares students for entry-level work in residential framing and exterior construction. Through hands-on courses, students learn to use tools, safely form and pour concrete, frame walls and roofs, install doors and roofing and construct decks and other structures. Additional coursework in construction math, blueprint reading, CAD and architectural drafting builds a strong foundation for jobsite accuracy and productivity. Future graduates are employed in the construction industry as framers, laborers, window and siding installers, roofers, drafting assistants and remodelers. When combined with work experience, the possibilities are endless.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core APT-041	Applied Mathematics I	3.0
Core BCT-045	Plans and Specifications	3.0
Core BCT-047	Groundwork: Tools to Concrete	2.0
Core BCT-057	Framework: Walls to Rafters *	2.0
Core CAD-056	CAD I	2.0
Core CIS-068	Computer Appl-Special Topics	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core BCT-063	Architectural Drafting *	3.0
Core BCT-067	Ext Finish: Doors to Shingles	2.0
Core BCT-077	Outbuildings: Decks to Sheds *	2.0
Ele --- ---	Career Elective	3.0
	SEMESTER TOTALS	10.0
	TOTAL PROGRAM HOURS	24.0

SUGGESTED ELECTIVES			
Ele	BCT-075	Carpentry SOE	2.5
Ele	BCT-078	Architectural SOE	0.5
Ele	BCT-099	The Basics of Plumbing	2.0
Ele	BUS-089	Small Business Management	3.0
Ele	CAD-057	CAD II *	3.0
Ele	CET-054	Soils + Aggregates *	4.0
Ele	CET-056	PCC Theory and Design	2.0
Ele	CET-060	Surveying I	3.0
Ele	ECO-231	Principles of Economics I (Macro)	3.0
Ele	EET-088	Residential Wiring	2.0
Ele	EET-099	Electric Code Fundamentals	2.0
Ele	SFS-150	Money Management Strategies	3.0
Ele	SOS-052	Workplace Communication/Safety	3.0
Ele	TEC-043	Industrial Safety	1.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kurt Hoene
Faculty Email: khoene2@lakelandcollege.edu
Faculty Phone: 217-234-5421

FIRE SCIENCE MANAGEMENT - TRACK

(CRT.FSM.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Public Services

The certificate program in Fire Science Management is a two year certificate that will prepare the working fire fighter for advancement in their career. This coursework meets the requirements of and is approved by Illinois State Fire Marshall's office. The fire science courses are needed prior to starting the task book for either Basic Company Fire Officer or Advanced Company Fire Officer. Fire Science Management students must be actively serving on a fire department.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

FIRE SCIENCE MANAGEMENT

(AAS.FSM) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Public Services

The associate degree in Fire Science Management is a 2-year degree that prepares the working firefighter for career advancement. This coursework meets the requirements of and is approved by Illinois State Fire Marshall's office. The fire science courses are needed prior to starting the task book for either Basic Company Fire Officer or Advanced Company Fire Officer.

Fire Science Management students must be actively serving on a fire department and has oversight by a current fire chief. For more information about qualifying for the Fire Science program, contact the Director of Emergency Services Programs at healthmajors@lakelandcollege.edu."

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core FST-090	Basic Fire Officer *	7.0
Core CIS-160	Practical Software Applications	3.0
Gen BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	14.0

Second Semester		
Core FST-082	Fire Service Instructor I	3.0
Core FST-080	Haz Mat Awareness and Ops *	3.0
Ele --- ---	Elective	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core BUS-095	Fundamentals of Accounting	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core FST-091	Advanced Company Officer *	8.0
Gen PSY-279	Human Dev/Life Span	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen BUS-094	Business Math	3.0
	SEMESTER TOTALS	17.0

Second Semester		
Core FST-083	Fire Instructor II *	3.0
Core FST-081	Fire Strategy and Tactics	3.0
Gen PHI-280	Ethics	3.0
Core BUS-290	Human Resource Management	3.0
Gen HED-290	Disease Processes *	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	61.0

SUGGESTED ELECTIVES

Ele EMS-047	Fundamentals of EMS *	6.0
Ele EMS-048	Basic EMS Care Skills *	1.0
Ele EMS-049	EMS Clinical Experience *	0.5
Ele BUS-221	Financial Accounting *	3.0
Ele ENG-121	Composition II *	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

FIRE SCIENCE MANAGEMENT

(CRT.FSM) CERTIFICATE

Area of Study - Public Services

The certificate program in Fire Science Management is a 2-year certificate that prepares the working firefighter for advancement in their career. This coursework meets the requirements of and is approved by Illinois State Fire Marshall's office. The fire science courses are needed prior to starting the task book for either Basic Company Fire Officer or Advanced Company Fire Officer.

Fire Science Management students must be actively serving on a fire department and has oversight by a current fire chief. For more information about qualifying for the Fire Science program, contact the Director of Emergency Services Programs at healthmajors@lakelandcollege.edu."

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core FST-090	Basic Fire Officer *	7.0
Core CIS-160	Practical Software Applications	3.0
	SEMESTER TOTALS	10.0
Second Semester		
Core FST-082	Fire Service Instructor I	3.0
Core FST-080	Haz Mat Awareness and Ops *	3.0
	SEMESTER TOTALS	6.0

SECOND YEAR		
First Semester		Hours
Core FST-091	Advanced Company Officer *	8.0
	SEMESTER TOTALS	8.0
Second Semester		
Core FST-083	Fire Instructor II *	3.0
Core FST-081	Fire Strategy and Tactics	3.0
	SEMESTER TOTALS	6.0
	TOTAL PROGRAM HOURS	30.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

HEATING, VENTILATING, AIR CONDITIONING AND REFRIGERATION

(CRT.HVAC) CERTIFICATE

Area of Study - Architecture & Construction

This program prepares students to gain entry level employment in this industry. Students learn skills in installation, repair, and maintenance of commercial and residential heating and cooling units.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core HVC-062	Intro to HVACR Electricity	5.0
Core IND-043	Refrigeration Fundamentals	3.0
Core HVC-066	Refrigeration II *	4.0
	SEMESTER TOTALS	15.0
Second Semester		
Core HVC-068	Air Conditioning I *	3.0
Core HVC-070	Air Conditioning II *	5.0
Core HVC-072	Heat Generating Systems *	5.0
Core HVC-076	Heat Pumps	2.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	30.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Joseph Hoenes
Faculty Email: jhoenes2@lakelandcollege.edu
Faculty Phone: 217-234-5566

HORTICULTURE

(CRT.HRT) CERTIFICATE
Area of Study - Agriculture

The Horticulture certificate is designed for students seeking educational training and employment in the industries of landscaping, greenhouse management, plant propagation, nursery management, golf course management and turf grass management. In addition to 33 credit hours of specialized courses in horticulture, business and soil science, students will receive 12 weeks of supervised occupational experience at approved internship locations.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core HRT-201	Introduction to Horticulture	3.0
Core HRT-076	Greenhouse Mgt and Production or	
Core HRT-061	Woody Plants Identification	3.0
Core HRT-082	Landscape Construction & Maint or	
Core HRT-071	Herbaceous Perennial Plants	3.0
Gen AGR-040	Agricultural Mathematics	3.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
	SEMESTER TOTALS	15.5
Second Semester		
Core HRT-063	Evergreen/Vines & Ground Cover or	
Core HRT-081	Landscape Design	3.0
Core HRT-072	Annual Flowering Plants or	
Core HRT-062	Vegetable Crop Production	3.0
Core HRT-091	Supervised Occupational Experience I	3.5
Core AGR-133	Agriculture Salesmanship	2.5
	SEMESTER TOTALS	12.0
Summer Term		
Core HRT-092	Supervised Occupational Experience II	2.5
	SEMESTER TOTALS	2.5
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES		
Ele	HRT-066 Turf Management	3.0
Ele	HRT-067 Indoor Plants-Growth & Care	2.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Dyke Barkley
Faculty Email: dbarkley@lakelandcollege.edu
Faculty Phone: 217-234-5569

HORTICULTURE PRODUCTION & LANDSCAPE

(AAS.HRT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Agriculture

The Horticulture degree is for students seeking advanced training within the green industry including greenhouse management, golf course management, landscape design, nursery management, and landscape construction. The 20 weeks of internship allow the student to specialize within the production or landscape areas.

Note: Those students that are considering transferring to a university should contact their advisor as soon as possible.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core HRT-201	Introduction to Horticulture	3.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
Core HRT-076	Greenhouse Mgt and Production	3.0
Core HRT-082	Landscape Construction & Maint	3.0
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
	SEMESTER TOTALS	15.5
Second Semester		
Core HRT-063	Evergreen/Vines & Ground Cover	3.0
Core HRT-072	Annual Flowering Plants	3.0
Ele --- ---	Career Elective	2.0
Core AGR-112	Computer Applic/Agriculture or	
Core AGR-111	Intro to Agriculture Software	2.0
Core HRT-091	Supervised Occupational Experience I	3.5
	SEMESTER TOTALS	13.5
Summer Term		
Core AGR-207	Intro/Ag Economics or	
Core AGR-120	Agriculture Economics	3.0
Core HRT-092	Supervised Occupational Experience II	2.5
	SEMESTER TOTALS	5.5

SECOND YEAR

First Semester		Hours
Core HRT-071	Herbaceous Perennial Plants	3.0
Core HRT-061	Woody Plants Identification	3.0
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-130	Environmental Science or	
Gen BIO-100	Bio Science I or	
Gen CHM-120	General, Organic and Biochemistry I	4.0
Core HRT-066	Turf Management	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core HRT-081	Landscape Design	3.0
Core HRT-062	Vegetable Crop Production	3.0
Core HRT-093	Supervised Occupational Experience III	3.0
Gen SOS-052	Workplace Communication/Safety or	
Gen PSY-271	Introduction to Psychology or	
Gen POS-160	American National Government	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	65.5

SUGGESTED ELECTIVES

Ele AGR-133	Agriculture Salesmanship	2.5
Ele AGR-132	Retailing/Agri Supplies	2.0
Ele AGR-051	Soil Fertility	2.5
Ele AGR-053	Integrated Pest Management	3.0
Ele AGR-141	Introduction to Agroecology	3.0
Ele AGR-143	Organic Crop Production	3.0
Ele AGR-145	Biological Pest Management	3.0
Ele AGR-083	Small Engines	3.0
Ele HRT-083	Landscape Design II-Layout/Graphics	3.0
Ele HRT-067	Indoor Plants-Growth & Care	2.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Dyke Barkley
Faculty Email: dbarkley@lakelandcollege.edu
Faculty Phone: 217-234-5569

HUMAN SERVICES

(AAS.HSP) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Public Services

The Human Services degree is designed for students interested in assisting individuals in need. Graduates can work at agencies that provide services such as substance abuse, mental health, developmental disabilities, child welfare, domestic violence, residential, sexual assault, financial assistance, homelessness, schools, prisons, food assistance and aging services, etc. Classroom training and field experience prepare graduates of the Human Service program to provide greatly needed services to people who require assistance. Upon completion of this program, students can go either go directly to work or transfer to a 4-year university.

The Human Services student has the opportunity to choose from Nonprofit Leadership, Health Promotion and Recovery Counseling.

To be eligible for internships, Human Services Internship 1 (HSP 108) and Human Services Internship 2 (HSP 109), the following must be completed: 30 semester hours of the required curriculum, Foundations of Human Services (HSP 103) and Intro to Social Work (HSP 120) and have a 2.0 GPA.

This program of study can lead to a bachelor's degree in human services, psychology, health promotion and social work. Students should consult with an advisor during their first year regarding specific transfer curricula and elective course work to facilitate a transfer.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core HSP-103	Foundations of Human Services	3.0
Core HSP-120	Introduction to Social Work	3.0
Core --- ---	Area of Concentration	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II * or	
Gen COM-111	Intro to Speech Communication	3.0
Gen MAT-124	Statistics Pathway * or	
Gen MAT-125	Statistics * or	
Gen --- ---	IAI Mathematics *	3.0
Core --- ---	Area of Concentration	6.0
Ele --- ---	Elective	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core HSP-108	Human Services Internship 1	3.0
Core --- ---	Area of Concentration	6.0
Gen --- ---	IAI Physical/Life Science	3.0
Ele --- ---	Elective	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core HSP-109	Human Services Internship 2	3.0
Core --- ---	Area of Concentration	6.0
Ele --- ---	Elective	6.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	60.0

AREA OF CONCENTRATION: RECOVERY COUNSELING

Core HSP-165	Intro to Substance Disorders	3.0
Core HSP-166	Diversity in Addiction	3.0
Core HSP-167	Substance Use Treatment	3.0
Core HSP-169	Pharmacology and Substance Use	3.0
Core HSP-111	Recovery Counseling Internship	3.0
Core HSP-201	Intro to Counseling Skills	3.0
Core PSY-279	Human Development - Life Span	3.0

ADDITIONAL INFORMATION ON NEXT PAGE

AREA OF CONCENTRATION: NONPROFIT LEADERSHIP		
Core BUS-141	Business Communications	3.0
Core BUS-285	Labor Relations	3.0
Core BUS-290	Human Resource Management	3.0
Core COM-111	Intro to Speech Communication	3.0
Core ENG-121	Composition II *	3.0
Core HSP-201	Intro to Counseling Skills	3.0
Core HSP-206	Introduction to Grant Writing	3.0
AREA OF CONCENTRATION: HEALTH PROMOTION		
Core ECE-102	Health/Safety/Nutri/Yng Child	3.0
Core HED-102	Nutrition	3.0
Core HED-200	Principles of Health	3.0
Core HED-270	Community Health	3.0
Core HED-272	Health Citizenship	3.0
Core HED-290	Disease Processes *	3.0
Core PED-285	Fitness for Life	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Madison Dailey
Faculty Email: mdailey@lakelandcollege.edu
Faculty Phone: 217-234-5361

INDUSTRIAL MAINTENANCE

(CRT.INDMT) CERTIFICATE

Area of Study - Manufacturing

This program prepares the student for entry level into the field of industrial maintenance. Emphasis is placed on machining, hydraulics, pneumatics, industrial safety, electric motors, residential wiring and light commercial wiring, and variable frequency drives. Nationwide, the industry needs skilled maintenance technicians (based on the Dept of Labor statistics 2023). For a person with training in industrial maintenance finding work locally is not a problem.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core TEC-040	Print Reading for Industry	2.0
Core TEC-043	Industrial Safety	1.0
Core MTT-050	Intro to Machining Procedures	3.0
Core APT-050	Electrical Principles/Practice	4.0
Core WLD-040	Welding Fundamentals	2.5
Core IND-044	Fluid Power	3.0
	SEMESTER TOTALS	15.5
Second Semester		
Core EET-088	Residential Wiring	2.0
Core MET-043	Motors and Generators	2.5
Core APT-047	Electrical System Install I	1.0
Core IND-043	Refrigeration Fundamentals	3.0
Core EET-072	Relays and Control Circuits	2.0
Core PLC-051	Variable Frequency Drive Sys. *	1.0
Core APT-041	Applied Mathematics I	3.0
	SEMESTER TOTALS	14.5
	TOTAL PROGRAM HOURS	30.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kris Kersey
Faculty Email: kkersey@lakelandcollege.edu
Faculty Phone: 217-234-5304

INFORMATION TECHNOLOGY

(AAS.IT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Information Technology

The Information Technology degree is designed to prepare graduates for a broad range of IT-related careers. The program consists of general education classes, core IT classes that span the range of vocations in the area and specialized classes that dive deep into one of several targeted IT areas. All students begin with general knowledge IT classes then choose an area of concentration. Areas of concentration include: Programming, Web Design and Digital Media, Network Administration, Game Development and Computer Applications. Additionally, the electives list is provided below the concentrations. It is recommended that those courses are taken in the order presented, but an advisor will help students find the best elective. When completed, the student will be knowledgeable in all areas of IT and will have employable skills in at least one specialization. This degree can also be combined with a number of IT certificates to expand proficiency and increase employability.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core CIS-160	Practical Software Applications	3.0
Core ITT-051	Special Topics in IT	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-156	Computer Logic	3.0
Ele --- ---	BUS, CIS or ITT Elective	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core ITT-052	Content Management Systems	3.0
Ele --- ---	Area of Concentration	6.0
Gen BUS-094	Business Math or	
Gen MAT-1--	Math Elective *	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I * or	
Gen BUS-141	Business Communications	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core ITT-060	Project Management	3.0
Ele --- ---	Area of Concentration	6.0
Ele --- ---	BUS, CIS or ITT Elective *	3.0
Gen COM-111	Intro to Speech Communication	3.0
Gen --- ---	Social Science Elective	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Core BUS-079	Professional Development	3.0
Ele --- ---	Area of Concentration	6.0
Ele --- ---	BUS, CIS or ITT Elective *	3.0
Gen --- ---	Social Science Elective or	
Gen --- ---	Art Elective	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	62.0

SUGGESTED ELECTIVES

Ele CIS-071	Introduction to Networking	2.0
Ele ITT-090	IT Internship	2.0
Ele ITT-076	Intro to OS and Security	3.0
Ele CIS-095	Database Management	3.0
Ele ITT-063	Innovation I	3.0
Ele CIS-062	Computer Game Development	3.0
Ele CIS-063	3-D Computer Animation	3.0
Ele ITT-053	Digital Media Arts	3.0
Ele BUS-142	Introduction to Business	3.0
Ele CIS-056	Advanced Software Applications *	3.0
Ele CIS-088	Adobe Photoshop	3.0

ADDITIONAL INFORMATION ON NEXT PAGE

Ele	CIS-098	Advanced Desktop Skills *	3.0
Ele	BUS-086	Statistics for Business	3.0
AREA OF CONCENTRATION: COMPUTER APPLICATIONS			
Ele	BUS-113	Keyboarding	3.0
Ele	CIS-055	Word	2.0
Ele	CIS-094	Excel	2.0
Ele	CIS-093	Access	2.0
Ele	CIS-088	Adobe Photoshop	3.0
Ele	CIS-056	Advanced Software Applications *	3.0
Ele	BUS-134	Principles of E-Marketing	3.0
AREA OF CONCENTRATION: NETWORK ADMINISTRATION			
Ele	ITT-076	Intro to OS and Security	3.0
Ele	CIS-079	Client Operating System	3.0
Ele	CIS-081	Networking Essentials	3.0
Ele	CIS-070	Network Security	3.0
Ele	CIS-084	Server Operating Systems	3.0
Ele	CIS-073	Survey of Operating Systems	3.0
AREA OF CONCENTRATION: PROGRAMMING			
Ele	ITT-070	Python	3.0
Ele	MAT-160	Computer Science I *	3.0
Ele	CIS-095	Database Management	3.0
Ele	ITT-071	Web Scripting I	3.0
Ele	ITT-072	Web Scripting II *	3.0
Ele	ITT-083	Systems Design *	3.0
AREA OF CONCENTRATION: GAME DEVELOPMENT			
Ele	CIS-062	Computer Game Development	3.0
Ele	CIS-063	3-D Computer Animation	3.0
Ele	ITT-053	Digital Media Arts	3.0
Ele	ITT-066	Indie Game Development Lab	3.0
Ele	CIS-069	Cross Platform Game Development	3.0
Ele	CIS-065	Advanced Game Development	3.0
AREA OF CONCENTRATION: WEB DESIGN			
Ele	CIS-051	Designing for the Web	3.0
Ele	ITT-053	Digital Media Arts	3.0
Ele	CIS-088	Adobe Photoshop	3.0
Ele	CIS-090	Adobe InDesign	3.0
Ele	CIS-092	Adobe Illustrator	3.0
Ele	ITT-071	Web Scripting I	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

IT-COMPUTER APPLICATIONS

(CRT.ITAPS) CERTIFICATE

Area of Study - Information Technology

The certificate in Computer Applications lays the foundation for entry level work as a help desk assistant or computer user. The course work is spread among the various information technology concentrations and allows for future completion of any of the IT degrees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core BUS-141	Business Communications	3.0
Core CIS-160	Practical Software Applications	3.0
Core CIS-071	Introduction to Networking FA SU	2.0
Core CIS-101	Internet Systems and Applications	2.0
Core CIS-099	Introduction to Web Technology	3.0
Core BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Ele --- ---	BUS, CIS or ITT Elective *	14.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	30.0

FA Course only offered fall semester
SU Course offered in summer term only
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Angela Davison
Faculty Email: adavison@lakelandcollege.edu
Faculty Phone: 217-234-5414

IT-COMPUTER APPLICATIONS SPECIALIST

(NDP.CMPAP) CERTIFICATE

Area of Study - Information Technology

This certificate provides the student with the theory and the practical applications of computers relating to both business areas and personal uses. Hands-on training is emphasized. Students seeking this certificate may do so for entry level skills needed to work with existing software or for personal applications.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR			
First Semester			Hours
Core	BUS-141	Business Communications	3.0
Core	CIS-160	Practical Software Applications	3.0
Ele	--- ---	CIS or ITT Elective	12.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	18.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Angela Davison
Faculty Email: adavison@lakelandcollege.edu
Faculty Phone: 217-234-5414

IT-COMPUTER GAME DEVELOPMENT

(CRT.ITGD) CERTIFICATE

Area of Study - Information Technology

The certificate in Computer Game Development trains students in all phases of the game development process. Coursework includes design, programming, 2D and 3D animation and art. The certificate allows for some flexibility to add other specialty classes as well.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-156	Computer Logic	3.0
Core CIS-062	Computer Game Development FA	3.0
Core CIS-063	3-D Computer Animation SP	3.0
Core ITT-053	Digital Media Arts SP	3.0
Ele --- ---	CIS or ITT Elective	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core ITT-066	Indie Game Development Lab SP	3.0
Core MAT-160	Computer Science I * or	
Core ITT-070	Python	3.0
Core CIS-065	Advanced Game Development *	3.0
Core CIS-069	Cross Platform Game Development SU	3.0
Core ITT-050	IT Game Development Cert Internship *	1.0
Ele --- ---	CIS or ITT Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	ITT-063	Innovation I	3.0
Ele	ITT-064	Innovation II	3.0
Ele	CIS-066	Digital Video Production	3.0
Ele	ITT-068	Digital Video Effects	3.0

FA Course only offered fall semester
SP Course only offered spring semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

IT-DIGITAL MEDIA SPECIALIST

(CRT.ITDMS) CERTIFICATE

Area of Study - Information Technology

The certificate in Digital Media trains a student to work at the nexus of web development, movie production and broadcast TV production. The skills required for complete development of a video production from concept to completed broadcast over the air or on the web will be covered.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core COM-180	Basic TV Production FA	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-066	Digital Video Production FA	3.0
Core ITT-053	Digital Media Arts SP	3.0
Ele --- ---	CIS or ITT Elective	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CIS-067	Advanced Digital Video Production *	3.0
Core CIS-063	3-D Computer Animation SP	3.0
Core ITT-048	IT Digital Media Certificate Internship *	1.0
Core ITT-068	Digital Video Effects *	3.0
Core CIS-049	Content Management Systems	2.0
Ele --- ---	CIS or ITT Elective	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	31.0

SUGGESTED ELECTIVES			
Ele	ITT-063	Innovation I	3.0
Ele	ITT-064	Innovation II	3.0
Ele	CIS-066	Digital Video Production	3.0
Ele	ITT-068	Digital Video Effects	3.0

FA Course only offered fall semester
SP Course only offered spring semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

IT-GRAPHIC DESIGN

(AAS.DPGD) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Information Technology

This program is designed to prepare graduates for careers requiring a solid knowledge of graphic design skills. Emphasis is placed on current graphic arts software for print and web page design techniques combined with marketing and the latest office technology trends. Students will design and create artwork for commercial publication and see the process through to print. Students may fill various positions as full-time graphic designers, desktop publishers, pre-press operators, or positions involving a blend of administrative office duties and graphic designing. Some students succeed as freelancers and open their own businesses.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core CIS-088	Adobe Photoshop	3.0
Core CIS-092	Adobe Illustrator	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-094	Business Math or	
Gen MAT-090	Math for Computer Applications	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CIS-090	Adobe InDesign SP	3.0
Core ITT-053	Digital Media Arts * SP	3.0
Core CIS-051	Designing for the Web * SP	3.0
Core BUS-247	Principles of Marketing	3.0
Gen BUS-141	Business Communications or	
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core CIS-098	Advanced Desktop Skills * FA	3.0
Core CIS-056	Advanced Software Applications * FA	3.0
Core CIS-058	Specialized Software Applications * FA	3.0
Core ITT-052	Content Management Systems * FA	3.0
Core BUS-114	Advanced Formatting *	3.0
Gen ART-250	Understanding Art or	
Gen ART-110	2-D Design	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Core BUS-060	Automated Ofc Procedures * SP	3.0
Core BUS-079	Professional Development SP	3.0
Core CIS-047	Graphic Design Capstone * SP	3.0
Gen ENG-095	Business English or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen SOC-280	Introduction to Sociology or	
Gen PSY-271	Introduction to Psychology	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	63.0

FA Course only offered fall semester
SP Course only offered spring semester
* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

IT-NETWORK ADMINISTRATION

(CRT.ITNET) CERTIFICATE

Area of Study - Information Technology

The certificate in Network Administration lays the foundation for entry level work as a network technician or PC technician. The course work is spread among the various information technology concentrations and allows for future completion of any of the IT degrees without complications. The certificate is excellent for supplementing another associate degree.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-160	Practical Software Applications	3.0
Core CIS-156	Computer Logic	3.0
Core CIS-079	Client Operating System SP	3.0
Core CIS-073	Survey of Operating Systems	3.0
Ele --- ---	CIS or ITT Elective	2.0
	SEMESTER TOTALS	14.0
Second Semester		
Core CIS-081	Networking Essentials	3.0
Core CIS-084	Server Operating Systems FA	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core EET-060	Computer Hardware or	
Core ITT-063	Innovation I	3.0
Core ITT-042	IT Net Admin Cert Internship	1.0
Ele --- ---	CIS or ITT Elective	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	30.0

SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

SUGGESTED ELECTIVES			
Ele	ITT-064	Innovation II	3.0
Ele	CIS-063	3-D Computer Animation	3.0
Ele	CIS-066	Digital Video Production	3.0
Ele	ITT-068	Digital Video Effects	3.0
Ele	CIS-062	Computer Game Development	3.0
Ele	ITT-066	Indie Game Development Lab	3.0
Ele	CIS-069	Cross Platform Game Development	3.0

IT-PROGRAMMING

(CRT.ITPROG) CERTIFICATE

Area of Study - Information Technology

The certificate in IT-Programming lays the foundation for an entry-level career in a software development related job. The certificate is an excellent supplement for any IT program and can be applied toward completing other Information Technology degrees. The coursework provides the training for using technologies essential for software development, including front end and back end programming languages, version control, database management, web application development and project management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-156	Computer Logic	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-095	Database Management	3.0
Core CIS-049	Content Management Systems * SP	2.0
Core CIS-160	Practical Software Applications *	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Core ITT-070	Python	3.0
Core MAT-160	Computer Science I * or	
Core CIS-062	Computer Game Development	3.0
Core ITT-071	Web Scripting I	3.0
Core CIS-060	Project Management	2.0
Ele --- ---	CIS or ITT Elective	5.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	CIS-062	Computer Game Development	3.0
Ele	ITT-066	Indie Game Development Lab	3.0
Ele	CIS-069	Cross Platform Game Development	3.0
Ele	ITT-076	Intro to OS and Security	3.0
Ele	CIS-088	Adobe Photoshop	3.0
Ele	CIS-051	Designing for the Web	3.0
Ele	ITT-063	Innovation I	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

IT-WEB DESIGN

(CRT.ITWEB) CERTIFICATE

Area of Study - Information Technology

The IT-Web Design certificate lays the foundation for entry-level work as a page designer or related job. The coursework provides students with a focused design curriculum featuring web design principles, graphics software and industry best practices. The certificate is an excellent supplement for any IT program and can be applied to any IT degree.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CIS-160	Practical Software Applications	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core CIS-049	Content Management Systems	2.0
Core CIS-088	Adobe Photoshop	3.0
Core CIS-092	Adobe Illustrator	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Core CIS-051	Designing for the Web * SP	3.0
Core ITT-053	Digital Media Arts * SP	3.0
Core CIS-090	Adobe InDesign SP	3.0
Core CIS-060	Project Management	2.0
Ele --- ---	CIS or ITT Elective	5.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES			
Ele	CIS-062	Computer Game Development	3.0
Ele	CIS-063	3-D Computer Animation	3.0
Ele	MAT-160	Computer Science I *	3.0
Ele	ITT-063	Innovation I	3.0
Ele	ITT-070	Python	3.0
Ele	ITT-071	Web Scripting I	3.0
Ele	ITT-066	Indie Game Development Lab	3.0
Ele	ITT-076	Intro to OS and Security	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Paul Hewitt
Faculty Email: phewitt@lakelandcollege.edu
Faculty Phone: 217-238-2714

INTERIOR FINISHING

(NDP.BCTI) CERTIFICATE

Area of Study - Architecture & Construction

This program prepares students for entry-level work in residential and light commercial interior construction. Courses focus on drywall installation and finishing, painting, flooring, tilework, trim and cabinetry, as well as interior layout design using AutoCAD and basic residential wiring practices. This flexible career elective also allows students to tailor the program to personal interests or local job demands. It is ideal for individuals seeking a fast track into the construction trades or enhancing existing skills in interior finishing.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

FIRST YEAR			
First Semester			Hours
Core	BCT-073	Architectural Design & Layout *	3.0
Core	BCT-087	Int Finish: Walls to Flooring	2.0
Core	BCT-097	Woodwork: Trim to Cabinetry	2.0
Core	EET-088	Residential Wiring	2.0
Ele	--- ---	Career Elective	2.0
		SEMESTER TOTALS	11.0
		TOTAL PROGRAM HOURS	11.0

SUGGESTED ELECTIVES			
Ele	APT-050	Electrical Principles/Practice	4.0
Ele	BCT-075	Carpentry SOE	2.5
Ele	BCT-078	Architectural SOE	0.5
Ele	BCT-099	The Basics of Plumbing	2.0
Ele	BUS-089	Small Business Management	3.0
Ele	EET-098	Residential & Commercial Appl *	2.0
Ele	EET-099	Electric Code Fundamentals	2.0
Ele	SFS-150	Money Management Strategies	3.0
Ele	SOS-052	Workplace Communication/Safety	3.0
Ele	TEC-043	Industrial Safety	1.0
Ele	WLD-040	Welding Fundamentals	2.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

JOHN DEERE TECH

(AAS.JDAT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Agriculture

A new generation of farm equipment demands a new generation of service technicians. To meet this demand, John Deere Company has created the John Deere Tech program and has selected Lake Land College as one of a limited number of North American sites.

The John Deere Tech program, offered jointly by John Deere and Lake Land College in cooperation with John Deere dealers, offers students many unique opportunities including earning a salary while learning through on-the-job training at a participating dealership; training on the latest John Deere tractors, combines and implements and learning the newest diagnostic and servicing procedures.

Students also have the opportunity to move directly into employment with their sponsoring dealership upon successful completion of this associate in applied science degree program.

To apply for the John Deere Tech program:
1. complete the Lake Land College application at https://www.lakelandcollege.edu/enroll
2. work with your John Deere dealer to complete the dealer sponsorship form - if you do not have a dealer sponsor, please contact Russ Neu to discuss getting one
3. take the Mechanical Reasoning test through the Testing Center (217-234-5301 or tutoringandtesting@lakelandcollege.edu).
4. contact your John Deere Tech Counselor for orientation and registration.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core JDA-080	John Deere Electrical Systems	3.5
Gen TEC-048	Applied Shop Computations	3.0
Core JDA-073	JD Shop Skills & Fundamentals	3.0
Core JDA-111	John Deere Ag Software	2.0
Core JDA-091	John Deere Hydraulics I *	3.0
	SEMESTER TOTALS	14.5
Second Semester		
Core JDA-071	John Deere Power Trains	3.0
Core JDA-092	John Deere Hydraulics II *	3.0
Core JDA-086	John Deere Combine Production *	2.5
Gen ECO-130	The American Economy or	
Gen PSY-271	Introduction to Psychology or	
Gen SOS-052	Workplace Communication/Safety	3.0
Gen AGR-059	Ag Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	14.5
Summer Term		
Core JDA-041	John Deere SOE I *	2.0
Core JDA-094	John Deere Air Cond Systems	2.5
Core JDA-113	John Deere Apex Software	2.0
Core JDA-072	JD Advanced Power Trains *	3.0
	SEMESTER TOTALS	9.5

SECOND YEAR

First Semester		Hours
Core JDA-042	John Deere SOE II *	4.0
Core JDA-087	John Deere Fuel Systems *	3.0
Core JDA-050	John Deere Engine Systems	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	13.0
Second Semester		
Core JDA-095	John Deere Equip Diagnostics	3.0
Core JDA-082	JD Advanced Elect/Electronic Sys *	3.5
Core JDA-043	John Deere SOE III *	4.0
Gen POS-160	American National Government	3.0
	SEMESTER TOTALS	13.5
	TOTAL PROGRAM HOURS	65.0

SUGGESTED ELECTIVES

Ele AGR-052	Principles of Crop Production	3.0
Ele HED-178	Responding to Emergencies	2.0
Ele WLD-040	Welding Fundamentals	2.5
Ele JDA-054	JD Turf & Utility Equipment *	2.0
Ele JDA-051	JD Tillage & Seeding Equipment	3.0
Ele JDA-114	John Deere Hay Equipment *	2.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Russell Neu
Faculty Email: rneu@lakelandcollege.edu
Faculty Phone: 217-234-5387

LAW ENFORCEMENT

(AAS.LE) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Public Services

The Law Enforcement degree is intended for students who do not intend to transfer to a university after graduation and who primarily intend to seek a career as a police officer in a local or county police agency. This degree can also be ideal for those seeking a career in corrections by taking electives related to the field. Contact an academic advisor for a specific academic plan leading to successful graduation.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core CJS-150	Intro/Criminal Just	3.0
Gen COM-200	Interpersonal Communication	3.0
Core CJS-151	Intro to Policing	3.0
Gen POS-162	State/Local Govern	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CJS-152	Criminal Investigation I	3.0
Core CJS-156	Criminal Law	3.0
Core CJS-081	Police Report Writing	2.0
Gen PSY-271	Introduction to Psychology	3.0
Gen --- ---	IAI Mathematics * or	
Gen --- ---	IAI Social/Behavioral Science	3.0
Core CJS-166	Corrections	3.0
	SEMESTER TOTALS	17.0

SECOND YEAR		
First Semester		Hours
Core CJS-160	Criminal Evidence and Procedure *	3.0
Core CJS-089	Police Operations	3.0
Core CJS-210	Community Policing	3.0
Gen PSY-273	Abnormal Psychology or	
Gen PSY-277	Social Psychology	3.0
Core CJS-092	Police Management & Supervision	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core CJS-158	Juvenile Justice	3.0
Core CJS-245	Ethics in Criminal Justice	3.0
Core CJS-250	Criminology	3.0
Gen HED-178	Responding to Emergencies	2.0
Core CJS-200	Liability in Criminal Justice	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	61.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

LAW ENFORCEMENT OPERATIONS

(NDP.LEO) CERTIFICATE

Area of Study - Public Services

The certificate in Law Enforcement Operations is aimed at students who are seeking a career in law enforcement but may not be able to complete an entire degree at the present time. This certificate will provide basic law enforcement operational knowledge to help students be more successful in their law enforcement careers.

This certificate can be applied toward the Law Enforcement associate in applied science degree to help expand the student's credentials and knowledge.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core CJS-151	Intro to Policing	3.0
Core CJS-150	Intro/Criminal Just	3.0
Core CJS-210	Community Policing	3.0
Core CJS-081	Police Report Writing	2.0
Core CJS-152	Criminal Investigation I	3.0
Core CJS-089	Police Operations	3.0
Core CJS-160	Criminal Evidence and Procedure *	3.0
Core CJS-1--	Criminal Justice Internship	3.0
	SEMESTER TOTALS	23.0
	TOTAL PROGRAM HOURS	23.0

SUGGESTED ELECTIVES		
Core CJS-104	Crim Justice Internship I *	1.0
Core CJS-105	Crim Justice Internship II *	2.0
Core CJS-106	Crim Justice Internship III *	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5310

LIVESTOCK PRODUCTION

(CRT.LVST) CERTIFICATE

Area of Study - Agriculture

The specialized Livestock Production certificate is designed to prepare students for employment positions in a variety of livestock areas. These jobs include herdsman positions, A.I. technicians, livestock managers and home farm operators. The SOE internship provides added experience in livestock management and production.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen AGR-040	Agricultural Mathematics or	
Gen MAT-115	General Education Pathway * or	
Gen MAT-116	General Education Math *	3.0
Core AGR-206	Intro/Animal Science or	
Core AGR-060	Animal Husbandry	3.0
Core AGR-205	Intro/Soil Science or	
Core AGR-050	Soils	3.5
Core AGR-122	Farm Management	2.5
	SEMESTER TOTALS	12.0
Second Semester		
Core AGR-111	Intro to Agriculture Software	2.0
Core AGR-049	OSHA/Ag Mach Safety	1.0
Core AGR-123	Marketing of Ag Products	2.5
Core AGR-063	Animal Nutrition	2.5
Core AGR-124	Farm Credit and Finance	2.0
Core AGR-064	Beef/Dairy Production Skills	1.5
Core AGR-065	A.I. Management-Cattle or	
Core AGR-071	Swine Reproduction and A.I.	1.0
Core AGR-041	Supervised Occupational Exp I	3.5
Core AGR-067	Livestock Merchandising I	1.5
	SEMESTER TOTALS	17.5
	TOTAL PROGRAM HOURS	29.5

SUGGESTED ELECTIVES		
Ele	AGR-042 Supervised Occupational Exp II	2.5
Ele	AGR-053 Integrated Pest Management	3.0
Ele	AGR-061 Livestock Evaluation	3.0
Ele	AGR-066 Meat Science	2.0
Ele	AGR-070 Swine Production Skills	1.5
Ele	AGR-090 Principles of Agri Mechanics	2.5
Ele	AGR-120 Agriculture Economics	3.0
Ele	AGR-121 Farm Business Records	2.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Samuel Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5208

MANAGEMENT

(AAS.MGT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Business Management

The Management degree is designed for (1) those who plan to own and operate their own business and (2) those who plan to work as technicians, supervisors, or managers in for-profit or not-for-profit organizations. Using career electives, a specialized management curriculum can be designed to meet the needs of students in such diverse areas as marketing, retailing, sales, manufacturing, construction, transportation, technology and the trades.

Total credit hours for graduation in this program must equal or exceed 60.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BUS-142	Introduction to Business	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Gen ENG-095	Business English or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BUS-094	Business Math or	
Gen --- ---	Math Elective *	3.0
	SEMESTER TOTALS	12.0

Second Semester		
Core CIS-160	Practical Software Applications	3.0
Core BUS-251	Principles of Management	3.0
Core BUS-247	Principles of Marketing	3.0
Core BUS-221	Financial Accounting *	3.0
	SEMESTER TOTALS	12.0

Third Semester		
Core BUS-091	Principles of Advertising SU	3.0
Core BUS-090	Principles of Retailing SU or	
Core BUS-089	Small Business Management	3.0
	SEMESTER TOTALS	6.0

SECOND YEAR

First Semester		Hours
Core BUS-290	Human Resource Management	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core BUS-092	Principles of Selling	3.0
Core BUS-096	Federal Tax Accounting or	
Core BUS-222	Managerial Accounting *	3.0
Gen ECO-232	Principles of Economics II (Micro) or	
Gen POS-162	State & Local Government	3.0
	SEMESTER TOTALS	15.0

Second Semester		
Core BUS-285	Labor Relations SP	3.0
Ele BUS ---	Business Elective	12.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele BUS-074	Management Seminar	1.0
Ele BUS-076	Management Internship	4.0
Ele BUS-085	Accounting Process	1.0
Ele BUS-089	Small Business Management	3.0
Ele BUS-090	Principles of Retailing	3.0
Ele BUS-141	Business Communications	3.0
Ele BUS-200	Legal Environ/Business	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SU Course offered in summer term only
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

MANAGEMENT

(NDP.MGT) CERTIFICATE

Area of Study - Business Management

The certificate in Management program prepares students for entry level positions in supervision and management. Employees can use this program to prepare for upward mobility and/or update management and supervisory skills. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	BUS-089	Small Business Management or	
Core	BUS-142	Introduction to Business	3.0
Core	BUS-290	Human Resource Management	3.0
Core	BUS-251	Principles of Management	3.0
Core	BUS-200	Legal Environ/Business	3.0
Core	CIS-160	Practical Software Applications	3.0
Ele	--- ---	Business Elective	3.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	18.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

MANUFACTURING

(AAS.MANU) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

Are you curious about how things work and passionate about solving problems? The Manufacturing degree transforms that curiosity into a powerful foundation for a rewarding career. This hands-on, flexible program equips you with practical skills that matter-skills valued by industry partners. It allows you to generalize and explore different areas of manufacturing that interest you most. Whether you are drawn to mechanical systems, production processes or precision tools, you can shape your learning path to match your goals and gain real-world experience.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen APT-041	Applied Mathematics I or	
Gen TEC-048	Applied Shop Computations or	
Gen BUS-094	Business Math or	
Gen MAT-1--	Math Elective *	3.0
Core CAD-056	CAD I	2.0
Core APT-050	Electrical Principles/Practice	4.0
Core EET-056	Electronic Circuit Design/Fabrication	3.0
	SEMESTER TOTALS	15.0

Second Semester		
Gen COM-111	Intro to Speech Communication	3.0
Gen SFS-150	Money Management Strategies	3.0
Core APT-051	Solid State Devices & Applications	4.0
Core EET-072	Relays and Control Circuits	2.0
Core EET-076	Digital Logic	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Gen SOS-052	Workplace Communication/Safety	3.0
Core EET-086	Prog Logic Controllers I *	2.0
Core IND-044	Fluid Power	3.0
Core TEC-040	Print Reading for Industry	2.0
Core WLD-040	Welding Fundamentals	2.5
Ele --- ---	Elective	3.0
	SEMESTER TOTALS	15.5

Second Semester		
Ele BUS-041	Employability Skills	3.0
Ele --- ---	Elective	11.5
	SEMESTER TOTALS	14.5
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele APT-042	Applied Mathematics II *	2.0
Ele APT-043	Applied Mathematics III *	2.0
Ele CAD-057	CAD II	3.0
Ele CAD-058	CAD Drafting Systems	2.0
Ele CAD-059	Special Applications of CAD *	3.0
Ele CAD-060	3D Solid Modeling	3.0
Ele CAD-061	3D Parametric Design *	3.0
Ele CAD-062	Introduction to Solidworks	2.0
Ele CIM-044	Industrial Robotics	2.0
Ele CIM-060	CNC Machining *	3.0
Ele CIM-092	Computer-Aided Manufacturing *	3.0
Ele CIM-094	Computer Integrated Manf *	3.0
Ele CIS-068	Computer Appl-Special Topics	2.0
Ele CIS-079	Client Operating System	3.0
Ele CIS-084	Server Operating Systems *	3.0
Ele CIS-095	Database Management *	3.0
Ele CIS-156	Computer Logic	3.0
Ele EET-048	Digital Circuits *	3.0
Ele EET-057	Computer Systems	3.0
Ele EET-066	Network Pro	4.0

ADDITIONAL INFORMATION ON NEXT PAGE

Ele	EET-069	Res & Light Commercial Wiring	3.0
Ele	EET-075	HMI-Human Machine Interface *	2.0
Ele	EET-081	Physical Computing *	3.0
Ele	EET-085	STEM Projects *	2.0
Ele	EET-087	Prog Logic Controllers II *	2.0
Ele	IND-042	Pipefitting Procedures	1.0
Ele	IND-043	Refrigeration Fundamentals	3.0
Ele	IND-054	Trouble Shooting and Preventative Maint *	0.5
Ele	IND-062	Rigging and Hoisting	1.0
Ele	ITT-070	Python	3.0
Ele	MET-043	Motors and Generators *	2.5
Ele	MET-076	Mechanical Electrical SOE I *	1.0
Ele	MET-077	Mechanicial Electrical SOE II *	2.0
Ele	MET-078	Mechanical Electrical SOE III *	3.0
Ele	MET-084	Technical Mechanisms *	3.0
Ele	MTT-050	Intro to Machining Procedures	3.0
Ele	PHY-130	College Physics I *	4.0
Ele	PHY-131	College Physics II *	4.0
Ele	PLC-051	Variable Frequency Drive Sys.	1.0
Ele	TEC-043	Industrial Safety	1.0
Ele	TEC-046	Manufacturing Skills I	2.0
Ele	TEC-047	Manufacturing Skills II *	2.0
Ele	TEC-049	Manufacturing Skills III *	2.0
Ele	TEC-051	Manufacturing Skills IV *	2.0
Ele	TEC-055	Special Topics in Technology	0.5
Ele	TEC-063	Electric Power Distribution *	3.0
Ele	TEC-070	Properties of Metal	2.5
Ele	TEC-090	Education to Careers	3.0
Ele	WLD-041	Metal Cutting and Fabrication	2.0
Ele	WLD-051	Shielded Metal Arc Welding I *	2.5
Ele	WLD-052	Shielded Metal Arc Welding II *	2.5
Ele	WLD-053	Shielded Metal Arc Welding III *	2.5
Ele	WLD-062	Gas Metal Arc Welding II *	2.5
Ele	WLD-063	Gas Metal Arc Welding III *	3.0
Ele	WLD-070	Gas Tungsten Arc Welding *	2.5
Ele	WLD-071	GTAW/Aluminum *	3.0
Ele	WLD-072	GTAW/Stainless Steel *	3.0
Ele	WLD-080	Pipe Welding *	3.0
Ele	WLD-082	Advanced Welding Projects Lab *	4.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

MANUFACTURING SKILLS I

(NDP.MSP) CERTIFICATE

Area of Study - Manufacturing

This certificate prepares graduates for entry level manufacturing positions. Emphasis is placed upon measurement, hydraulics, pneumatics, electric motors, and mechanical and electrical drives. Basic skills in blueprint reading and mathematics are also included in this program.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core	TEC-043 Industrial Safety	1.0
Core	TEC-046 Manufacturing Skills I	2.0
Core	TEC-047 Manufacturing Skills II *	2.0
Core	TEC-049 Manufacturing Skills III *	2.0
Core	TEC-051 Manufacturing Skills IV *	2.0
Gen	APT-041 Applied Mathematics I	3.0
Core	TEC-090 Education-To-Careers	3.0
Core	TEC-055 Special Topics in Technology	1.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	16.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Stanfield
Faculty Email: mstanfield@lakelandcollege.edu
Faculty Phone: 217-234-5360

MARKETING

(AAS.MKTG) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Business Management

The Marketing program prepares students for employment positions in sales, retailing, marketing and other related business areas. It can also be used to upgrade skills and knowledge of presently employed personnel to allow them to advance their careers. This program provides the broad background necessary to succeed in modern marketing with special emphasis placed on pricing, promotion, distribution and product conception within both the profit and not-for-profit sectors.

Total credit hours for graduation in this program must equal or exceed 60.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BUS-142	Introduction to Business	3.0
Gen BUS-094	Business Math or	
Gen --- ---	Math Elective *	3.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen COM-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core BUS-251	Principles of Management	3.0
Core BUS-247	Principles of Marketing	3.0
Core CIS-160	Practical Software Applications	3.0
Gen ENG-121	Composition II *	3.0
	SEMESTER TOTALS	12.0
Third Semester		
Core BUS-091	Principles of Advertising SU	3.0
Core BUS-090	Principles of Retailing SU	3.0
	SEMESTER TOTALS	6.0

SECOND YEAR

First Semester		Hours
Core BUS-221	Financial Accounting *	3.0
Gen BUS-141	Business Communications	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
Core BUS-200	Legal Environ/Business	3.0
Core BUS-092	Principles of Selling	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen PSY-271	Introduction to Psychology	3.0
Gen ECO-232	Principles of Economics II (Micro) * or	
Gen POS-162	State/Local Govern	3.0
Core BUS ---	Business Elective	9.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Core BUS-056	Marketing Seminar	1.0
Core BUS-057	Marketing Internship	4.0
Core BUS-089	Small Business Management	3.0
Core BUS-134	Principles of E-Marketing	3.0
Core BUS-285	Labor Relations	3.0
Core BUS-290	Human Resource Management	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

MARKETING

(CRT.MKTG) CERTIFICATE

Area of Study - Business Management

The certificate in Marketing program prepares students for entry level positions in account management, sales, retailing, and marketing. Current employees can use this program to prepare for upward mobility and/or update marketing skills. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in marketing.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core BUS-142	Introduction to Business	3.0
Core BUS-247	Principles of Marketing	3.0
Gen BUS-141	Business Communications	3.0
Core CIS-160	Practical Software Applications	3.0
	SEMESTER TOTALS	12.0
Second Semester		
Core BUS-090	Prin of Retailing SU	3.0
Core BUS-091	Prin of Advertising SU	3.0
Core BUS-092	Principles of Selling	3.0
Ele --- ---	Business Elective	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	24.0

SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

MASSAGE THERAPY - TRACK

(CRT.MT.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Health Services

The Massage Therapy Certificate Track prepares the student for acceptance into the Massage Therapy program. Applicants are instructed to begin their Massage Therapy application with the CRT.MT.TRK major code. Students are counseled on admission requirements into the Massage Therapy program. Once accepted into the Massage Therapy program, the major code will be changed to CRT.MT.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Martha Mioux
Faculty Email: mmioux@lakelandcollege.edu
Faculty Phone: 217-540-3551

MASSAGE THERAPY

(CRT.MT) CERTIFICATE
Area of Study - Health Services

The Massage Therapy program is designed to prepare the individual in all areas of massage. Massage therapy is physically demanding work. Students need to have good general health and the strength, stamina and flexibility necessary to carry out assignments. Massage techniques and bodywork, anatomy, professionalism with clients and business practices are included in the curriculum. In addition to tuition and fees, costs for the Massage Therapy program include: workbooks, massage supplies, table, clinical attire and the board exam/license fee.

Housed at the Lake Land College Effingham Technology Center in Effingham, Illinois, classes begin each fall semester and run for three consecutive semesters. Once admitted to the program, the student must progress through the courses corresponding to the curriculum model. A "C" grade is required in all Massage Therapy curriculum courses for progression/completion. Upon completion of the course, the student will receive a certificate and will be eligible to sit for the Massage and Bodywork Licensing Examination (MBLEx).

Massage Therapy application requirements include admission to Lake Land College, completion of the Massage Therapy program application form (obtained from program website) and completion of the college placement assessment tests. To be considered a candidate, students must have an application file completed by July 1 for consideration for the fall semester.

Interested students should submit the college application and list their major as Massage Therapy Track (CRT.MT.TRK) when selecting a major.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core MAS-055	Massage Therapy I * FA	2.0
Core MAS-055L	Massage Therapy I Lab * FA	2.0
Gen BIO-050	Basic Anatomy & Physiology	4.0
Core MAS-058	Legal Documentation for MT * FA	2.0
Core MAS-056	Pathology/Massage Therapist * FA	2.0
	SEMESTER TOTALS	12.0
Second Semester		
Core MAS-065	Massage Therapy II * SP	2.0
Core MAS-065L	Massage Therapy II Lab * SP	2.0
Core MAS-057	Massage Kinesiology * SP	3.0
Core MAS-077	Massage Clinic I * SP	1.5
Core MAS-071	Ethics for Massage Therapist * SP	2.0
	SEMESTER TOTALS	10.5
Third Semester		
Core MAS-080	Massage Therapy III * SU	2.0
Core MAS-080L	Massage Therapy III Lab * SU	2.0
Core MAS-087	Massage Clinic II * SU	1.5
Core BUS-089	Small Business Management	3.0
	SEMESTER TOTALS	8.5
	TOTAL PROGRAM HOURS	31.0

FA Course only offered fall semester
SP Course only offered spring semester
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Martha Mioux
Faculty Email: mmioux@lakelandcollege.edu
Faculty Phone: 217-540-3551

* There are prerequisites, corequisites, or minimum placement test scores for this course.

MECHANICAL-ELECTRICAL TECHNOLOGY

(AAS.MET) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

The Mechanical-Electrical Technology (MET) program is designed to give the student a wide background in mechanical and electrical skills. These skills and knowledge include welding, hydraulics, pneumatics, CAD, CNC, HVAC, AC/DC circuits, ladder logic, motors and PLCs. Technical electives are incorporated into this degree to allow the student to focus more concentration in an area of their interest (such as CAD or PLCs). Graduates will be prepared for many different kinds of technical jobs for today and the future. Some of these employment opportunities include: CAD operator/designer, CNC operator/programmer, HVAC technician, maintenance technician, industrial electrician and service technician. A graduate with a MET degree will be prepared for high paying technical jobs that are available locally and nationwide.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core TEC-040	Print Reading for Industry	2.0
Core IND-044	Fluid Power	3.0
Gen APT-041	Applied Mathematics I or	
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	3.0
Core APT-050	Electrical Principles/Practice	4.0
	SEMESTER TOTALS	15.0

Second Semester		
Core MET-043	Motors and Generators *	2.5
Gen APT-042	Applied Mathematics II *	2.0
Gen APT-043	Applied Mathematics III *	2.0
Core EET-069	Residential & Light Commercial Wiring	3.0
Core MTT-050	Intro to Machining Procedures	3.0
Core IND-043	Refrigeration Fundamentals	3.0
	SEMESTER TOTALS	15.5

SECOND YEAR

First Semester		Hours
Core CIS-068	Computer Appl-Special Topics	2.0
Core CAD-056	CAD I	2.0
Core EET-072	Relays and Control Circuits	2.0
Core EET-086	Prog Logic Controllers I *	2.0
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	ECO Elective	3.0
Core WLD-040	Welding Fundamentals	2.5
Core PLC-051	Variable Frequency Drive Systems	1.0
Core APT-047	Electrical System Install I *	1.0
	SEMESTER TOTALS	15.5

Second Semester		
Core IND-054	Trouble Shooting and Preventative Maint *	3.0
Core CIM-060	CNC Machining *	3.0
Core MET-084	Technical Mechanisms *	3.0
Gen COM-111	Intro to Speech Communication or	
Gen --- ---	IAI Social/Behavioral Science Elective	
Gen SFS-101	Strategies for Success	2.0
Ele --- ---	Mechanical-Electrical Elective	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	60.0

SUGGESTED ELECTIVES

Ele	IND-042	Pipefitting Procedures	1.0
Ele	EET-087	Prog Logic Controllers II *	2.0
Ele	EET-075	HMI-Human Machine Interface *	2.0
Ele	CAD-057	CAD II	3.0
Ele	CAD-058	CAD Drafting Systems	2.0
Ele	CAD-059	Special Applications of CAD *	3.0
Ele	MET-076	Mechanical Electrical SOE I *	1.0
Ele	MET-077	Mechanicial Electrical SOE II *	2.0
Ele	MET-078	Mechanical Electrical SOE III *	3.0
Ele	CAD-062	Introduction to Solidworks	2.0
Ele	EET-057	Computer Systems	3.0
Ele	CIM-044	Industrial Robotics	2.0
Ele	CAD-060	3D Solid Modeling	3.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Dion Buzzard
Faculty Email: dbuzzard@lakelandcollege.edu
Faculty Phone: 217-234-5325

MEDICAL ASSISTANT-TRACK

(CRT.MAP.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Health Services

The Medical Assistant Certificate Track prepares the students for acceptance into the Medical Assisting Program (MAP), which begins in the fall semester only. The Medical Assisting Program is a special admission program. Applicants are instructed to begin their MAP application with the CRT.MAP. TRK major code. Students are counseled on admission requirements into the Medical Assisting Program as well as preparatory course work that will increase their success rate once they are accepted into the Medical Assisting program. Prerequisite course work is not required for acceptance. Once accepted into the Medical Assisting program, the director will change the program code to CRT.MAP. Interested students should submit the college application found on the website.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Molly Yeske
Faculty Email: myeske@lakelandcollege.edu
Faculty Phone: 217-234-5055

MEDICAL ASSISTANT

(CRT.MAP) CERTIFICATE

Area of Study - Health Services

Medical Assistants are health professionals specifically trained to work in a medical office. These multiskilled personnel perform administrative and clinical duties. Duties may include but are not limited to: billing and coding, maintaining medical records, completing basic clinical assessments, recording vital signs, preparing patients for examination, collecting blood specimens, performing basic laboratory tests, preparing and administering medications and assisting physicians with treatment and/or minor procedures.

Complete an application for Lake Land College-Select "CRT.MAP.TRK" as the academic program. This will ensure you are assigned a medical assistant academic advisor. It will also generate a Laker email account; prospective students are expected to check this email account on a regular basis for correspondence.

Upon successful completion of the program students may apply for credentialing examination.

Medical Assistant program is a special admission program. Applications are due June 1 for Fall Admission. After admission into the program, applicants must pass a background check, physical exam, proof of immunizations, CPR and drug screen. There are additional costs associated with this program including books, uniforms, supplies and transportation to clinical facilities.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core MAP-070	Med Assist Pathophysiology I *	4.0
Core MAP-072	Med Assist Skills I *	5.0
Core MAP-074	Medical Office Procedures I *	4.0
Core MAP-078	Med Assist Pharmacology I *	2.0
	SEMESTER TOTALS	15.0
Second Semester		
Core MAP-076	Medical Office Procedures II *	3.0
Core MAP-080	Med Assist Pathophysiology II *	4.0
Core MAP-082	Med Assist Skills II *	5.0
Core MAP-086	Med Assist Seminar *	3.0
Core MAP-088	Med Assist Pharmacology II *	3.0
	SEMESTER TOTALS	18.0
Summer Term		
Core MAP-090	Med Assist Externship *	2.0
Core MAP-091	Med Assist Externship Seminar *	1.0
	SEMESTER TOTALS	3.0
	TOTAL PROGRAM HOURS	36.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Molly Yeske
Faculty Email: myeske@lakelandcollege.edu
Faculty Phone: 217-234-5055

MEDICAL ASSISTANT BRIDGE

(NDP.MAP) CERTIFICATE

Area of Study - Health Services

For Sarah Bush Lincoln Health Systems employees only. The Medical Assistant Bridge is an accelerated program for qualified certified nursing assistants who have been employed 480+ hours in a medical office to enter the medical assisting field. The program will prepare graduating students to function in the role of a Medical Assistant who will act as a liaison between the physician and the patient. Medical assistants are skilled healthcare workers who demonstrate their knowledge in both clinical and administrative areas including billing and coding, maintaining medical records, completing basic clinical assessments, recording vital signs, preparing patients for examination, collecting blood specimens, performing basic laboratory tests, preparing and administering medications and assisting physicians with treatment and/or minor procedures.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core MAP-092	Clinical Skills *	4.0
Core MAP-094	Med Assist A & P *	3.0
	SEMESTER TOTALS	7.0
Second Semester		
Core MAP-096	Capstone *	3.0
Core MAP-084	Med Assist Pharmacology *	3.0
	SEMESTER TOTALS	6.0
	TOTAL PROGRAM HOURS	13.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Molly Yeske
Faculty Email: myeske@lakelandcollege.edu
Faculty Phone: 217-234-5055

MEDICAL CODING & HEALTH INFORMATION

(AAS.HIMC) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

This program will prepare students for management positions in Health Information. Students are instructed in medical ethics, coding, information technology, statistics, management, and medical reimbursement. Upon successful completion of the program, graduates will be able to sit for medical coding exams available through national organizations such as the American Health Information Management Association (AHIMA) and the American Academy of Professional Coders (AAPC).

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core MCS-040	Health Information for Professionals or	
Core MCS-042	HIT Applications I	3.0
Core MCS-041	Medical Office Terminology	3.0
Gen BIO-050	Basic Anatomy & Physiology	4.0
Core MCS-050	Principles of CPT Coding or	
Core MCS-070	Principles of ICD-10-PCS	3.0
Core MCS-051	Math for Medical Coders	2.0
	SEMESTER TOTALS	15.0
Second Semester		
Core MCS-055	Principles of ICD-10-CM Coding or	
Core MCS-071	Inpatient Coding	3.0
Core AHE-044	Pathophysiology	3.0
Gen MCS-057	Quality Improvement in Healthcare or	
Core MCS-060	Medical Ins Reimbursement	3.0
Core MCS-092	Health Information and the Law or	
Core MCS-093	Medical Record Documentation	3.0
Gen PSY-271	Introduction to Psychology	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR

First Semester		Hours
Core MCS-050	Principles of CPT Coding or	
Core MCS-070	Principles ICD10PCS Coding	3.0
Core AHE-057	Pharmacology for Coders	3.0
Gen CIS-160	Practical Software Applications	3.0
Core MCS-040	Health Information for Professionals or	
Core MCS-042	HIT Applications I	3.0
Gen ENG-095	Business English or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core MCS-055	Principles of ICD-10-CM Coding or	
Core MCS-071	Inpatient Coding	3.0
Gen BUS-141	Business Communications	3.0
Core MCS-057	Quality Improvement in Healthcare or	
Core MCS-060	Medical Ins Reimbursement	3.0
Core MCS-092	Health Information and the Law or	
Core MCS-093	Medical Record Documentation	3.0
Core MCS-043	HIT Applications II	2.0
Core MCS-098	Medical Coding Capstone	1.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Wright
Faculty Email: swright2756@lakelandcollege.edu
Faculty Phone: 217-234-5355

MEDICAL CODING SPECIALIST

(CRT.MCS) CERTIFICATE

Area of Study - Office Professionals

Medical Coding Specialist Certificate presents a comprehensive study of both diagnostic and procedural medical coding using nationally recognized ICD-10-CM, CPT, and HCPCS coding. It prepares the student for employment as a coding specialist in hospitals, clinics, surgery centers, long-term and home health care facilities. Coding specialists are also employed by consulting firms, coding and billing services, insurance companies, and governmental agencies. Upon successful completion of the program, graduates will be able to pass coding exams available through national organizations such as the American Health Information Management Association (AHIMA) and the American Academy of Professional Coders (AAPC).

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core MCS-041	Medical Office Terminology	3.0
Core BIO-050	Basic Anatomy & Physiology	4.0
Core MCS-050	Principles of CPT Coding or	
Core MCS-070	Principles ICD10PCS Coding	3.0
	SEMESTER TOTALS	10.0
Second Semester		
Core BUS-141	Business Communications	3.0
Core MCS ---	Medical Coding Elective	3.0
Core MCS-055	Principles of ICD-10-CM Coding	3.0
Core MCS-051	Math for Medical Coders	2.0
	SEMESTER TOTALS	11.0
Third Semester		
Core MCS-040	Health Information for Professionals or	
Core MCS-042	HIT Applications I	3.0
Core MCS-050	Principles of CPT Coding or	
Core MCS-070	Principles ICD10PCS Coding	3.0
Core MCS-043	HIT Applications II	2.0
Core MCS-098	Medical Coding Capstone	1.0
	SEMESTER TOTALS	9.0
	TOTAL PROGRAM HOURS	30.0

SUGGESTED ELECTIVES		
Ele	MCS-057 Quality Improvement in Healthcare	3.0
Ele	MCS-060 Medical Ins Reimbursement	3.0
Ele	MCS-071 Inpatient Coding	3.0
Ele	MCS-092 Health Information and the Law	3.0
Ele	MCS-093 Medical Record Documentation	3.0
Ele	MCS-068 Medical Management and Ethics	3.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Wright
Faculty Email: swright2756@lakelandcollege.edu
Faculty Phone: 217-234-5355

NANNY CHILD CARE PROVIDER

(CRT.NCCP) CERTIFICATE

Area of Study - Education

This program prepares the student for the care of children in a live-out or live-in family-oriented setting. In addition to developing the skills and knowledge needed to provide for the child's physical, intellectual, emotional and social well-being, the nanny will acquire basic home management skills. Emphasis is also given to interpersonal relationships since the nanny is often considered a member of the family. A "C" average in required Early Childhood Care and Education core classes must be maintained by students prior to enrolling in ECE 125.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen HED-178	Responding to Emergencies	2.0
Gen PSY-274	Child Development	3.0
Core ECE-100	Intro to Early Childhood Educ	3.0
Core ECE-095	Creative Activities for Children	4.0
Core ECE-110	Child Behavior Management	3.0
Core ECE-051	Infant/Toddler Environment	3.0
	SEMESTER TOTALS	18.0
Second Semester		
Gen COM-111	Intro to Speech Communication	3.0
Core ECE-120	Field Experience Seminar *	1.0
Core ECE-125	Field Experience *	0.5
Core ECE-086	Nanny/Family Relations	2.0
Core ECE-102	Health/Safety/Nutri/Yng Child	3.0
	SEMESTER TOTALS	9.5
	TOTAL PROGRAM HOURS	27.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

OFFICE ASSISTANT-EXECUTIVE

(AAS.AAEXE) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

Students will be highly trained to work in a variety of offices performing administrative support responsibilities. They will complete coursework in Microsoft Office software, desktop publishing, web design, document formatting, management, and accounting. Students will also develop interpersonal and communication skills. The internship provides students with a realistic work experience.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-141	Business Communications	3.0
Core BUS-142	Introduction to Business	3.0
Gen --- ---	Social/Behavioral Science Elective	3.0
Core CIS-101	Internet Systems and Applications or	
Core CIS-071	Introduction to Networking FA	2.0
	SEMESTER TOTALS	17.0
Second Semester		
Core BUS-061	Office Transcription * SP	3.0
Core BUS-115	Processing Info * SP	3.0
Gen ENG-095	Business English	3.0
Gen BUS-094	Business Math	3.0
Core CIS-093	Access	2.0
Core CIS-094	Excel	2.0
	SEMESTER TOTALS	16.0

SECOND YEAR

First Semester		Hours
Core CIS-058	Specialized Software Applications FA	3.0
Core BUS-060	Automated Ofc Procedures	3.0
Core CIS-056	Advanced Software Applications *	3.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
Core CIS-099	Introduction to Web Technology	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-251	Principles of Management	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core BUS-079	Professional Development SP	3.0
Core BUS-081	Office Assistant Internship	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE ASSISTANT-LEGAL

(AAS.AALEG) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

Students will be highly trained to work in a variety of legal offices and court systems performing administrative support responsibilities. They will complete coursework in Microsoft Office software, legal justice systems, desktop publishing, document formatting, and accounting. Students will also develop interpersonal and communication skills. The internship provides students with a realistic work experience.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-141	Business Communications	3.0
Core BUS-142	Introduction to Business	3.0
Gen --- ---	Social/Behavioral Science Elective	3.0
Core CIS-101	Internet Systems and Applications or	
Core CIS-071	Introduction to Networking FA	2.0
	SEMESTER TOTALS	17.0
Second Semester		
Core BUS-061	Office Transcription * SP	3.0
Core BUS-115	Processing Info * SP	3.0
Gen ENG-095	Business English	3.0
Gen BUS-094	Business Math	3.0
Core CIS-093	Access	2.0
Core CIS-094	Excel	2.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Core CIS-058	Specialized Software Applications FA	3.0
Core BUS-060	Automated Ofc Procedures	3.0
Core CIS-056	Advanced Software Applications *	3.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
Core CJS-150	Intro/Criminal Just	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-200	Legal Environ/Business	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core BUS-079	Professional Development SP	3.0
Core BUS-081	Office Assistant Internship	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

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Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE ASSISTANT-MEDICAL

(AAS.AAMED) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

Students will be highly trained to work in a variety of medical offices, hospitals, and clinics performing administrative support responsibilities. They will complete coursework in Microsoft Office software, medical terminology, medical billing and coding, medical software, desktop publishing, document formatting, and accounting. Students will also develop interpersonal and communication skills. The internship provides students with a realistic work experience.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-141	Business Communications	3.0
Gen BIO-050	Basic Anatomy & Physiology	4.0
Gen --- ---	Social/Behavioral Science Elective	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core BUS-061	Office Transcription * SP	3.0
Core BUS-115	Processing Info * SP	3.0
Gen ENG-095	Business English	3.0
Core CIS-099	Introduction to Web Technology	3.0
Core MCS-040	Health Information for Professionals	3.0
Gen HED-270	Community Health	3.0
	SEMESTER TOTALS	18.0

SECOND YEAR

First Semester		Hours
Core CIS-058	Specialized Software Applications FA	3.0
Core BUS-060	Automated Ofc Procedures	3.0
Core CIS-056	Advanced Software Applications *	3.0
Core MCS-041	Medical Office Terminology	3.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-059	Medical Insurance and Coding	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core BUS-079	Professional Development SP	3.0
Core BUS-083	Ofc Asst Internship-Med *	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	61.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester
FA Course only offered fall semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Wright
Faculty Email: swright2756@lakelandcollege.edu
Faculty Phone: 217-234-5355

OFFICE MANAGER

(AAS.OFMGT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Office Professionals

Students will be highly trained to work in a variety of offices with managerial responsibilities, coordinating services, and supervising staff. They will complete coursework in Microsoft Office software, desktop publishing, web design, management, document formatting, and accounting. Students will also develop interpersonal and communication skills. The internship provides students with a realistic work experience.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Core CIS-160	Practical Software Applications	3.0
Gen BUS-141	Business Communications	3.0
Core BUS-142	Introduction to Business	3.0
Gen ECO-231	Principles of Economics I (Macro)	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-061	Office Transcription SP	3.0
Core BUS-115	Processing Info * SP	3.0
Gen ENG-095	Business English	3.0
Core CIS-099	Introduction to Web Technology	3.0
Gen BUS-094	Business Math	3.0
Core CIS-094	Excel	2.0
	SEMESTER TOTALS	17.0

SECOND YEAR		
First Semester		Hours
Core CIS-058	Specialized Software Applications *	3.0
Core BUS-060	Automated Ofc Procedures	3.0
Core CIS-056	Advanced Software Applications *	3.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
Core BUS-290	Human Resource Management	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-251	Principles of Management	3.0
Gen PSY-271	Introduction to Psychology	3.0
Core BUS-079	Professional Development SP	3.0
Core BUS-081	Office Assistant Internship	3.0
Core CIS-093	Access	2.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	61.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE RECEPTIONIST

(CRT.OFREC) CERTIFICATE

Area of Study - Office Professionals

Students will be trained for an entry level office position. They will complete coursework in Microsoft Office software, keyboarding, document formatting, and accounting. Students will also develop interpersonal and communication skills. All courses apply toward one of the Office Assistant degrees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Gen BUS-094	Business Math	3.0
Core CIS-160	Practical Software Applications	3.0
Core CIS-058	Specialized Software Applications FA	3.0
Gen BUS-141	Business Communications	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Core BUS-115	Processing Info * SP	3.0
Core BUS-060	Automated Ofc Procedures	3.0
Core BUS-079	Professional Development SP	3.0
Core BUS-061	Office Transcription * SP	3.0
Core CIS-094	Excel	2.0
Core BUS-095	Fundamentals of Accounting or	
Core BUS-221	Financial Accounting *	3.0
	SEMESTER TOTALS	17.0
	TOTAL PROGRAM HOURS	32.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE SUPPORT SPECIALIST

(NDP.OFSK.GEN) CERTIFICATE

Area of Study - Office Professionals

Students will complete coursework in Microsoft Office software, keyboarding, document formatting, and accounting to prepare for an office support position. All courses apply toward one of the Office Assistant degrees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	BUS-114	Advanced Formatting *	3.0
Core	CIS-160	Practical Software Applications	3.0
Core	BUS-141	Business Communications or	
Core	BUS-079	Professional Development SP	3.0
Core	BUS-095	Fundamentals of Accounting	3.0
Ele	--- ---	BUS or CIS Elective	6.0
		SEMESTER TOTALS	18.0
		TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE SUPPORT SPECIALIST-MEDICAL

(NDP.OFSK.MED) CERTIFICATE

Area of Study - Office Professionals

Students will complete coursework in Microsoft Office software, keyboarding, document formatting, and accounting to prepare for an office support position. In addition, students will take courses in medical terminology, medical insurance and coding, and medical transcription. All courses apply toward one of the Office Assistant degrees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core	BUS-114 Advanced Formatting *	3.0
Core	CIS-160 Practical Software Applications	3.0
Core	BUS-141 Business Communications or	
Core	BUS-079 Professional Development SP	3.0
Core	MCS-041 Medical Office Terminology	3.0
Core	BUS-061 Office Transcription * SP	3.0
Core	BUS-059 Medical Insurance and Coding	3.0
	SEMESTER TOTALS	18.0
	TOTAL PROGRAM HOURS	18.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Sarah Wright
Faculty Email: swright2756@lakelandcollege.edu
Faculty Phone: 217-234-5355

OFFICE SUPPORT SPECIALIST-MICROSOFT OFFICE

(NDP.OFSK.MOS) CERTIFICATE

Area of Study - Office Professionals

Students will complete coursework that focuses on Microsoft Office software, keyboarding, and document formatting to prepare for an office support position. All courses apply toward one of the Office Assistant degrees.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core BUS-114	Advanced Formatting *	3.0
Core CIS-160	Practical Software Applications	3.0
Core BUS-141	Business Communications or	
Core BUS-079	Professional Development SP	3.0
Core CIS-093	Access	2.0
Core CIS-094	Excel	2.0
Core CIS-056	Advanced Software Applications *	3.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	16.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
SP Course only offered spring semester

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

PARAMEDICAL SERVICES -TRACK

(AAS.PS.TRK) ASSOCIATE IN LIBERAL STUDIES
Area of Study - Health Services

The Paramedical Services Track prepares the student for acceptance into either the certificate or associate in applied science degree program for Paramedical Services. Upon successful completion of the program, the student will be eligible to take the National Registry of Emergency Medical Technicians examination.

Application Process/Admission Criteria

The Paramedical Services program is a competitive, special admission program that uses an objective formula to rank applicants. Applicants seeking admission into either the Paramedical Services certificate or associate in applied science degree programs for the spring semester must have a completed application on file in the EMS department prior to the admissions deadline of November 1st. The program will notify applicants within six weeks of the admission deadline of tentative acceptance/denial.

To have a completed application on file, students must do the following:

1. Complete an application to the college, selecting the Paramedical Services Track as a course of study. (Note: College acceptance does not guarantee admission into the program.)
2. Submit official transcripts from any other colleges attended to Admissions & Records. Request a transcript evaluation for the CRT.PS or AAS.PS.
3. Complete the online Paramedical Services Application at https://www.lakelandcollege.edu/emergency-medical-services. Within two weeks of receipt of the application, the student will be notified via email of eligibility.
4. Successful completion of the prerequisite EMS 047, EMS 048, and EMS 049; six months of employment experience with employment verification OR current Illinois Basic license with letter of recommendation from EMS Systems Coordinator, Fire Chief or Ambulance Manager.
5. Successful completion of BIO-050 or BIO-225 with grade "C" or above prior to starting the program in the spring OR if accepted, during the first semester of the program.

For more information, review the Paramedical Services Application Checklist at https:// www.lakelandcollege.edu/emergency-medical-services. For the CRT.PS and AAS.PS, there are prerequisites that need to be taken prior to acceptance:
1. EMS 047 Fundamentals of EMS*
2. EMS 048 Basic EMS Care Skills*
3. EMS 049 EMS Clinical Experience*
4. BIO 050 Basic Anatomy & Physiology or BIO 225 Human Anatomy & Physiology I*

For the AAS.PS, courses are required for program completion and may be taken prior to acceptance:
1. ENG-119 Composition I* Pathway or ENG-120 Composition* I
2. PSY 271 Introduction to Psychology or COM 111 Intro to Speech Communication
3. PSY 279 Human Dev/Life Span
4. HED 290 Disease Processes*
5. BIO 226 Human Anatomy & Physiology II*
6. AHE 041 Medical Terminology
7. AHE 055 Math for Meds

The Allied Health Program guidelines and expectations align with the College's Pandemic Safety Response Guidelines. If the College updates the guidelines, the Allied Health Programs will follow the new guidelines. If clinical partners impose more restrictive guidelines, such as a vaccination mandate, the Allied Health programs will follow the clinical partner's guidelines. If a student refuses to comply with the clinical site's protocols, he/she/they will fail to meet clinical objectives and will therefore fail the course.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

PARAMEDICAL SERVICES

(AAS.PS) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Health Services

Upon successful completion of the Paramedical Services will be eligible to take the National Registry of Emergency Medical Technicians examination.

Application Process/Admission Criteria

The Paramedical Services program is a competitive, special admission program that uses an objective formula to rank applicants. Applicants seeking admission into the Paramedical Services associate in applied science degree programs for the spring semester must have a completed application on file in the EMS department prior to the admissions deadline of November 1st. The program will notify applicants within six weeks of the admission deadline of tentative acceptance/denial.

To have a completed application on file, students must do the following:
1. Complete an application to the college, selecting the Paramedical Services Track as a course of study. (Note: College acceptance does not guarantee admission into the program.)
2. Submit official transcripts from any other colleges attended to Admissions & Records. Request a transcript evaluation for the AAS.PS.
3. Complete the online Paramedical Services Application at https://www.lakelandcollege.edu/emergency-medical-services. Within two weeks of receipt of the application, the student will be notified via email of eligibility.
4. Successful completion of the prerequisite EMS 047, EMS 048, and EMS 049; six months of employment experience with employment verification OR current Illinois Basic license with letter of recommendation from EMS Systems Coordinator, Fire Chief or Ambulance Manager.
5. Successful completion of BIO-050 or BIO-225 with grade "C" or above prior to starting the program in the spring OR if accepted, during the first semester of the program.

For more information, review the Paramedical Services Application Checklist at https:// www.lakelandcollege.edu/emergency-medical-services.

The AAS.PS has prerequisites that must be taken prior to acceptance:
1. EMS 047 Fundamentals of EMS*
2. EMS 048 Basic EMS Care Skills*
3. EMS 049 EMS Clinical Experience*
4. BIO 050 Basic Anatomy & Physiology or BIO 225 Human Anatomy & Physiology I*

Additionally, some courses are required for program completion and may be taken prior to acceptance:
1. ENG 119 Composition I Pathway* or ENG 120 Composition I*
2. PSY 271 Introduction to Psychology or COM 111 Intro to Speech Communication
3. PSY 279 Human Dev/Life Span
4. HED 290 Disease Processes*
5. BIO 226 Human Anatomy & Physiology II*
6. AHE 041 Medical Terminology
7. AHE 055 Math for Meds

The Allied Health Program guidelines and expectations align with the College's Pandemic Safety Response Guidelines. If the College updates the guidelines, the Allied Health Programs will follow the new guidelines. If clinical partners impose more restrictive guidelines, such as a vaccination mandate, the Allied Health programs will follow the clinical partner's guidelines. If a student refuses to comply with the clinical site's protocols, he/she/they will fail to meet clinical objectives and will therefore fail the course.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

ADDITIONAL INFORMATION ON NEXT PAGE

SPECIAL ADMISSION REQUIREMENTS

		Hours
Core	EMS-047 Fundamentals of EMS *	6.0
Core	EMS-048 Basic EMS Care Skills *	1.0
Core	EMS-049 EMS Clinical Experience *	0.5
	SEMESTER TOTALS	7.5

FIRST YEAR

First Semester		Hours
Gen	BIO-225 Human Anatomy and Physiology I *	4.0
Gen	ENG-119 Composition I Pathway * or	
Gen	ENG-120 Composition I *	3.0
Gen	HED-290 Disease Processes *	3.0
	SEMESTER TOTALS	10.0
Second Semester		
Core	EMS-061 Fundamentals of Paramedicine I *	5.0
Core	EMS-064 Paramedic Care Skills I *	4.0
Core	EMS-068 Clinical Experience I *	1.5
Gen	PSY-279 Human Dev/Life Span	3.0
	SEMESTER TOTALS	13.5
Summer Term		
Core	EMS-071 Fundamentals Paramedicine II *	4.0
Core	EMS-074 Paramedical Care Skills II *	1.0
Core	EMS-078 Clinical Experience II *	1.5
	SEMESTER TOTALS	6.5

SECOND YEAR

First Semester		Hours
Core	EMS-062 EMS Pharmacology *	2.0
Core	EMS-086 Fundamentals Paramedicine III *	4.0
Core	EMS-084 Paramedical Care Skills III *	3.0
Core	EMS-088 Clinical Experience III *	2.0
Gen	PSY-271 Introduction to Psychology or	
Gen	COM-111 Intro to Speech Communication	3.0
	SEMESTER TOTALS	14.0
Second Semester		
Core	EMS-092 Fundamentals Paramedicine IV *	2.0
Core	EMS-094 Paramedical Care Skills IV *	3.0
Core	EMS-098 Paramedic Capstone Internship *	1.5
Gen	BIO-226 Human Anatomy and Physiology II *	4.0
	SEMESTER TOTALS	10.5
	TOTAL PROGRAM HOURS	62.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

PARAMEDICAL SERVICES

(CRT.PS) CERTIFICATE

Area of Study - Health Services

Upon successful completion of the Paramedical Services certificate (CRT.PS), the student will be eligible to take the National Registry of Emergency Medical Technicians examination.

Application Process/Admission Criteria

The Paramedical Services program is a competitive, special admission program that uses an objective formula to rank applicants. Applicants seeking admission into either the Paramedical Services certificate or associate in applied science degree programs for the spring semester must have a completed application on file in the EMS department prior to the admissions deadline of November 1st. The program will notify applicants within six weeks of the admission deadline of tentative acceptance/denial. To have a completed application on file, students must do the following:

1. Complete an application to the college, selecting the Paramedical Services Track as a course of study. (Note: College acceptance does not guarantee admission into the program.)
2. Submit official transcripts from any other colleges attended to Admissions & Records. Request a transcript evaluation for the CRT.PS.
3. Complete the online Paramedical Services Application at https://www.lakelandcollege.edu/emergency-medical-services. Within two weeks of receipt of the application, the student will be notified via email of eligibility.
4. Successful completion of the prerequisite EMS 047, EMS 048, and EMS 049; six months of employment experience with employment verification OR current Illinois Basic license with letter of recommendation from EMS Systems Coordinator, Fire Chief or Ambulance Manager.
5. Successful completion of BIO 050 with grade "C" or above prior to starting the program in the spring OR if accepted, during the first semester of the program.

For more information, review the Paramedical Services Application Checklist at https://www.lakelandcollege.edu/emergency-medical-services.

The CRT.PS has prerequisites that need to be taken prior to acceptance:

1. EMS 047 Fundamentals of EMS*
2. EMS 048 Basic EMS Care Skills*
3. EMS 049 EMS Clinical Experience*
4. BIO 050 Basic Anatomy & Physiology or BIO 225 Human Anatomy & Physiology I*

The Allied Health Program guidelines and expectations align with the College's Pandemic Safety Response Guidelines. If the College updates the guidelines, the Allied Health Programs will follow the new guidelines. If clinical partners impose more restrictive guidelines, such as a vaccination mandate, the Allied Health programs will follow the clinical partner's guidelines. If a student refuses to comply with the clinical site's protocols, he/she/they will fail to meet clinical objectives and will therefore fail the course.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

SPECIAL ADMISSION REQUIREMENTS		
		Hours
Core	EMS-047 Fundamentals of EMS *	6.0
Core	EMS-048 Basic EMS Care Skills *	1.0
Core	EMS-049 EMS Clinical Experience *	0.5
Gen	BIO-050 Basic Anatomy & Physiology	4.0
	SEMESTER TOTALS	11.5

ADDITIONAL INFORMATION ON NEXT PAGE

FIRST YEAR

First Semester		Hours
Core EMS-061	Fundamentals of Paramedicine I *	5.0
Core EMS-064	Paramedic Care Skills I *	4.0
Core EMS-068	Clinical Experience I *	1.5
	SEMESTER TOTALS	10.5
Second Semester		
Core EMS-071	Fundamentals Paramedicine II *	4.0
Core EMS-074	Paramedical Care Skills II *	1.0
Core EMS-078	Clinical Experience II *	1.5
	SEMESTER TOTALS	6.5

SECOND YEAR

First Semester		Hours
Core EMS-062	EMS Pharmacology *	2.0
Core EMS-084	Paramedical Care Skills III *	3.0
Core EMS-086	Fundamentals Paramedicine III *	4.0
Core EMS-088	Clinical Experience III *	2.0
	SEMESTER TOTALS	11.0
Second Semester		
Core EMS-092	Fundamentals Paramedicine IV *	2.0
Core EMS-094	Paramedical Care Skills IV *	3.0
Core EMS-098	Paramedic Capstone Internship *	1.5
	SEMESTER TOTALS	6.5
	TOTAL PROGRAM HOURS	46.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

PARAPROFESSIONAL EDUCATION

(CRT.PRPRO) CERTIFICATE

Area of Study - Education

This program is designed to provide students with the knowledge base and practical skills necessary for assisting with children and teachers in a public school setting. The certificate option is the first year of the two-year associate in applied science degree in Paraprofessional Education. Students are encouraged to check with their local school district on specific college education requirements needed in the field of paraprofessional education.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core EDU-100	Introduction to Education ^^^	3.0
Core ECE-095	Creative Activities for Children	4.0
Gen MAT-118	Math for Elem Teachers I *	3.0
Core ECE-110	Child Behavior Management	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core EDU-103	Teaching/Learning W/Technology	3.0
Gen PSY-274	Child Development	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core EDU-190	Introduction/Special Education	3.0
Gen MAT-218	Math for Elem Teachers II *	3.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	31.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

PARAPROFESSIONAL EDUCATOR

(AAS.PRPRO) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Education

This program is designed to provide students with the knowledge base and practical skills necessary for assisting teachers in a public school setting. This degree is suited for individuals who desire a career working with children in an educational learning environment. In response to the No Child Left Behind Act, this degree in Paraprofessional Education meets the recommended curriculum outlined by the Illinois State Board of Education.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core EDU-103	Teaching/Learning W/Technology	3.0
Core EDU-100	Introduction to Education	3.0
Gen MAT-118	Math for Elem Teachers I *	3.0
Core ECE-110	Child Behavior Management	3.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen ENG-121	Composition II *	3.0
Gen MAT-218	Math for Elem Teachers II *	3.0
Gen HUM-150	Humanities Through the Arts	3.0
Gen BIO-100	Bio Science I	4.0
Core EDU-190	Introduction/Special Education	3.0
	SEMESTER TOTALS	16.0

SECOND YEAR		
First Semester		Hours
Gen COM-111	Intro to Speech Communication	3.0
Core ECE-095	Creative Activities for Children	4.0
Core ECE-102	Health/Safety/Nutri/Yng Child	3.0
Gen PSY-271	Introduction to Psychology or	
Gen HIS-153	History/Culture of Non-Western Civ.	3.0
Core EDU-210	Diversity in Schools and Societies	3.0
	SEMESTER TOTALS	16.0
Second Semester		
Core ECE-083	Instructional Methods	3.0
Core ECE-120	Field Experience Seminar *	1.0
Core ECE-125	Field Experience *	0.5
Core EDU-200	Educational Psychology	3.0
Gen PSY-274	Child Development	3.0
	SEMESTER TOTALS	10.5
	TOTAL PROGRAM HOURS	57.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

PHYSICAL THERAPIST ASSISTANT - TRACK

(AAS.PTA.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Health Services

The Physical Therapist Assistant Track prepares the student for acceptance into the Physical Therapist Assistant (PTA) program. Applicants are instructed to begin their PTA application with the AAS.PTA.TRK major code. Students are counseled on admission requirements into the PTA Program as well as preparatory course work that will increase their success rate once they are accepted into the PTA program. Once accepted into the PTA program, the major code will be changed to AAS.PTA.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Martha Mioux
Faculty Email: mmioux@lakelandcollege.edu
Faculty Phone: 217-540-3551

PHYSICAL THERAPIST ASSISTANT

(AAS.PTA) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Health Services

The Physical Therapist Assistant (PTA) is a skilled health employee working under the supervision of a licensed physical therapist to provide direct care to patients in a variety of health care settings. The professional care given by the PTA focuses on patients of all ages with temporary or permanent functional limitations due to illness, disease or injury. The PTA works closely with patients to restore function, prevent or relieve pain, prevent disability and restore physical coordination, strength and mobility through therapeutic exercise and the application of modalities. Physical therapy is a physically demanding job. Students need to have good general health and the strength, stamina and flexibility necessary to carry out assignments.

Housed at the Lake Land College Effingham Technology Center in Effingham, Illinois, the PTA program is a five consecutive semester program which includes classroom, skills laboratory and clinical experience in various healthcare facilities. Once admitted to the program, the student must progress through the courses corresponding to the curriculum model. A "C" grade is required in all PTA program curriculum courses for progression/completion.

The PTA program at Lake Land College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE, 3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone: 703-706-3245; email: accreditation@apta.org; website: capteonline.org.) If needing to contact the PTA program directly, please call 217-540-3551 or email mmioux@lakelandcollege.edu.

The PTA program was initially granted accreditation in 1994, and has been granted reaccreditation in 1999, 2008 and 2018. The next reaccreditation site visit is scheduled for 2029. Students who have successfully completed the program will be eligible to sit for the National Board Examination for Physical Therapist Assistants.

The PTA program is competitive and selects 24 students for each fall class. PTA application requirements include admission to Lake Land College; completion of the PTA program application form (obtained from the PTA website); completion of the college placement assessment tests (PTA applicants are eligible to take the college placement assessment tests more than twice); and completion of the one (1) Biology prerequisite course (one year high school biology/zoology/A & P, or Lake Land College BIO 050, Basic Anatomy and Physiology; or BIO 100, Bio Science I; or BIO 225, Human Anatomy and Physiology I; or BIO 226, Human Anatomy and Physiology II; or equivalent) with a "C" or better within the past five (5) years. It is the responsibility of students to see that their application file is completed by March 1 for consideration for the fall semester. In addition to tuition and fees, costs for the PTA program include: physical examination and immunization, CPR certification, workbooks, criminal background check, drug testing, clinical attire, transportation to clinical experiences (attempts will be made to keep travel distance no greater than 75 miles one way or 1.5 hours) and the board exam/license fee.

Download the PTA Selection Process Sheet and Checklist from the College website for the complete application procedure.

Interested students should submit the college application and list their major as Physical Therapist Assistant Track (AAS.PTA.TRK) when selecting a major.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

ADDITIONAL INFORMATION ON NEXT PAGE

FIRST YEAR

First Semester		Hours
Core PTA-080	Fundamentals of PTA I * FA	4.0
Core PTA-081	PTA Skills Lab * FA	2.5
Core PTA-083	Medical Terminology for PTA * FA	2.0
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Gen BIO-225	Human Anatomy and Physiology I *	4.0
	SEMESTER TOTALS	15.5
Second Semester		
Core PTA-082	Fundamentals of PTA II * SP	6.0
Gen BIO-226	Human Anatomy and Physiology II *	4.0
Gen PED-244	Kinesiology * SP	4.0
Core PTA-084	PTA Pathology * SP	3.0
	SEMESTER TOTALS	17.0
Summer Term		
Core PTA-085	PTA Practicum III * SU	2.0
Core PTA-086	Neurology for the PTA * SU	2.0
	SEMESTER TOTALS	4.0

SECOND YEAR

First Semester		Hours
Core PTA-094	Fundamentals of PTA III * FA	6.0
Core PTA-095	Orthopedic Concepts & Appl * FA	4.0
Core PTA-097	PTA Practicum IV * FA	3.0
	SEMESTER TOTALS	13.0
Second Semester		
Core PTA-096	Fundamentals of PTA IV * SP	5.0
Core PTA-099	PTA Practicum V * SP	4.0
Core PTA-098	PTA Seminar * SP	2.0
Gen PSY-279	Human Dev/Life Span	3.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	63.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.
FA Course only offered fall semester
SP Course only offered spring semester
SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Martha Mioux
Faculty Email: mmioux@lakelandcollege.edu
Faculty Phone: 217-540-3551

PRACTICAL NURSING - TRACK

(CRT.PN.TRK) ASSOCIATE IN LIBERAL STUDIES
Area of Study - Health Services

The Practical Nursing Certificate Track (CRT.PN.TRK) prepares the student for acceptance into the Practical Nursing (PN) program. Program graduates are eligible to apply to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). Upon successful completion of the NCLEX-PN, the graduate may apply for LPN licensure. Completion of the PN program does not guarantee LPN licensure.

State regulations require that qualified in-district residents be accepted before consideration is given to out-of-district applicants.

Application Process/Admission Criteria

The PN program is a competitive, special admission program which uses an objective formula to rank applicants. Applicants seeking admission into the Practical Nursing Program for Fall semester must have a completed application on file in the nursing department prior to the admission deadline of March 1st. The program will notify applicants within two weeks of the admission deadline of tentative acceptance/denial.

In order to have a completed application on file, students must do the following:

1. Complete an Application to the College selecting CRT.PN.TRK as course of study. (Note: College acceptance does not guarantee admission into the program.)
2. Submit official transcripts from any other colleges attended to Admissions & Records. Request a transcript evaluation for CRT.PN.
3. Complete the online Nursing Program Admission Application at https://www.lakelandcollege.edu/nursing-program-intent/. Within 4 weeks of receipt of application, the student will receive email instructions to register for the HESI A2 Admissions Assessment exam.
4. Achieve a score of 70 or above on the HESI A2 Admissions Assessment exam. To ensure a completed application, applicants should take the exam the Fall semester prior to the March 1st application deadline.

For more information, review the PN Application Checklist at https://www.lakelandcollege.edu/wp-content/laker-documents/a s/as/academicprograms/catalog/PNChecklist.pdf.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Cassandra Porter
Faculty Email: cporter@lakelandcollege.edu
Faculty Phone: 217-234-5452

PRACTICAL NURSING

(CRT.PN) CERTIFICATE

Area of Study - Health Services

The Practical Nursing program is a three semester program including classroom, skills laboratory, and clinical experience in a variety of healthcare agencies. Program graduates are eligible to apply to take the National Council Licensure Examination for Practical Nursing (NCLEX-PN). Upon successful completion of the NCLEX-PN, the graduate may apply for PN licensure. Completion of the PN program does not guarantee PN licensure.

The program is approved by the Illinois Department of Financial and Professional Regulation (IDFPR). State regulations require that qualified in-district residents be accepted before consideration is given to out-of-district applicants.

The practical nursing program at Lake Land College at the main campus located in Mattoon, Illinois and the Effingham Technology Center located in Effingham, Illinois is accredited by the: Accreditation Commission for Education in Nursing (ACEN) 3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326 (404) 975-5000 The most recent accreditation decision made by the ACEN Board of Commissioners for the Practical nursing program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at http://www.acenursing.us/accreditedprograms/programSearch.ht m

The PN program is a competitive, special admission program which uses an objective formula to rank applicants. Applicants seeking admission into the Practical Nursing Program for Fall semester must have a completed application on file in the nursing department prior to the admission deadline of March 1st. Applicants are notified via Lake Land email of tentative acceptance/denial within two weeks of the admission deadline.

To review the Application Process and Admission Criteria refer to the Practical Nursing Track page.

Acceptance

Final acceptance is tentative upon receipt of the following:
1. Completed Physical
2. Proof of immunizations
3. Current CPR certification (Note: CPR and immunizations must remain current throughout program)
4. A background check
5. A negative drug screen is required prior to the start of clinical experiences.

Cost

In addition to tuition and fees, costs include textbooks and software products, uniforms, supplies, physical examination and immunizations, CPR certification, background check, drug screen, and transportation to clinical experiences. Additional expenses upon completion of the program include NCLEX-PN test and licensure application fees.

Students must progress through the nursing courses in the following curriculum model. A "C" grade is required in all curriculum courses for progression/completion.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

ADDITIONAL INFORMATION ON NEXT PAGE

FIRST YEAR		
First Semester		Hours
Core PNC-049	Found of Nursing * or	
Core AHE-060	A&P for Allied Health *	6.0
Core PNC-050	Practical Nursing I *	8.0
Core PNC-050C	Practical Nursing I Clinical *	2.0
	SEMESTER TOTALS	16.0
Second Semester		
Core PNC-052	Practical Nursing II *	12.0
Core PNC-052C	Practical Nursing 2 Clinical *	3.0
Core PNC-053	Basic Pharmacology I *	2.0
	SEMESTER TOTALS	17.0
Summer Term		
Core PNC-054	Practical Nursing III *	5.0
Core PNC-054C	Practical Nursing 3 Clinical *	2.0
Core PNC-055	Basic Pharmacology II *	1.0
	SEMESTER TOTALS	8.0
	TOTAL PROGRAM HOURS	41.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Cassandra Porter
Faculty Email: cporter@lakelandcollege.edu
Faculty Phone: 217-234-5452

PROFESSIONAL SALES

(CRT.SALES) CERTIFICATE

Area of Study - Business Management

The certificate in Professional Sales prepares students for entry level positions in sales. Employees can use this program to prepare for upward mobility and/or update sales and marketing skills. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in management or marketing.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	BUS-090	Prin of Retailing SU or	
Core	BUS-142	Introduction to Business	3.0
Core	BUS-247	Principles of Marketing	3.0
Core	BUS-092	Principles of Selling	3.0
Gen	BUS-141	Business Communications	3.0
Core	CIS-160	Practical Software Applications	3.0
Gen	BUS-094	Business Math	3.0
Ele	--- ---	Career Elective	6.0
		SEMESTER TOTALS	24.0
		TOTAL PROGRAM HOURS	24.0

SU Course offered in summer term only

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

PROGRAMMABLE LOGIC CONTROLLERS

(NDP.PLC) CERTIFICATE

Area of Study - Manufacturing

This program is designed for students who already have a background in electrical or electronic skills and wish to obtain specialized skills in PLC programming.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core EET-086	Prog Logic Controllers I *	2.0
Core EET-087	Prog Logic Controllers II *	2.0
Core EET-075	HMI-Human Machine Interface *	2.0
	SEMESTER TOTALS	6.0
	TOTAL PROGRAM HOURS	6.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Michael Beavers
Faculty Email: mbeavers@lakelandcollege.edu
Faculty Phone: 217-234-5341

RADIO BROADCASTING

(CRT.RBRD) CERTIFICATE

Area of Study - Humanities & Social Science

Students will learn how to be a multi-skilled broadcaster capable of performing a wide variety of tasks performed at a radio station by participating in an intensive, hands-on program. Students will gain knowledge of sales, announcing, radio operations, and the practical/theoretical aspects of radio broadcasting. All coursework in the Radio Broadcasting certificate can be applied to an associate in applied science degree in Broadcast Communication.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR			
First Semester			Hours
Core	COM-150	Introduction to Broadcasting	3.0
Core	COM-155	Radio-TV Announcing	3.0
Core	COM-070	Radio Production Lab	5.0
Ele	COM-180	Basic TV Production or	
Ele	--- ---	COM Elective	3.0
		SEMESTER TOTALS	14.0
Second Semester			
Core	COM-160	Radio Station Operation	5.0
Core	COM-165	Broadcast Writing	4.0
Core	COM-175	Broadcast Sales	3.0
Core	COM-185	Advanced Radio Production *	4.0
		SEMESTER TOTALS	16.0
		TOTAL PROGRAM HOURS	30.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Powers
Faculty Email: gpowers@lakelandcollege.edu
Faculty Phone: 217-234-5335

RESIDENTIAL WIRING

(NDP.RSWR) CERTIFICATE

Area of Study - Architecture & Construction

The Residential Wiring certificate is designed to prepare graduates for employment in residential construction occupations. The program focuses on the fundamentals of direct current and alternating current, technical mathematics, safety and residential wiring procedures according to the National Electrical Code. Graduates of this program will function as skilled technicians performing installation, troubleshooting, maintenance and repair of electrical systems associated with residential power.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Gen APT-050	Electrical Principles/Practice *	4.0
Core TEC-043	Industrial Safety	1.0
Core EET-088	Residential Wiring	2.0
Core EET-098	Residential & Commercial Appl *	2.0
Core EET-099	Electric Code Fundamentals	2.0
	SEMESTER TOTALS	14.0
	TOTAL PROGRAM HOURS	14.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Kris Kersey
Faculty Email: kkersey@lakelandcollege.edu
Faculty Phone: 217-234-5304

RETAIL MANAGEMENT

(NDP.RTMGT) CERTIFICATE

Area of Study - Business Management

The certificate in Retail Management program prepares students for a career in the retailing industry. The program is designed to build the knowledge and expertise of both those who wish to work for an established retail chain, or those who plan to own and operate an independent retailing business. All courses satisfactorily completed in this certificate program will apply to the associate in applied science degree with a major in management.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Core	BUS-142 Introduction to Business	3.0
Core	BUS-290 Human Resource Management	3.0
Core	BUS-251 Principles of Management	3.0
Core	BUS-090 Prin of Retailing	3.0
Core	CIS-160 Practical Software Applications	3.0
Core	BUS-095 Fundamentals of Accounting	3.0
	SEMESTER TOTALS	18.0
	TOTAL PROGRAM HOURS	18.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

ROBOTIC & CIM AUTOMATION

(AAS.CIM) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

This program is designed to give the student a broad background in the basics of robotics, automation, mechanics, fluid power, CAD, electronics and computer applications in manufacturing. Graduates will be prepared for the manufacturing jobs of the future in positions such as CAD/CAM operator/designer, manufacturing engineering technician, quality control technician, robotics technician, CNC operator/programmer, CIM or Automation Technician. Employment opportunities exist in many types of manufacturing industries, service industries and consulting firms. Upon completion, students can also receive other industry recognized certificates from Lake Land, Fanuc, OSHA, AutoCad, Industrial Robotics, and others. Students planning to continue their education at Eastern Illinois University or Southern Illinois University to earn a bachelor's degree in Industrial or Engineering Technology should consult their advisor/counselor for course requirements and substitutions.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Gen APT-041	Applied Mathematics I or	
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra *	4.0
Core CAD-056	CAD I	2.0
Core APT-050	Electrical Principles/Practice	4.0
Gen ENG-050	Writing for Industry or	
Gen ENG-098	Communications I or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core CIM-044	Industrial Robotics	2.0
	SEMESTER TOTALS	15.0
Second Semester		
Gen APT-042	Applied Mathematics II *	2.0
Gen APT-043	Applied Mathematics III *	2.0
Core CAD-057	CAD II	3.0
Core MTT-050	Intro to Machining Procedures	3.0
Gen SOS-052	Workplace Communication/Safety or	
Gen COM-111	Intro to Speech Communication	3.0
Core WLD-040	Welding Fundamentals	2.5
	SEMESTER TOTALS	15.5

SECOND YEAR

First Semester		Hours
Core EET-086	Prog Logic Controllers I *	2.0
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
Core CIM-092	Computer-Aided Manufacturing *	3.0
Core IND-044	Fluid Power	3.0
Core TEC-070	Properties of Metal	2.5
Core EET-072	Relays and Control Circuits	2.0
	SEMESTER TOTALS	15.5
Second Semester		
Core EET-087	Prog Logic Controllers II *	2.0
Core CAD-062	Introduction to Solidworks	2.0
Core MET-084	Technical Mechanisms *	3.0
Core CIM-094	Computer Integrated Manf *	3.0
Core CIM-060	CNC Machining *	3.0
Core EET-075	HMI-Human Machine Interface *	2.0
	SEMESTER TOTALS	15.0
	TOTAL PROGRAM HOURS	61.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Brian Madlem
Faculty Email: bmadlem@lakelandcollege.edu
Faculty Phone: 217-234-5348

SURGICAL TECHNOLOGY -TRACK

(AAS.SRT.TRK) ASSOCIATE IN LIBERAL STUDIES

Area of Study - Health Services

To prepare entry-level Surgical Technologists who are competent in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains to enter the profession. Using a variety of learning resources, students will acquire the knowledge base of aseptic technique and sterilization, surgical instrumentation and equipment, surgical procedures and patient care skills. During the clinical portion of the program, students will complete a minimum of 120 cases of various surgical specialties in the first and second scrub roles while supervised by a clinical preceptor.

This five-semester program includes general education and surgical technology courses and leads to an Associate of Applied Science degree.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Erica Hotze
Faculty Email: ehotze@lakelandcollege.edu
Faculty Phone: 217-234-5547

SURGICAL TECHNOLOGY

(AAS.SRT) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Health Services

To prepare entry-level Surgical Technologists who are competent in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains to enter the profession. Using a variety of learning resources, students will acquire the knowledge base of aseptic technique and sterilization, surgical instrumentation and equipment, surgical procedures and patient care skills. During the clinical portion of the program, students will complete a minimum of 120 cases of various surgical specialties in the first and second scrub roles while supervised by a clinical preceptor.

This five-semester program includes general education and surgical technology courses and leads to an Associate of Applied Science degree.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR

First Semester		Hours
Core BIO-225	Human Anatomy and Physiology I	4.0
Ele ENG-119	Composition I Pathway * or	
Ele ENG-120	Composition I *	3.0
Core AHE-041	Medical Terminology	3.0
Core SRT-040	Prof. Practice-Surgical Tech	3.0
	SEMESTER TOTALS	13.0
Second Semester		
Core BIO-226	Human Anatomy and Physiology II	4.0
Gen COM-200	Interpersonal Communication or	
Gen ENG-121	Composition II * or	
Gen COM-111	Intro to Speech Communication	3.0
Core SRT-041	Anesthesia & Pharm Surg Tech	3.0
Core SRT-042	Surg Tech Skills	2.0
Core SRT-042L	Surg Tech Skills Lab *	4.0
	SEMESTER TOTALS	16.0
Summer Term		
Core SRT-043	Surg Tech Practicum I	2.0
Core SRT-044	Surgial Procedures I	4.0
	SEMESTER TOTALS	6.0

SECOND YEAR

First Semester		Hours
Ele PSY-279	Human Dev/Life Span	3.0
Core SRT-045	Surgical Procedures II	4.0
Core SRT-046	Surg Tech Practicum II	6.0
	SEMESTER TOTALS	13.0
Second Semester		
Core SRT-047	Surg Tech Practicum III	6.0
Core SRT-048	Surgcal Technology Capstone	3.0
Core SRT-050	Surg Technology Exam Review	3.0
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Erica Hotze
Faculty Email: ehotze@lakelandcollege.edu
Faculty Phone: 217-234-5547

TV FIELD/STUDIO PRODUCTION

(NDP.TVFS) CERTIFICATE

Area of Study - Humanities & Social Science

Students will gain experience with the equipment used in studio and on-location video productions and learn to work as a director, video editor, audio engineer, floor director, and camera operator. All coursework in this certificate program can be applied to an associate in applied science degree in Broadcast Communication.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Core COM-150	Introduction to Broadcasting	3.0
Core COM-155	Radio-TV Announcing	3.0
Core COM-180	Basic TV Production	3.0
	SEMESTER TOTALS	9.0
Second Semester		
Core COM-165	Broadcast Writing	4.0
Gen COM-111	Intro to Speech Communication	3.0
Core --- ---	Broadcast Internship or	
Core --- ---	COM Elective	3.0
	SEMESTER TOTALS	10.0
	TOTAL PROGRAM HOURS	19.0

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Powers
Faculty Email: gpowers@lakelandcollege.edu
Faculty Phone: 217-234-5335

WELDING

(AAS.WEL) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

The welding AAS program provides experiences that enable students to develop competencies necessary for employment in welding and other related occupations. Emphasis throughout the program is placed on developing skills in the following areas: safety, metal identification, metal cutting processes, machining, blueprint reading, OAW, SMAW, GMAW, GTAW (including stainless steel and aluminum). Students will gain valuable hands-on experience as they complete a minimum of 375 clock hours of Supervised Occupational Experience at an industry location. This program aligns with the AWS SENSE I Entry Welder Certification specifications for modules 1-9.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I or	
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * or	
Gen MAT 1--	Math Elective *	3.0
Core IND-062	Rigging and Hoisting	1.0
Core TEC-043	Industrial Safety	1.0
Core WLD-040	Welding Fundamentals	2.5
Core WLD-041	Metal Cutting and Fabrication	2.0
Core WLD-051	Shielded Metal Arc Welding I *	2.5
Core WLD-061	Gas Metal Arc Welding I *	2.5
	SEMESTER TOTALS	14.5
Second Semester		
Core WLD-052	Shielded Metal Arc Welding II *	2.5
Core WLD-062	Gas Metal Arc Welding II *	2.5
Core WLD-070	Gas Tungsten Arc Welding *	2.5
Core TEC-040	Print Reading for Industry	2.0
Core TEC-070	Properties of Metal	2.5
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	IAI Social/Behavioral Science Elective	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core WLD-053	Shielded Metal Arc Welding III *	2.5
Core WLD-063	Gas Metal Arc Welding III *	3.0
Core WLD-071	GTAW/Aluminum *	3.0
Core WLD-072	GTAW/Stainless Steel *	3.0
	SEMESTER TOTALS	14.5
Second Semester		
Gen SOS-052	Workplace Communication/Safety	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core MTT-050	Intro to Machining Procedures	3.0
Core WLD-080	Pipe Welding *	3.0
Core WLD-082	Advanced Welding Projects Lab *	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

WELDING CBE

(AAS.WEL.CBE) ASSOCIATE IN APPLIED SCIENCE

Area of Study - Manufacturing

The welding technology program is offered in a competency-based education (CBE) format, developing students' competency necessary for employment in welding and related occupations. Emphasis throughout the program is placed on developing skills in the following areas: safety, metal identification, metal cutting processes, machining, print reading, OAW, SMAW, GMAW and GTAW (including stainless steel and aluminum).

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I or	
Gen MAT-129	College Algebra Pathway * or	
Gen MAT-130	College Algebra * or	
Gen MAT ---	Math Elective *	3.0
Core INDC-062	Rigging and Hoisting	1.0
Core TECC-043	Industrial Safety	1.0
Core WLDC-041	Metal Cutting and Fabrication	2.0
Core WLDC-040	Welding Fundamentals	2.5
Core WLDC-051	Shielded Metal Arc Welding I *	2.5
Core WLDC-061	Gas Metal Arc Welding I *	2.5
	SEMESTER TOTALS	14.5
Second Semester		
Core WLDC-052	Shielded Metal Arc Welding II *	2.5
Core WLDC-062	Gas Metal Arc Welding II *	2.5
Core WLDC-070	Gas Tungsten Arc Welding *	2.5
Core TECC-040	Print Reading for Industry	2.0
Core TECC-070	Properties of Metals	2.5
Gen ECO-231	Principles of Economics I (Macro) or	
Gen --- ---	Social Science Elective	3.0
	SEMESTER TOTALS	15.0

SECOND YEAR		
First Semester		Hours
Gen ENG-050	Writing for Industry or	
Gen ENG-119	Composition I Pathway * or	
Gen ENG-120	Composition I *	3.0
Core WLDC-053	Shielded Metal Arc Welding III *	2.5
Core WLDC-063	Gas Metal Arc Welding III *	3.0
Core WLDC-071	GTAW/Aluminum *	3.0
Core WLDC-072	GTAW/Stainless Steel *	3.0
	SEMESTER TOTALS	14.5
Second Semester		
Gen SOS-052	Workplace Communication/Safety	3.0
Gen COM-111	Intro to Speech Communication	3.0
Core MTTC-050	Intro to Machining Procedures	3.0
Core WLDC-080	Pipe Welding *	3.0
Core WLDC-082	Advanced Welding Projects Lab *	4.0
	SEMESTER TOTALS	16.0
	TOTAL PROGRAM HOURS	60.0

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

WELDING TECHNOLOGY

(CRT.WEL) CERTIFICATE

Area of Study - Manufacturing

The welding program provides experiences that enable students to develop competencies necessary for employment in welding and other related occupations. Emphasis throughout the program is placed on developing skills in the following areas: safety, metal identification, metal cutting processes, machining, blueprint reading, OAW, SMAW, GMAW, GTAW (including stainless steel and aluminum). Students will gain valuable hands-on experience as they complete a minimum of 375 clock hours of Supervised Occupational Experience at an industry location. This program aligns with the AWS SENSE I Entry Welder Certification specifications for modules 1-9.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit."

Gainful employment - For more information regarding related occupations, graduation rates and program costs, view the Gainful Employment information provided on website.

FIRST YEAR		
First Semester		Hours
Gen APT-041	Applied Mathematics I	3.0
Core IND-062	Rigging and Hoisting	1.0
Core TEC-043	Industrial Safety	1.0
Core WLD-040	Welding Fundamentals	2.5
Core WLD-041	Metal Cutting and Fabrication	2.0
Core WLD-051	Shielded Metal Arc Welding I *	2.5
Core WLD-061	Gas Metal Arc Welding I *	2.5
	SEMESTER TOTALS	14.5
Second Semester		
Core WLD-052	Shielded Metal Arc Welding II *	2.5
Core WLD-062	Gas Metal Arc Welding II *	2.5
Core WLD-070	Gas Tungsten Arc Welding *	2.5
Core TEC-040	Print Reading for Industry	2.0
Core TEC-070	Properties of Metal	2.5
	SEMESTER TOTALS	12.0
	TOTAL PROGRAM HOURS	26.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

Call Counseling Services: 217-234-5232
Email: counsel@lakelandcollege.edu

Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065

WELDING TECHNOLOGY CBE

(CRT.WEL.CBE) CERTIFICATE

Area of Study - Manufacturing

The welding technology program is offered in a competency-based education (CBE) format, developing students' competency necessary for employment or continuing into the CBE associate in applied science in welding. Emphasis throughout the program is placed on developing skills in the following areas: print reading, industrial safety, metal identification, metal cutting processes, OAW, SMAW, GMAW and GTAW.

Program requirements may change over time. Specific degree/graduation requirements are determined by a degree audit.

FIRST YEAR		
First Semester		Hours
Gen	APT-041	Applied Mathematics I	3.0
Core	INDC-062	Rigging and Hoisting	1.0
Core	TECC-043	Industrial Safety	1.0
Core	WLDC-040	Welding Fundamentals	2.5
Core	WLDC-041	Metal Cutting and Fabrication	2.0
Core	WLDC-051	Shielded Metal Arc Welding I *	2.5
Core	WLDC-061	Gas Metal Arc Welding I *	2.5
		SEMESTER TOTALS	14.5
Second Semester			
Core	WLDC-052	Shielded Metal Arc Welding II *	2.5
Core	WLDC-062	Gas Metal Arc Welding II *	2.5
Core	WLDC-070	Gas Tungsten Arc Welding *	2.5
Core	TECC-040	Print Reading for Industry	2.0
Core	TECC-070	Properties of Metals	2.5
		SEMESTER TOTALS	12.0
		TOTAL PROGRAM HOURS	26.5

* There are prerequisites, corequisites, or minimum placement test scores for this course.

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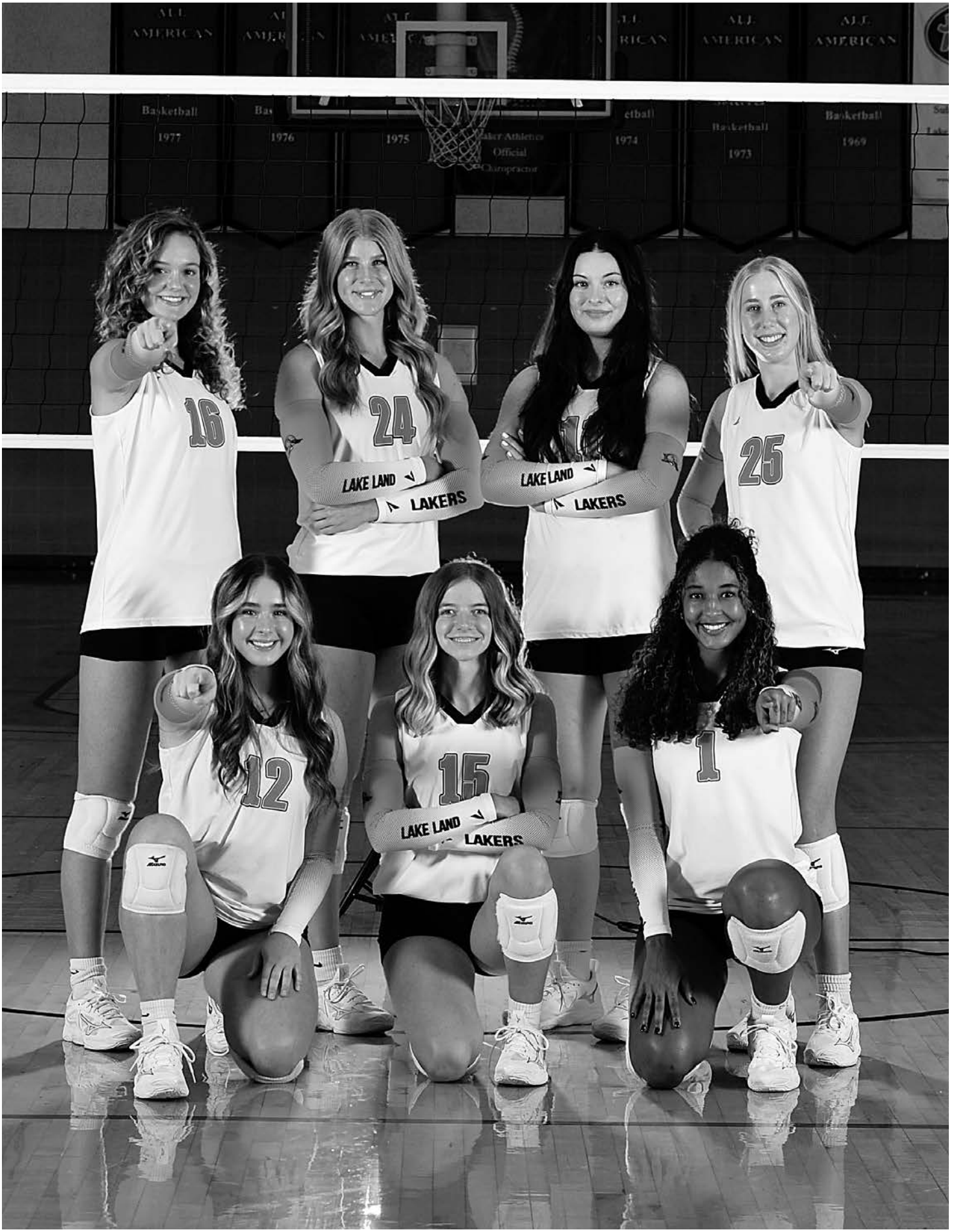
Faculty Contact: James Crowder
Faculty Email: jcrowder@lakelandcollege.edu
Faculty Phone: 217-234-5065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LAKE LAND
LAKERS

IN THIS CHAPTER:

- ENROLLMENT REQUIREMENTS
- INTERNATIONAL STUDENTS

ADMISSIONS

ADMISSION POLICY

Lake Land College maintains an open-door admission policy that provides access to higher education for those individuals who can benefit from its comprehensive programs. Admission to the college does not ensure entrance into a particular course or program of study since applicants may have to meet specific requirements for entrance into certain programs. Preference must be given to qualified in-district students and those students from qualified regional programs.

Lake Land College does not deny admission to a person on the basis of race, traits of race, color, sex, age, religion, national origin, ancestry, physical or mental disability, association with a person with a disability, marital status, military status, sexual orientation, gender identity, gender-related identity and expression, sex stereotypes, sex characteristics, pregnancy or related conditions, parental status, order of protection status, unfavorable discharge from military service, work authorization status, citizenship status, family responsibilities, actual or perceived decisions regarding reproductive health, or on any other basis protected by applicable federal and state law.

The College takes appropriate steps to ensure that the lack of English language skills will not be a barrier to admission and participation in educational programs.

Lake Land College admits students in the following categories:

1. High school graduate.
2. Recipient of a GED Certificate.
3. Transfer student from an accredited college.
4. Non-high school graduate 18 years of age or older. However, in order to be eligible for Title IV financial aid, a student admitted to the College without a high school diploma or GED diploma must "pass" a U.S. Department of Education approved standardized test.
5. Student whose connection with a secondary school is severed. Any student who is 16 years of age or over and has severed connection with a secondary school, as certified in writing by the chief executive officer of the secondary school in which the student has legal residence, is eligible to attend the College in accordance with the policies of the Board.
6. A student currently enrolled in a secondary school program may be accepted into a college course(s) if that student qualifies under Lake Land Board Policy 06.19—Dual Credit Program. If such courses are offered during the regular school day established by the secondary school or are offered for secondary school credit, prior approval of the chief executive officer of the secondary school district must be received.
7. Student in a program for a special group.

8. A gifted student less than 16 years of age may enroll in course work at Lake Land College. A gifted student is defined as a student who is judged to possess exceptionally high academic ability by both the secondary school/home school in which the student is enrolled and the College.

A student must meet the following requirements to enroll as a Lake Land College gifted student:

- **a.** Be identified as a gifted student by the secondary school/home school in which the student is enrolled and have approval of the school's chief executive officer on the Gifted Student Admission form.
- **b.** Demonstrate college readiness by meeting college-level placement in two of three areas (reading, English and mathematics) as determined by ACT, SAT or college placement test and meet any minimum placement requirements identified for a specific course.
- **c.** Submit the Gifted Student Admission form with all required approvals to the office of Admissions and Records.
- **d.** Gifted students are limited to enrollment in one academic course during their first term of enrollment and may enroll in two courses each semester thereafter if they maintain a Lake Land College cumulative grade point average (GPA) of 3.0 or higher.
- **e.** A gifted student who reaches the age of 16 will follow the requirements in the appropriate category above.

ENROLLMENT REQUIREMENTS

NON-DEGREE STUDENTS

Non-degree seeking students are those students who wish to enroll in courses at Lake Land College but are not pursuing a degree or certificate of 24 or more credit hours.

DEGREE-SEEKING STUDENTS

Degree-seeking students are those students who are seeking a Lake Land College degree or certificate of 24 or more credit hours as follows:

1. Associate in Applied Science and/or Certificate Programs: Students must meet Lake Land College admission requirements. Certain programs have special admission entrance requirements that must be met prior to being accepted into the program. Refer to the specific program for admission requirements.
2. Associate in General Studies: Students must meet Lake Land College admission requirements.
3. Associate in Arts, Associate in Engineering Science and Associate in Science Degree Programs: Students must meet Lake Land College admission requirements and the following minimum standards established by the State of Illinois for all programs leading to a baccalaureate degree. If at the time of admission it has not been determined from the applicant's final high school transcript that the high school course work has been satisfied, the student will be admitted on provisional status until the high school pattern has been verified or deficiencies have been made up through appropriate coursework.
   - **a.** Four (4) years of English (emphasizing written and oral communications and literature);
   - **b.** Three (3) years of social studies (emphasizing history and government);
   - **c.** Three (3) years of mathematics (introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming);
   - **d.** Three (3) years of science (laboratory sciences); *and*
   - **e.** Two (2) years of electives in foreign languages, music, vocational education or art.

COURSE PLACEMENT LEVEL DETERMINATION REQUIREMENTS PRIOR TO ENROLLMENT

All degree-seeking students must demonstrate initial placement levels for reading, and appropriate program placement measures for English and mathematics prior to registration. All non-degree students who wish to enroll in an English or mathematics course must also demonstrate initial placement level as part of the prerequisite prior to course enrollment.

Lake Land College assesses multiple measures in determining initial placement levels as follows. Placement will be determined in accordance with the highest scores achieved through the multiple measures and any specific academic program requirements.

1. ACT or SAT college entrance exams: Students who choose to utilize ACT or SAT college entrance exam scores for placement must present, or have on file in Admissions and Records, a copy of their test scores. Students are encouraged to request that a copy of their ACT or SAT scores be sent to Lake Land College at the time of testing.
2. GED test scores: Students who wish to utilize GED test scores for placement must present, or have on file in Admissions and Records, a copy of their GED test scores.
3. High school grade point average (GPA) and completion of four years of English. Students who wish to utilize this option for placement must present, or have on file in Admissions and Records, a copy of their high school transcript.
4. Completion of high school transitional English and/or mathematics with a grade of C or better: Students who wish to utilize this option for placement must present, or have on file in Admissions and Records, a copy of their high school transcript.
5. Previous college credit: Students who have successfully completed thirty (30) semester hours of college course work in good standing at a regionally accredited college or university may have met the reading placement requirement. Students who have previously completed college-level English and mathematics courses may have met the English and mathematics placement requirement. In order to be considered for placement based on transfer credit students must present, or have on file in Admissions and Records, official documentation of their previous college work. (Some vocational programs may require use of other instruments.)

6. Completion of placement testing in reading, English and math: The Accuplacer test is administered through the college. Students may test once, and then retest twice per academic year. A minimal fee is charged for each retest. Students may also present, or have on file in Admissions and Records, a copy of ACCUPLACER test scores completed at another college.

Placement levels for reading, English and mathematics courses based on the multiple measures are presented on the Student Success Center website and are available in Admissions and Records and Counseling Services.

PREREQUISITES

Prerequisite checking is conducted at the time of registration for all reading (RDG), English (ENG) and mathematics (MAT) courses. Some English and mathematics courses have specific course prerequisites which must be met in addition to the initial course placement level requirements. Prerequisites are identified in the Course Descriptions section of the catalog and the Lake Land College website. Students will not be allowed to register for RDG, ENG and MAT courses for which they have not met the prerequisite.

NOTE FOR ALL STUDENTS: It is the student's responsibility to register properly each semester and to satisfy all graduation requirements. This includes meeting course prerequisites for registration. Students who register for a course without meeting the prerequisite may be removed from the course.

NOTE FOR STUDENTS TRANSFERRING TO LAKE LAND FROM ANOTHER COLLEGE: Transfer students who wish to enroll in advanced courses must present an official college transcript documenting successful completion of prerequisite courses.

Please visit lakelandcollege.edu/admissions/ to view the most up-to-date Admissions policy.

ADMISSIONS & RECORDS HOURS

Admissions & Records is open from 8 a.m. to 5 p.m., Monday – Friday during the academic year and Monday through Thursday during the summer. Additional evening hours are provided by appointment and during specific registration periods. The office is located in the Luther Student Center. Hours are subject to change. Students can also contact Admissions & Records online at admissions@lakelandcollege.edu.

The Admissions and Records mission is to deliver efficient, consistent, and high-quality support services tailored to all students-prospective, current, and alumni. We strive to enhance accessibility and enrich the user experience, ensuring every individual feels valued and empowered throughout their educational journey.

HIGH SCHOOL STUDENTS

Students who are currently enrolled in high school and are at least 16 years of age or students who qualify under Lake Land Board Policy 06.19—Dual Credit Program may attend Lake Land College. Students who enroll in courses offered during the regular school day or those offered for high school credit, must receive prior approval of the chief executive officer of their high school. An additional application form is required of all high school students seeking admission to the college.

Students who are less than 16 years of age, are not taking dual credit courses and are considered "gifted" by both their secondary school and Lake Land College, may attend Lake Land College. In addition to the regular application, a gifted application must be submitted.

Students who are 16 years of age or older and have severed their connections with a school system, as certified in writing by the chief executive officer of the high school district in which they have legal residence, will be eligible to attend Lake Land College. In addition to the usual admission materials, an additional application form will be required.

TRANSCRIPTS

Transcripts of a student's complete academic record may be obtained at the Admissions & Records office or requested through Parchment, at parchment.com. All requests must contain the complete email address or mailing address of the individual or institution to which the transcript should be sent.

The college may withhold transcripts in accordance with Illinois law, including Public Act 102-0998 and Public Act 103-0054.

TRANSCRIPT EVALUATION

An official evaluation of transcripts from Lake Land College or other regionally accredited colleges and universities is available to students by filing a transcript evaluation form at Admissions & Records. The form is also available online at lakelandcollege.edu./admissions. Student copies will not be evaluated. If an informal evaluation is done, the student assumes responsibility for course selection.

RESIDENCY

Students will be classified by residency according to the following provisions:

STATE RESIDENT

1. To be classified as a resident of the state, one must have occupied a dwelling within the state of Illinois for thirty (30) days immediately prior to the date established for classes to begin. Students who fail to meet the 30-day state residency requirement may not meet the requirement by attending classes at Lake Land College.
2. The following categories of people shall be classified as residents of Illinois without meeting the 30-day residency requirement:
   - **a.** Federal job corps workers stationed in Illinois.
   - **b.** Members of the armed forces stationed in Illinois.
   - **c.** Inmates of state correctional/rehabilitation institutions located in Illinois.
   - **d.** Students who are employed full-time in Illinois.

DISTRICT RESIDENT
To be classified as a resident of District 517, one must have occupied a dwelling in the community college district for 30 days immediately prior to the date established to begin classes at Lake Land College. Students who fail to meet the 30-day district residency requirement may not meet that requirement by attending classes at the college for 30 days or more.

OUT-OF-DISTRICT RESIDENT
The following categories of people shall not be classified as residents of the district:

1. Federal job corps workers stationed in the district.
2. Members of the armed forces stationed in the district or individuals entitled to assistance as described in 38 U.S.C. 3679(c).
3. Inmates of state or federal correctional/rehabilitational institutions located in the district.
4. Full-time students attending a post-secondary educational institution who have not demonstrated through documentation a verifiable interest in establishing permanent residency.
5. Students who occupy a residence outside the district but who are employed by a firm located in the district.
6. Students attending the community college under the provisions of a chargeback, cooperative agreement or a career agreement with other community college districts.
7. Students on an F-1 visa.

OTHER PROVISIONS

1. Persons who reside in the college district whose primary intent in obtaining such residence is not to attend the college shall be exempted from the 30-day state and/or district residency requirement if they demonstrate through documentation a verifiable interest in establishing a permanent residency.
2. Students who fail to meet the 30-day state and/or district residency requirement may meet that requirement upon presentation of a voter's registration card verifying in-district residency.
3. Any approved change in residency status is not retroactive to previous semesters or terms.
4. Documentation verifying state and district residency may include signed statements on the application as well as other requested documents.

RESIDENCY FOR SPECIAL GROUPS OF STUDENTS
The following groups of people are considered as in-district residents for tuition charges only:

1. Students enrolled in courses taught at business and industry locations in the district.
2. Full-time students enrolled at Eastern Illinois University, except students on an F-1 visa, who will be classified as out-of-state.
3. International students on an F-1 visa who are sponsored by a resident of the Lake Land College district or who have attended a minimum of one semester at an in-district high school.
4. In accordance with Public Act 102-0800, Members of the armed forces stationed in the district or individuals entitled to assistance as described in 38 U.S.C. 3679(c).
5. Students attending the community college under the provisions of a chargeback, cooperative agreement, or CAREER agreement with other community college districts.
6. In accordance with ICCB Administrative Rules, out-of-district residents who are employed for at least 35 hours per week by an entity located in the Lake Land College district or is in a course that is being provided under terms of a contract for services between the employing entity and the College.

RESIDENCY FOR SELECT INDIANA STUDENTS
Students who are legal residents of the Indiana counties of Vigo, Clay and parts of Parke and Vermillion south of U.S. Route 36, including high school districts that are either adjacent to or include Route 36 in their district boundaries, are eligible for a special tuition rate.

Any approved change in residence status is not retroactive to previous semesters or terms.

DISTRICT RESIDENTS

The following school districts are included in the Lake Land College district:

Altamont
Arthur
  Lovington
  Atwood
  Hammond
Beecher City
Brownstown
Casey–Westfield
Charleston
Cowden–Herrick
Cumberland
Dietrich
Effingham
Kansas
Marshall
Martinsville
Mattoon
Neoga
Newton
  (Grove District)
North Clay
  (Northern Part)
Oakland
Okaw Valley
Pana
Paris
Ramsey
Shelbyville
Shiloh
South Central
  (parts of)
St. Anthony
St. Elmo
Stewardson–
  Strasburg
Sullivan
Teutopolis
Windsor

INTERNATIONAL STUDENTS

Lake Land College, in accordance with regulations of the U.S. Citizenship and Immigration Services, will admit citizens from other countries who meet the following admission requirements. International students are accepted on the basis of available space in the various educational programs. Consideration is also given to selecting a diversified international student population. All documents should be written in English or accompanied by an official English translation. International student information is also available online at lakelandcollege.edu/international-studies-program.

ADMISSION OF INTERNATIONAL STUDENTS
The admission of international students will be determined based upon the following criteria:

1. Completion of an International Student Application for Admission.
2. Submission of official transcripts showing completion of the equivalent of a high school (secondary) education.
3. Submission of official transcripts from any previous colleges or universities attended, including training in English as a Second Language. If student plans to transfer credit from a college or university outside of the United

States, student must provide an evaluation completed by one of Lake Land College approved credential evaluation services.

4. Submission of a completed International Student Financial Affidavit and corresponding official bank statements or documentation supporting the ability to cover all expenses for an academic year. Tuition is charged at the out-of-state rates for international students, except students who are sponsored by a resident of the Lake Land College district or who have attended a minimum of one semester at an in-district high school, who will be charged tuition at the in-district rate.
5. Submission of proof of health insurance coverage. Students who do not provide proof of health insurance must immediately purchase a policy and submit documentation to the Coordinator of International Studies Program.
6. Students who have satisfied the English Proficiency requirement will be allowed to enroll in regular academic courses without any support from the Intensive English Language Program.

   Students who have not met the English proficiency requirement will be required to enroll in the Intensive English Language Program until they are adequately prepared for regular academic courses. Assignment to the appropriate level will be based on Lake Land College placement testing prior to registration.
7. Completion of the Lake Land College placement test consisting of math, reading, and English or submission of ACT or SAT scores. This placement test will be deferred for students enrolled in the Intensive English Language Program.
8. Enrollment as a full-time student.
9. Students who already possess an F-1 visa and wish to transfer to Lake Land College must submit copies of current I-20 and F-1 visa.

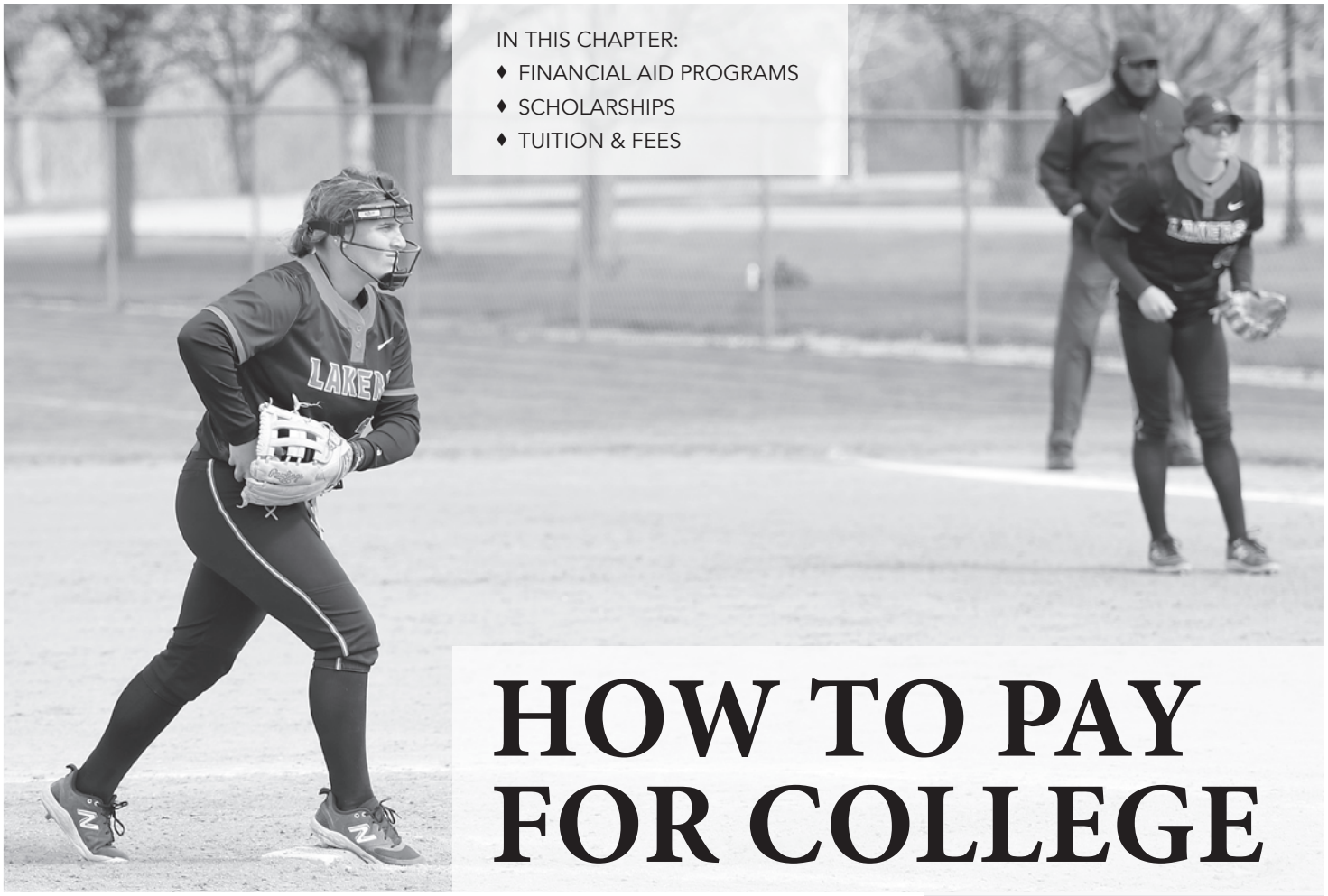
Enrollment in the 8-week summer IELP session does not allow advancement to the next level or to regular college classes. Summer students are required to continue in IELP through the subsequent fall semester at the least.

INTENSIVE ENGLISH LANGUAGE PROGRAM (IELP)

The Intensive English Language Program (IELP) is designed to assist non-native speakers of English. The program provides beginning, intermediate and advanced instruction in reading, writing, and speaking. Students in the beginning and intermediate levels will be enrolled full-time in the program. Advanced level students may be co-enrolled in one regular college course with the approval of the counselor for international students.

Enrollment in the IELP is mandatory for students who have not taken the TOEFL test or who have scored less than 61 on the enhanced computer-based test. Prior to enrollment, IEL students will take the Michigan English Placement Test (MEPT) to be placed at the appropriate level. Once admitted to the program, students must attain grades of "C" or better in all IEL courses and reach the appropriate score on the post-test using the MEPT. Enrollment in the eight-week summer IELP session does not allow advancement to the next level or to regular college classes. Summer students are required to continue in IELP through the subsequent fall semester at the least.


LAKELAND
COLLEGE



IN THIS CHAPTER:

- FINANCIAL AID PROGRAMS
- SCHOLARSHIPS
- TUITION & FEES

HOW TO PAY FOR COLLEGE

PAYING FOR COLLEGE

There are several options for paying for college. Lake Land College recommends all students complete the FAFSA or Free Application for Federal Student Aid. Even students who do not believe they will qualify for financial aid should complete it because it is one of the steps required to receive a student loan and is strongly encouraged by the Lake Land College Foundation to be considered for a scholarship. Once students have submitted the FAFSA, Financial Aid will follow up with them regarding next steps.

TYPES OF ASSISTANCE:

1. Federal and state grants
2. Student loans
3. Federal Work Study
4. Lake Land College Foundation scholarships
5. Third-party scholarships

THOSE WHO DO NOT QUALIFY FOR STATE OR FEDERAL FINANCIAL GRANTS HAVE THREE OPTIONS:

1. **Pay the bill in full by the due date.** Payment can be made via mail, online in the Laker Hub, or in person at Accounting.
2. **Sign up for the Nelnet tuition payment plan.**
3. **Request a student loan.** Visit lakelandcollege.edu/financialaid and click on "Student Loans" for information about the Federal Direct Loan Program, eligibility requirements, and the three steps required to request a student loan at Lake Land College.

NET PRICE CALCULATOR

The Net Price Calculator tool provides a broad estimate of how much students likely will have to pay out-of-pocket to enroll full-time at Lake Land College, after considering any grant or scholarship assistance they may be eligible to receive based on standardized inputs. It takes the student's cost of attendance (both direct and indirect costs) and subtracts the possible aid to provide a "bottom-line" dollar amount. The calculator is available on the Financial Aid page of the college website. Be sure to read through the caveats and disclaimers at the end.

TUITION AND FEES

Tuition for credit courses is based on your legal place of residence and charged on a per semester credit hour rate. After registering for courses, students will be able to view their bill online through the Laker Hub. Students who do not pay the total amount due by the due date will have a block placed on their file prohibiting them from making schedule changes or registering for future semesters.

The college publishes the current tuition and fees rates on the website.

COURSE FEES

Some courses require payment of a course fee. Course fee levels range from $30 and higher and are listed in the Course Description section of this catalog.

STUDENT ACTIVITY FEE

Students enrolling in on campus and Effingham Technology Center courses will be assessed a fee for each semester hour. No activity fee is charged for students enrolled in non-credit continuing education courses, other off campus courses and administratively determined contractual courses.
The Student Life section of the catalog explains uses of this fee.

SERVICE FEE

All students enrolled in college credit courses are required to pay a per semester hour service fee. This service fee is comprised of fees for library technology services, registration/ program change services, health services, textbook rental services, funding major maintenance projects, extension center services, publication services and computer network/ Internet services.

COURSE MATERIALS

Lake Land College is among the few colleges and universities across the United States that have a rental system for books. Lake Land students realize significant savings on textbooks each year using the rental system versus purchasing their books. Refer to the textbook section of this catalog for more details.

SENIOR CITIZENS

District 517 residents age 65 or over who have enrolled in a class for credit will have their tuition costs waived, at the current tuition rate, for each credit hour enrolled through the college; however, senior citizens will be responsible for the payment of applicable fees.

TUITION FOR INDIANA RESIDENTS

The Lake Land College Board of Trustees provides a special tuition rate for Indiana residents of the counties of Vigo, Clay, and parts of Parke and Vermilion. Contact Admissions & Records for more information.

TUITION CLASSIFICATION

Any change of tuition classification for students currently enrolled shall be determined by the Dean of Enrollment & Student Success. Persons responsible for making tuition classification determinations are authorized to require such certificates, affidavits, documents, or other evidence as they deem necessary. In all cases, the burden of proof shall be upon the student making a claim to resident student status.

A student who provides false information or refuses or conceals information for the purpose of achieving resident status, or who fails to notify the Dean of Enrollment & Student Success of a change of facts which might affect reclassification from resident to non-resident status, shall be required to pay retroactively any tuition fees which would normally have been charged and shall be subject to appropriate disciplinary action, including, but not necessarily limited to, dismissal from the college.

CHANGES FROM NON-RESIDENT TO RESIDENT STATUS

It is the responsibility of the student to apply to the Dean of Enrollment & Student Success for reclassification to resident status if the student believes that changes in facts justify such a reclassification. The college will not assume responsibility for initiating such an inquiry independently. The student may submit such an application in writing on a form approved by the Dean of Enrollment & Student Success at any time after the appropriate domiciliary requirements have been met, but no later than 30 days after the day on which classes begin for the session for which reclassification is requested.

CHANGES FROM RESIDENT TO NON-RESIDENT STATUS

If a student is classified as a resident, either the student or the college may initiate a reclassification inquiry, based on changes in facts which would justify such an inquiry. An unemancipated resident student whose parents or legal guardian leave the district and establish domicile outside the district shall be reclassified to non-resident status, effective with the beginning of the next academic session following said change.

TUITION PAYMENTS

Students may pay tuition and fees by cash, check, or bank card at Accounting in the Luther Student Center or online. Bills will be posted to students' accounts and can be viewed online in the Laker Hub. Students can also grant access to a third party to pay their bill through the Parent Portal. The college accepts Visa, MasterCard and Discover.
A 2.5% convenience fee will apply.

NELNET PAYMENT PLAN

Lake Land College offers the Nelnet payment plan that allows students to spread their tuition payments out over the semester as opposed to paying their bill in full. Normally, students are required to pay tuition in full by mid-term. If they do not, they are unable to register for classes the next semester and have to pay 1.5 percent interest on the balance due.

The Nelnet payment plan has a $25 application fee and is available in the Laker Hub for current students. For more information regarding the Nelnet payment plan or how to sign up call 217-234-5375 or mbailey1292@lakelandcollege.edu.

REFUNDS – INCLUDING FINANCIAL AID

Refund checks will be issued after the fourth week of class and mailed to the student's address on file or through an electronic refund. These checks will be for overpayments resulting from dropped or canceled classes and any financial aid that can be disbursed directly to the student. After this initial disbursement, the accounting office will issue refunds biweekly.

Tuition and fee charges will be reduced and any overpayments will be refunded 100 percent under the following conditions:

- Class is cancelled by a college official.
- Classes meeting 12 weeks or longer – Students have through the first 10 instructional days of the semester
- Classes meeting 8-11 weeks – Students have through the first 5 instructional days of the semester/module
- Classes meeting 3-7 weeks – Students have through the first instructional day of the course
- Classes meeting less than 3 weeks – Students must drop prior to the first instructional day of the course

* Non-standard courses offered by IDOT QC/QA, the Center for Business and Industry and Community and Professional Programs require five (5) college business days' notice in advance of the first class meeting to receive 100% refund.

DATES TO DROP A CLASS AND AVOID CHARGES

1. *The first 10 instructional days (5 instructional days for summer term) for semester-long classes in:*

   Academic Year 2026–2027
   Fall 2026: August 24 to September 4
   Spring 2027: January 11 to January 25
   Summer 2027: June 7 to June 14

   Academic Year 2027–2028
   Fall 2027: August 23 to September 3
   Spring 2028: January 10 to January 24
   Summer 2028: June 5 to June 12

   Academic Year 2026–2027
   Mod I Classes
   Fall 2026: August 24 to August 28
   Spring 2027: January 11 to January 15

   Academic Year 2027–2028
   Mod I Classes
   Fall 2027: August 23 to August 27
   Spring 2028: January 10 to January 14

   Academic Year 2026–2027
   Mod 2 Classes
   Fall 2026: October 19 to October 23
   Spring 2027: March 15 to March 19

   Academic Year 2027–2028
   Mod 2 Classes
   Fall 2027: October 18 to October 22
   Spring 2028: March 13 to March 17

2. *For classes meeting less than a module in length, see college schedule of classes for listing of first official meeting.*

No refund/repayment will be authorized for withdrawals or changes made after the respective drop period.

Additionally, no refund/repayment will be issued if:

1. A student is withdrawn by the college for disciplinary reasons.
2. A student is withdrawn by the college for non-attendance.
3. A student has financial obligations to the college.

Financial aid recipients should review the refund/repayment policy in the Student Financial Assistance section of the catalog.

ELECTRONIC REFUNDS

Refunds will be issued after the fourth week of class directly to the student. This can be done through paper checks sent to the student's address on record or through an ACH into the student's banking account of choice. Please contact the accounting office at 217-234-5214 for further information on ACHs.

STUDENT FINANCIAL ASSISTANCE

FINANCIAL AID AND VETERAN SERVICES OFFICE LOCATION AND HOURS
Lake Land College Financial Aid and Veteran Services is located in the Luther Student Center, room 203. The office hours are 8 a.m. to 5 p.m. Monday through Friday (closed on Fridays in the summer.) Additional hours are provided by appointment and during specific registration periods.

MISSION STATEMENT

The Office of Financial Aid & Veteran Services supports student access and success through personalized guidance, comprehensive information, and proactive outreach while manifesting the highest level of integrity and complying with all federal and state laws. We are dedicated to assisting our diverse student population in navigating the financial aid process and providing equitable access to financial resources and support.

TITLE IV FINANCIAL AID PROGRAMS

Through the Higher Education Act of 1965 (HEA) as amended, Congress established the basic regulatory framework which governs the administration of federal financial aid programs nationwide. The HEA is often referred to as Title IV. The programs included under Title IV and administered at Lake Land College include: the Federal Pell Grant Program (PELL), the Federal Work-Study Program (FWS), the Federal Supplemental Educational Opportunity Grant Program (FSEOG), the Federal Direct Loan Program and the Federal Parent PLUS Loan for Undergraduate Students (PLUS). Also included in the financial aid programs administered by Lake Land College is the Illinois Monetary Award Program (MAP).

VERIFICATION

Verification is the process by which documentation is used to determine the accuracy of the information that a student has provided when applying for financial aid. Financial Aid verifies data on all applications selected for verification by the U.S. Department of Education. An applicant cannot receive financial aid until the requested documentation is submitted and verification is completed. Applicants are urged to respond to requests for information promptly to avoid delays.

DETERMINING FINANCIAL AID ELIGIBILITY

Lake Land College administers comprehensive financial aid programs which include scholarships, grants, loans, and federal work-study employment. We believe persons should not be denied access to college due to financial circumstances. Students and their families are assisted by financial aid programs that help cover school expenses, including tuition and fees, living expenses, materials and supplies and transportation costs. Information concerning financial aid eligibility and application assistance may be obtained from Lake Land College Financial Aid and Veteran Services.

To be eligible for Title IV financial aid programs at Lake Land College a student must:

1. Have a high school diploma, GED or certificate of completion from a home-school program.
2. Be accepted and actively enrolled in a Title IV eligible degree or certificate program with the intent to complete that program at Lake Land College. *Note: Certificate programs of less than 16 credit hours are not eligible for financial aid;*
3. Complete the Free Application for Federal Student Aid (FAFSA) online at studentaid.gov.
4. Submit all documents requested by the Financial Aid Office to complete verification.
5. **Dependent students must complete the financial aid application with parents.** Both the student and parents are responsible for understanding the forms and ensuring the accuracy of all information reported.
6. Sign a Statement of Educational Purpose as a part of the FAFSA application and PELL grant awarding process.
7. Maintain Satisfactory Progress as established for financial aid applicants/recipients, and;
8. Demonstrate financial need.

To determine financial need, a Lake Land applicant must accurately complete the Free Application for Federal Student Aid (FAFSA). Financial need is considered to be the difference between a student's educational expenses (tuition, books, fees, housing, food, personal and transportation) and the student's SAI (student aid index) as calculated by the FAFSA application. All students and their families are encouraged to apply early for financial aid.

SUMMER TERM

Limited financial aid resources are available for the summer term. The only financial aid programs available are Federal PELL grant and Federal Direct Student Loans. Beginning April 1, students who plan to attend the summer term at Lake Land College can request consideration for summer financial aid. The Summer Financial Aid Request Form can be accessed by selecting the Student Finances menu in the Laker Hub. Students should watch their email closely as summer financial aid comes with many unique conditions that will be communicated to the student via Laker Mail. NOTE: Summer is the last term in each award year.

MAJOR FINANCIAL AID PROGRAMS

ILLINOIS MONETARY AWARD PROGRAM (MAP)

Under authority granted by the Illinois General Assembly, ISAC administers a program of monetary awards for students in the state of Illinois who attend one of the ISAC-approved colleges, universities, or hospital schools of nursing in Illinois.

To be eligible for a monetary award the applicant must:

- **a.** Be a U.S. citizen or eligible noncitizen.
- **b.** Be a resident of the state of Illinois.
- **c.** Be enrolled in a minimum of 3 credit hours per term.
- **d.** Be an undergraduate student who has not received a baccalaureate degree.
- **e.** Demonstrate financial need as determined by ISAC from income/asset data supplied on the Free Application for Federal Student Aid.
- **f.** Maintain satisfactory academic progress according to the standards of the institution.
- **g.** Not be in default on any student loan nor owe a refund or repayment on any state or federal grant or scholarship.
- **h.** Not be incarcerated.
- **i.** Not have exceeded the maximum 135 MAP paid credit hours.

The awards range from $300 per academic year to a maximum of $8,400 (as currently established by the General Assembly) but cannot exceed the amount of tuition and mandatory fees paid by all students at an institution.

FEDERAL PELL GRANT (PELL)

The Federal PELL grant is need based and considered to be the foundation of all Title IV assistance programs. The award amount is determined by a formula established by the federal government using each student's FAFSA data. PELL awards are prorated for students enrolled less than full time.

FEDERAL COLLEGE WORK-STUDY PROGRAM (FWS)

Federal Work-Study is a campus based program awarded through the Financial Aid Office in the form of part-time employment. Students who participate in FWS generally work from 5–10 hours per week. Eligibility for FWS is based on financial need. Federal work-study positions and funding are limited in number.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)

Federal Supplemental Educational Opportunity Grant is a campus based program that is designed to provide federal grant money to students with the greatest financial need.

FEDERAL DIRECT LOAN PROGRAM

FEDERAL STAFFORD LOAN – SUBSIDIZED

Students enrolled at least half-time may apply for this need-based loan. Repayment begins six months after graduation or dropping below half-time enrollment, and deferment options are available. The federal government pays the interest while the student is in school.

Loan processing begins with the financial aid application, and all applicants must have their files completed by the Financial Aid Office before requesting a Federal Stafford Loan.

FEDERAL STAFFORD LOAN – UNSUBSIDIZED

This Federal Stafford Loan is for students who are not eligible, or only partly eligible, for a subsidized loan. Subsidized eligibility must be determined first. This loan is not need-based, and borrowers are responsible for all interest from the date the loan is disbursed.

FEDERAL PARENTAL LOAN FOR UNDERGRADUATE STUDENTS (PLUS)

Federal PLUS loans are available to parents of dependent students who are enrolled at least half-time. Parents may borrow annually up to the calculated difference between the cost of education less the student's financial aid. Repayment begins on the date of disbursement at a fixed interest rate.

HOW TO RENEW FINANCIAL AID FOR NEXT YEAR

Financial assistance administered by the Financial Aid Office is awarded on an annual basis. To be considered for Title IV assistance for the next academic year, all current recipients must reapply. Adjustments in eligibility will be made annually to reflect changes in the federal and state eligibility formulas, the financial situation of the student and their family, the cost of attending college and the amount and type of resources available. The FAFSA for the next award year will be available on October 1. As students plan to reapply, remember that financial aid awards are made at Lake Land College on a first-come, first-serve basis. Therefore, timeliness and accuracy of application are very important.

HOW TO KEEP YOUR FINANCIAL AID

FINANCIAL AID STANDARDS OF SATISFACTORY PROGRESS

Lake Land College has established satisfactory progress standards for Federal and State financial aid recipients in accordance with the United States Department of Education regulations. These standards ensure that only those recipients demonstrating satisfactory progress toward the completion of their educational objective continue to receive financial assistance. The "Financial Aid Standards of Satisfactory Progress" applies to all students, regardless of previous financial aid eligibility status. Financial aid programs specifically covered by these standards include: the Illinois Monetary Award, Illinois Veteran Grant, Illinois National Guard Grant, Federal Pell Grant, Federal Work-Study Program, Federal Supplemental Educational Opportunity Grant, Federal Stafford Loan (subsidized and unsubsidized) and the Federal Parent Loan for Undergraduate Students.

SATISFACTORY PROGRESS

The financial aid "Standards of Satisfactory Progress" are measured each semester and determined by a combination of the following elements:

1. **Completion Rate**
   To continue financial aid eligibility students must successfully complete 67 percent of one's official cumulative credit hour enrollment as determined at the end of the "drop/add" period. Grades of 'F', 'W', 'I' and 'U' do not meet satisfactory progress standards. A course for which a grade of 'F' or 'D' was received may be repeated once in establishing satisfactory progress. A student completing approved development/remedial credits while enrolled in a program eligible for financial aid will be able to include those credits toward establishing satisfactory progress.
2. **Grade Point Average (GPA)**
   All financial aid recipients must comply with the minimum standard for cumulative Grade Point Average (GPA) regardless if the student previously received financial aid at Lake Land College or any other institution of higher education. Lake Land College uses an escalating minimum GPA consistent with the school's graduation requirements. Remedial coursework is included in the student's cumulative GPA calculation. To view the GPA requirements, please see our website at: lakelandcollege.edu/financialaid/keeping-your-financial-aid/.
3. **Maximum Timeframe**
   Regardless of any combination of course work attempted at Lake Land College, a student may not receive financial aid beyond 150 percent of the student's program of study as measured in semester hours.

WARNING, SUSPENSION AND REINSTATEMENT

A financial aid recipient not meeting satisfactory completion rate or GPA standards will be notified and placed on financial aid warning for the next term of enrollment. A student on warning status who does not then meet satisfactory progress standards will be notified and placed on financial aid suspension and lose financial aid. A student suspended from receiving financial aid must meet the Completion and Academic Standards explained above to regain eligibility.

APPEAL PROCEDURE

Because unusual circumstances may influence satisfactory progress, students may file an appeal. Complete details for the appeal procedure are available from Financial Aid. A personal conference with a Financial Aid advisor is required prior to filing an appeal. Decisions of the Financial Aid Satisfactory Academic Progress/Review Board are final.

REFUNDS AND REPAYMENTS FOR FINANCIAL AID RECIPIENTS

TITLE IV REFUND POLICY

Federal regulations govern the return of Title IV funds disbursed for a student who completely withdraws from a semester. These rules assume that a student earns Title IV aid based on the length of time the student **is enrolled and actively participating** in coursework. During the first 60 percent of the semester, a student earns Title IV funds in direct proportion to the amount of time the student remains enrolled and participating. The percentage of the semester the student attended determines the percentage of disbursable aid earned for that period. A student who remains enrolled and actively participating beyond the 60 percent point earns all Title IV aid for the semester. Any unearned aid must be returned to the federal government by the Financial Aid Office, and the student is responsible for repaying any unearned funds they received to the college.

FINANCIAL ASSISTANCE FOR VETERANS AND RESERVISTS

Lake Land College is approved for educational G.I. Bill® and state veteran benefits. Service members and veterans should contact Financial Aid and Veteran Services for information concerning the financial assistance and/or benefits available to them through the U. S. Department of Veterans Affairs and state of Illinois.

VA PENDING PAYMENT COMPLIANCE

Lake Land College will not take any of the following actions toward any student using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Veteran Readiness and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to the educational institution:

- Prevent their enrollment:
- Assess a late penalty fee;
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

To qualify for this provision, students may be required to:

- Produce the VA's Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies (see the VA School Certifying Official for all requirements).

VETERANS BENEFITS

MONTGOMERY GI BILL® ACTIVE DUTY (CHAPTER 30)

The Montgomery GI Bill® Active Duty (MGIB-AD) provides education and training assistance to individuals who served at least two years on active duty.

POST 9/11 (CHAPTER 33)

Individuals may be eligible for this VA-administered program if they meet at least one of the following requirements:

- Service members with at least 90 days of active duty on or after September 11, 2001; or
- Service members who received a Purple Heart on or after September 11, 2001, and were honorably discharged; or
- Service members who served at least 30 continuous days on or after September 11, 2001, were honorably discharged, and have a service-connected disability; or
- Dependents of a qualifying Veteran or service member who have benefits transferred to them.

MONTGOMERY GI BILL® SELECTED RESERVE (CHAPTER 1606)

The Montgomery GI Bill® Selected Reserve (MGIB-SR) program offers up to 36 months of education and training benefits. Members of the Army, Navy, Air Force, Marine Corps, Coast Guard Reserve, Army National Guard, or Air National Guard may be eligible for this benefit.

SURVIVORS AND DEPENDENTS ASSISTANCE (CHAPTER 35)

This program offers benefits to children or spouses of Veterans or service members who have died, been captured or missing, or are permanently and totally disabled due to a service-connected disability. Eligibility is extended to surviving dependents of such service members.

THE MARINE GUNNERY SERGEANT JOHN DAVID FRY SCHOLARSHIP (FRY SCHOLARSHIP)

The Marine Gunnery Sergeant John David Fry Scholarship (Fry Scholarship) is available to the children or surviving spouses of service members or members of the Selected Reserve who died on or after September 11, 2001. Eligible individuals may qualify for this scholarship.

VETERAN READINESS AND EMPLOYMENT (CHAPTER 31)

Veteran's Vocational Rehabilitation is a comprehensive educational program administered by the VA, open to veterans with a compensable, service-connected disability. A monthly stipend is awarded along with all tuition and fees, as well as necessary tools or supplies. Contact the Veterans Administration for more information.

ILLINOIS VETERAN GRANT (IVG)

A veteran who entered the armed forces while a resident of Illinois and has been honorably discharged, may be awarded a scholarship provided he/she has the required period of service. This scholarship pays resident tuition and certain fees at an ISAC-approved institution. Proof of service and residency requirement is provided on the Report of Separation (DD214-4) must be submitted with the IVG application to ISAC.

ILLINOIS NATIONAL GUARD GRANT (ING)

Enlisted persons who have completed one full year in the Illinois National Guard may apply. The ING pays tuition and certain fees for eligible persons attending an ISAC-approved institution. Persons are eligible for ING only during the period they are enlisted in the guard. Applications must be renewed annually.

DECEASED, DISABLED AND MIA-POW VETERANS' DEPENDENT SCHOLARSHIP

The state of Illinois provides an education scholarship for the dependents of veterans who are either Missing In Action, a Prisoner of War, died while on active duty, 100% disabled due to service connected disabilities or died as a result of a service connected disabilities.

VETERANS AFFAIRS (VA): POLICY ON SATISFACTORY PROGRESS

Students who are receiving educational benefits through the U.S. Department of Veterans' Affairs (VA) and/or the Illinois Veterans' Grant or Illinois National Guard Grant must continue to make satisfactory progress in their academic major. Satisfactory progress toward an educational objective will be measured in terms of a veteran's cumulative GPA that does not subject him or her to academic probation status for two consecutive terms (see section, Academic Information). If a certified veteran maintains a probationary GPA for two consecutive enrollment periods, the veteran's enrollment certification may be suspended. When the academic probation status is lifted, enrollment certification can be reinstated.

A veteran is expected to complete all of the credit hours he or she is certified for each semester. In some situations a veteran who does not complete all credit hours in a semester may be charged with an overpayment.

Veterans are reminded that they may only enroll in classes which apply to their declared major if they expect to receive G.I. Benefits. In special circumstances veterans may enroll in non-credit developmental/remedial classes such as reading, mathematics and English. Veterans are encouraged to consult frequently with their academic advisor or a Lake Land College counselor in regards to their academic progress.

OTHER FINANCIAL RESOURCES

LAKE LAND COLLEGE RESOURCES

TALENTED STUDENT AWARD PROGRAM

The Talented Student Award (TSA) is a tuition waiver scholarship program for graduating high school and G.E.D. students with outstanding achievement in academics, athletics and livestock judging who attend Lake Land College as full-time students.

The TSA guidelines are approved by the Board of Trustees and are available upon request from the Financial Aid Office.

THE PRESIDENTIAL SCHOLARSHIP

The Presidential Scholarship is for a maximum of two consecutive academic years and is awarded to in-district high school graduates who have demonstrated outstanding academic performance. Each graduate must be in the top 15 percent of the senior class or have an ACT composite score of 26 or higher or SAT total score of 1230 or higher.

LIVESTOCK JUDGING AND ATHLETIC SCHOLARSHIPS

These scholarships are awarded by Lake Land College coaches for a specific enrollment period to students who, in their judgment, have outstanding ability to perform on their team. All tuition and fees for credit courses are waived except late fees and special assessments for materials used in class. Administration of the athletic scholarship is in accordance with the National Junior College Athletic Association and the Lake Land College Board of Trustees guidelines.

COMMUNITY RESOURCES

VOCATIONAL REHABILITATION GRANTS

The state of Illinois Department of Rehabilitation Services (DORS) may provide funds for tuition, room and board, transportation and other necessary expenses for persons who are found to be disabled. Applicants must have a disability which prevents them from earning a living, getting a suitable job or threatens their continuing employment. Applicants must have a reasonable chance of being able to work in suitable employment after training is provided. Students who have a medical or physical disability should contact an office of the Illinois Department of Rehabilitation Services for further information. In Mattoon, DORS is located at 129 North 15th Street; 217-235-3154.

SPECIAL SCHOLARSHIPS

The Illinois Student Assistance Commission (ISAC) sponsors scholarship programs for special groups. These include dependents of policemen and firemen killed in the line of duty; dependents of correctional workers killed in the line of duty or permanently disabled; and teacher shortage scholarships. Information for these special programs may be obtained by visiting isac.org or by calling the Illinois Student Assistance Commission at 800-899-4722.

COMMUNITY SERVICES BLOCK GRANT

The Illinois Department of Commerce and Community Affairs (DCCA), through local offices, provides an assistance program for students enrolled in training for high-employment potential fields. Eligibility is based on need and likely success in a chosen curriculum. Contact the DCCA, Division of Economic Opportunity, 217-785-6206, for the location of the community action office in your county.

WIOA

The federal Workforce Innovation and Opportunity Act (WIOA), provides tuition assistance and other supportive services for qualified individuals to attend local training programs to get new skills or obtain a professional certification. There are possibilities for training or certification in many different occupations and industries, including information technology, manufacturing, health care, trucking and logistics, accounting, and more.

Services may include tuition grants, career exploration, job referrals, counseling, budgeting, paid work experience, and other supportive services as needed. The Local Workforce Innovation Area 23 (LWIA 23) covers a thirteen county service area. C.E.F.S. is the WIOA service provider for LWIA 23. They provide guidance to individuals within the service area with job readiness, job search, work-based learning, and classroom training needed to secure and retain employment and become self-sufficient. The WIOA Adult and Dislocated Worker Programs serve individuals who are 18 years of age and older who are unemployed, underemployed or have lost their jobs due to plant closings, mass layoffs or other economic events. WIOA Youth Programs are also available to help teens and young adults 16-24 to develop a career path or find employment through tuition grants, paid work experience, and job search assistance.

For information on how to apply, please contact WIOA staff at wioa@cefseoc.org or 217-342-2193.

PRIVATE SCHOLARSHIPS

Be sure to look into local community scholarship resources for possible funding. Often community public service organizations, local lending institutions, fraternal orders, business clubs and industries sponsor a variety of private scholarships. In addition, regional superintendent of schools may publish a comprehensive listing of scholarships and grants. See also, Lake Land College Foundation Scholarships information on the next page. Visit the website for additional information on scholarship searches.

LAKE LAND COLLEGE FOUNDATION SCHOLARSHIPS

BUILDING BRIGHTER FUTURES AND STRONGER COMMUNITIES THROUGH EDUCATION

LAKE LAND COLLEGE FOUNDATION SCHOLARSHIPS ARE AWARDED TO STUDENTS BASED ON A WIDE RANGE OF CRITERIA.

- Each year, the Foundation awards students more than $700,000 worth of scholarships in a range of amounts up to $5,000.
- Only one application is required to be considered for all Foundation Scholarships.
- Applications should be completed annually as scholarships are awarded on a one year basis.
- Applications will be accepted from November 1 – February 1 for the following academic year. The application will re-open June 1 – August 31 for new applicants.
- Initial award notifications will be issued by April 1 and second round notifications will be issued by October 1.

Please contact Financial Aid at 217-234-5392 or scholarships@lakelandcollege.edu if you have questions or need assistance.

HOW TO SUBMIT A LAKE LAND COLLEGE FOUNDATION SCHOLARSHIP

PROSPECTIVE STUDENTS

1. Create your Laker profile at lakelandcollege.edu/apply.
2. Log into your new Laker profile and submit your Application.
3. Allow at least one week for your welcome packet to arrive in the mail. This will contain your student ID# and instructions to log into the Laker Hub.
4. Using your new student ID, log into the Laker Hub and click on the Foundation Scholarship button to access the application.
5. Complete the scholarship application between November 1 – February 1 or June 1 – August 31.

CURRENT STUDENTS

Log into the Laker Hub and click on the Foundation Scholarship button to access the application and complete between November 1 – February 1 or June 1 – August 31.

ESSAY TIPS FOR YOUR LAKE LAND COLLEGE FOUNDATION SCHOLARSHIP APPLICATION

- ✔ Use proper grammar, punctuation and sentence structure.
- ✔ Proofread your application.
- ✔ Highlight strong points.
- ✔ Make sure the application is complete before final submission.

To enhance your application score, make sure your essay answers are complete, thorough, and include correct grammar and punctuation.

Essay answers should be limited to 250 words or less.

The Lake Land College Foundation was established exclusively for educational, scientific and charitable purposes. The Foundation assists the college in developing and enhancing the educational opportunities and service to its students, alumni and citizens of the district. The Foundation is chartered under the Internal Revenue Code as a 501 (c) (3) tax exempt, non-profit organization, which may accept gifts of money, property, works of art, historical papers and documents, museum specimens and other materials having educational, artistic or historical value, and by such other proper means as may be deemed advisable. The thrust of the Foundation is to provide student scholarships through funds contributed by individuals, agencies and corporations.

RESOURCES
TO HELP YOU BE SUCCESSFUL

IN THIS CHAPTER:

- CAREER READINESS CENTER
- COMMUNICATION
- COUNSELING
- HEALTH SERVICES
- LAKER FOOD PANTRY
- LAKER NEST BOOKSTORE
- LEAP
- LIBRARY
- MENTAL HEALTH SERVICES
- ONLINE LEARNING
- PERKINS PROGRAM
- POLICIES
- STUDENT DEVELOPMENT
- STUDENT SUCCESS CENTER
- STUDENT WELLNESS CENTER
- TRIO
- VETERANS AFFAIRS

COMMUNICATION AT LAKE LAND COLLEGE

Lake Land College communicates with students via a student portal called the Laker Hub. One of the first steps new students should do is activate their user ID and password.

USER NAME – Students can find their User Name by going to the Laker Hub Login and clicking on the lower left link "What's My User Name?" The system will ask for a last name and social security number. It will then display the user ID.

PASSWORD – Initially, a student's birthday in six digits (XXXXXX). A prompt to change the password will appear.

STUDENT ID NUMBER – A unique seven digit number generated when a student submits an Intent to Enroll. This number is used throughout the college in place of a social security number to identify a student.

LAKER HUB – A centralized portal containing all the communication and student engagement tools a student needs to be successful!

LAKER MAIL – Key to communicating successfully with Lake Land faculty, staff and departments such as Financial Aid.

CANVAS – An Internet-based course management program that instructors and students use for both face-to-face and online classes. It is accessible through the Laker Hub.

COUNSELING SERVICES

The mission of Counseling Services is to promote student development theory and practice.

INDIVIDUAL ASSISTANCE

Counselors provide free and confidential assistance with:

- Educational and career development
- Information regarding Lake Land College degrees and transfer requirements
- Crisis intervention and referral to campus and community resources
- Developing strategies to enhance life and academic skills.

COUNSELING HOURS

Counselors are available 8 a.m. – 5 p.m., Monday – Friday when classes are in session. (Hours are subject to change.) Evening meetings are available by appointment. Summer hours vary. An appointment is recommended to reduce waiting time, but is not always required. Members of the counseling staff are available at various off campus centers throughout the year. Please call 217-234-5232 or email counsel@lakelandcollege.edu, for information about arranging to meet with a counselor.

NEW STUDENT ORIENTATION

All new certificate and degree-seeking college students entering Lake Land College will be required to participate in and complete new student orientation. Successful completion involves either completing an online orientation or attending an in-person orientation program, followed by an advisement and registration day. During orientation, students will learn about academic major requirements, financial aid, and campus services and resources. Students will then register for their first-term courses on their advisement and registration day.

SUCCESS COURSES

Lake Land College offers three Strategies for Success courses that can help you with balancing class, work, finances and home. All three courses may be taken to satisfy graduation requirements at Lake Land College. SFS 101 Strategies for Success is a course to improve new student transition into college and the development of life skills. Research on SFS 101 has shown a positive relationship between student enrollment in the course and grade point average, college persistence and graduation. SFS 150 Money Management Strategies is a course where students explore basic economic principles, financial literacy, and personal money management. SFS 103 Life Strategies is designed for sophomore level students and will assist students in learning critical thinking skills, creating effective goals and creating a successful life and financial plan.

ACADEMIC ADVISEMENT

Counselors assist in the advisement and registration of students enrolling at Lake Land College for the first time or returning students not registered for the previous term. Following the first term of enrollment, continuing students who plan to earn a degree or certificate of 24 or more hours are assigned a faculty advisor. Advisors will assist students with goal identification, career planning, developing an educational plan, and choosing appropriate courses for graduation. All students must contact their advisor to be eligible for registration each semester. Students can identify their advisor by visiting their Laker Hub account.

STUDENT DEVELOPMENT

Student Development is committed to cultivating a welcoming, engaging campus environment for all students by continuously assessing student needs and removing barriers to student success.

For more information on accessing these resources, visit the Student Development webpage at lakelandcollege.edu/student-development/ or contact the Coordinator for Student Development at studentdevelopment@lakelandcollege.edu.

MENTAL HEALTH SERVICES

Lake Land College offers initiatives to support mental health and wellness as a component of our efforts to promote the success of our students on both a personal and academic level. The college has an on-site, full-time mental health provider and offers online services providing free mental health counseling to current students. For free mental health services, reach out to the Student Wellness Center Manager in the Luther Student Center, office 511, by phone at 217-234-5380 or email at healthservices@lakelandcollege.edu.

STUDENT WELLNESS CENTER

Students may contact the Student Wellness Center for individualized assistance with creating a plan to address their mental health, medical, food insecurity, housing, and benefit needs. The center includes the Laker Food Pantry, Mental Health, Medical, and Benefit Navigation services. The Student Wellness Specialist assists students with applying for local, state, and federal assistance and also serves as one of our homeless liaisons. Services are located in the Student Wellness Center in the Luther Student Center. Please feel free to reach out to our Student Wellness Specialist, office 512, at 217-234-5383 or email at healthservices@lakelandcollege.edu.

THE PERKINS PROGRAM

The Perkins Program provides services to help students enrolled in Workforce Ready programs successfully complete an associate in applied science (AAS) degree or certificate, with the goal to enter the workforce in the chosen field immediately after completion. Students may be able to receive direct assistance through the Perkins Program if they are enrolled in a *Career/Technical Major* and are a member of a *Special Population.*

The Perkins Program student support is intended for students who are members of a *Special Population*, such as:

- An individual with disabilities
- An individual from an economically disadvantaged family
- An individual preparing for non-traditional fields for their gender
- An individual who is a single parent (including single, pregnant women)
- An individual who is out-of-workforce
- An English learner
- An individual who is homeless
- An individual who is in (or has recently aged out of) the foster care system
- An individual with a parent who is a member of the armed forces and is on active duty Perkins student support can assist with:
- Focused Tutoring Opportunities
- Tool Loan/Rental

- Assistance with Uniforms and name badges
- Workbooks and Textbooks
- Assistance with Learning Supplies
- Access to additional resources as needed Students who feel they may qualify for the Perkins Program should contact the Perkins Specialist.

Qualification can usually be determined within a few minutes. To schedule an appointment to apply or for additional information:

- Call 217-234-5032
- Email perkins@lakelandcollege.edu
- Stop by Workforce Development, office 010

STUDENT ACCOMMODATIONS

Lake Land College employs a Counselor for Student Accommodations & Mental Health Initiatives to provide student accommodations for students with a variety of disabilities. Disabilities may include visual, auditory, speech, psychological, physical, health or learning.

Student accommodations are tools used by students to help them achieve their full potential. Examples of some services are: recorded textbooks/materials, interpreters for hearing impaired, tutors, testing accommodations, advising and assistive technology. Since needs vary from person to person, the determination of service is completed on an individual basis. To apply for support services, you must complete an application packet during a scheduled appointment with the Office of Student Accommodations. During this appointment, the appropriate support services will be assessed and determined.

The architectural design of the campus and buildings is such that Lake Land College has been deemed very accessible by the Illinois Department of Rehabilitation Services. Adaptations have been made in the following areas to accommodate individuals: reserved parking for students with physical disabilities, ramps in parking lots and at access doors to all main buildings, restrooms designed for full access, an elevator in the Virgil H. Judge Learning Resource Center and automation of selected doors for all major classroom buildings.

Lake Land College has an institutional commitment to provide a quality educational experience to all students. In order to make Lake Land College more receptive to students with disabilities, please identify your needs well in advance of the term you wish to attend to ensure that the necessary accommodations can be provided. If the college does not receive advance notice, then the college may not be able to provide accommodations for the first term. Certain accommodations are available only on campus. People who are deaf or hearing impaired may contact Student Accommodations by emailing accommodations@lakelandcollege.edu. For more information, or to schedule an appointment call 217-234-5259 or visit the website.

VETERANS AFFAIRS

Lake Land College appreciates the service of active-duty and veteran students and seeks to provide the services needed to support these students with their initial transition to college and throughout their enrollment. Following is a summary of services currently available.

1. *Contact information for the coordinator of veterans services:*

   Veterans Advisor
   Financial Aid and Veteran Services
   Webb Hall
   217-234-5255
   financialaid@lakelandcollege.edu

   Information regarding military educational benefits, military/other credit evaluation, and the student veterans' organization.

   Coordinator of Student Accommodations
   Counseling Services
   Luther Student Center
   counsel@lakelandcollege.edu
   217-234-5259

   Information regarding educational accommodations, support related to PTSD and TBI, referral to other college and community resources, and the student veterans' organization.
2. Lake Land College identifies veterans and active duty military personnel through the admissions application and financial aid process.
3. Lake Land College serves about 425 veterans a year.
4. Special services are available to veterans, active duty personnel and their families through the offices of Admissions & Records, Financial Aid and Veterans Services and Counseling Services.
5. Lake Land College Board Policy 07.39 provides that students called to active duty during the semester may request to be withdrawn from the class and receive a 100% refund, try to complete the courses in progress, or request incomplete grades. The most appropriate action will depend on the time during which the student is called to duty. Students called to duty should contact their instructors and the Dean of Admissions Services at 217-234-5378.
6. Lake Land College accepts military credit according to the ACE Guide to the Evaluation of Educational Experiences in the Armed Services and accepts DANTES credits. Veterans may earn 4 hours of college credit for completing basic training by submitting a DD214 with honorable discharge or other proof of completion of basic training. Submission of an AARTS transcript will help expedite the evaluation process.
7. Professional development training related to veterans and active duty personnel is available to Lake Land College staff. Interested staff should contact the Coordinator of Student Accommodations at 217-234-5259.
8. Student veterans, active duty military personnel and family members may take advantage of all of the support services available to other Lake Land College students. Those services include, but are not limited to: Academic Advising, Career Services, Counseling, Financial Aid, Tutoring & Testing Center, Library, Student Accommodations, and TRIO Student Support Services. Descriptions of the services available and the contact information for each area are provided on the website.
9. Student veterans, active duty personnel and family members may also take advantage of social events and other activities provided to other Lake Land College students through Student Life. Descriptions of the student life opportunities available and contact information are available on the website.

TRIO STUDENT SUPPORT SERVICES

The TRIO Student Support Services (SSS) mission is to provide an environment that promotes academic,

social, and personal growth for first generation and PELL eligible students, and/or students with disabilities. Student Support Services annually serves 280 Lake Land College students and provides opportunities in the following areas:

- Academic, personal and financial counseling
- Workshops – leadership, communication, learning techniques, personal finance
- Career research – assistance with interviews and writing resumes
- Transfer opportunities to four-year institutions and visits to area universities
- Online Tutoring
- Financial aid guidance – assistance completing the FAFSA and scholarship applications
- Increase retention, graduation and transfer rates

TRIO Student Support Services is located in Luther Student Center, room 414. TRIO Student Support Services is a federal grant, funded 100% by the Department of Education.

For more information, phone 217-234-5456, email triosss@lakelandcollege.edu or visit the TRIO website lakelandcollege.edu/triosupportservices/.

EARLY ADVANTAGE PROGRAM (LEAP)

Students who are struggling in a course or with life challenges can ask their instructor about the Lake Land College Early Advantage Program (LEAP).

The LEAP program is confidential and designed to help students link to campus and community resources to improve their chance for success.

If you are referred to LEAP by your instructor, you will receive an email in your Laker Mail account requesting that you contact the program for an appointment.

For more information about LEAP, contact Counseling Services or visit the Counseling Services website under "Strategies to enhance life and academic skills."

STUDENT SUCCESS CENTER

The mission of the Student Success Center is to offer tutoring services that will aid in removing obstacles to learning, to oversee placement testing and assignment into the appropriate levels of college coursework, and to provide supplemental support to students with disabilities. All services are provided in such a way as to ensure responsiveness and sensitivity to individual differences in all learners.

The Student Success Center, located in Webb Hall, is designed to help students develop the skills necessary to improve academic performance and personal satisfaction. Services are also available at the Effingham Technology Center. The services of the Student Success Center are available to students and include the following areas:

- Tutoring in college courses
- Administration of the basic placement test battery for the college
- Proctoring tests and quizzes for online courses
- Pearson Vue testing
- Supplemental services for students with disabilities
- Administration of pre-nursing exams and testing for various programs
- Distance learning test proctoring
- CLEP testing
- Basic skills courses in memory, test taking, and computer anxiety

For more information, call the Director of the Tutoring and Testing Center at 217-234-5301 or email: studentsuccess@lakelandcollege.edu.

CAREER READINESS CENTER

The Career Readiness Center provides career development resources, support for students and community members, and opportunities for career connections. All students have free access to the Career Readiness Center Canvas Resource Room and can make an appointment with a career professional for individualized assistance.

Services Offered:

- Career Exploration
- Graduating Student Support
- Internship Information and Support
- Job Search Support
- Mock Interviews
- Resume Support
- Material Development Workshops
- Job Fairs
- Electronic Signatures & Professional Headshots

CAREER EXPLORATION

The Career Readiness Center offers an online career guidance program that helps people explore their career-related interests and skills. The program is free to use and helps people connect their interests and skills with opportunities available at Lake Land. To schedule an appointment for career exploration support, contact the Career Readiness Center at careerservices@lakelandcollege.edu or 217-234-5288.

JOB SEARCH ASSISTANCE

The job search is a critical component of an individual's career success. The Career Readiness Center provides resources for all aspects of the job search process, including resumes, cover letters, references, and interviewing. Students and alumni also have access to a local and national database of internship and employment opportunities.

Want support or more information? The Career Readiness Center is open daily from 8 a.m. to 5 p.m. Evening hours available by appointment. Summer hours vary.

LIBRARY

The Library is located in the center of the Lake Land campus in the Virgil H. Judge Learning Resource Center. The Library provides access to more than 19,000 books, as well as online access to millions of magazine and journal articles. We also have legal, business, biographical,and newspaper resources, and over 280,000 popular and scholarly e-books. To get started, visit the library website at Lakelandcollege.edu/library/.

In addition to local resources, the Library provides access to the collections of more than 450 libraries in central and southern Illinois through SHARE, a shared online catalog system. Students may also search the holdings of thousands of libraries across the country through the WorldCat service.

Library services are available to students, faculty, staff, and residents of the Lake Land College district. Students have access to semester-long checkouts of graphing calculators and laptops. Most materials can be checked out for use at home, and telephone and online renewal is

available for most items.

Student conference rooms are available for student use, and food and drink can be enjoyed in the library's lounge space on the top floor.

For more information about library services, resources, or contact the Circulation Desk at 217-234-5367. For assistance with research, contact the Librarian at 217-234-5533. Visit the Library website for current hours and additional resources.

LAKER NEST BOOKSTORE

The Laker Nest Bookstore is located in the Luther Student Center. The store provides all required and recommended textbooks, workbooks and supplies. The Laker Nest has a full selection of Lake Land College clothing. Students may also obtain a Laker Student ID card.

The Bookstore is open Monday – Friday from 8 a.m. – 5 p.m. with extended hours during book pickup and return. (The Bookstore is closed Friday during the summer term). Options for picking up and returning course materials and textbooks can be found at lakelandcollege.edu/bookstore. For more information on services, call 217-234-5420.

ONLINE LEARNING

Lake Land College online courses are instructor-led with the majority of the course taught over the Internet. While online courses provide flexibility, they do require a lot of self-discipline and motivation. Online students should have basic computer knowledge. If students are not familiar with computers, the college recommends enrolling in CIS 040, Introduction to Computers, before taking an online course.

The college's online learning site at lakelandcollege.edu/online-learning provides many resources for students thinking about or taking online courses including:

- Are Online Courses for Me? Self-Evaluation resources for potential online students, technical requirements needed to take an online course and frequently asked question information to ensure a successful start is provided.
- Canvas Guides For online or traditional courses that utilize the Canvas Learning Platform, students will have access to Canvas guides and tutorials in Canvas. Students can also participate in an optional Online Student Orientation course. For more information about Canvas, contact Information Systems and Services by phone 217-234-5261. Students can also submit support tickets in Canvas and the Laker Hub. On campus Information Systems and Services is located in the lower level of the Virgil H. Judge Learning Resource Center.
- Proctoring Services Tests and quizzes for courses are sometimes completed online; however, some instructors require tests and quizzes be proctored at one of our Lake Land College proctoring sites. For more information on proctored tests, phone 217-234-5301 or email proctor@lakelandcollege.edu. An appointment and a photo ID are required to have a test or exam administered.
- Course Materials & Textbooks Students taking internet courses have the option to pick up course materials in person from campus, have them delivered to an extension center or have them shipped to their home via the Laker Hub.

COLLEGE NURSE

The College Nurse is a part of the Student Wellness Center that is located in the Luther Student Center. The Nurse is available to discuss any questions or to help students in regard to physical disorders or health related circumstances, and provide emergency first aid treatment and various medical services. However, it is recommended that students subscribe to the student health insurance program or have a private policy that provides comprehensive medical and surgical benefits. Contact Health Services for more information.

The College Nurse also offers assistance in obtaining the services of local physicians and agencies, if necessary. Over-the-counter drugs are available. Health promotion programs on substance abuse, nutrition, infectious disease, physical fitness and other topics are provided by this service. Cost of hospitalization, doctors appointments, prescription medicine, X-rays and laboratory fees must be covered by students.

In case of prolonged absences because of illness, accident or hospitalization, students should notify Health Services so proper notification can be made to instructors. Contact the College Nurse at healthservices@lakelandcollege.edu.

COMMUNICABLE DISEASES

The Lake Land College Board of Trustees policy on Chronic Communicable Disease (4530) provides rules and regulations for students with communicable diseases. Students who are diagnosed as having or carrying a communicable disease should report to the College Nurse. Communicable diseases are those defined by the Illinois Department of Public Health to be contagious, infectious, communicable and dangerous to the public health. A student shall be permitted to remain in class whenever, through reasonable accommodation, there is no significant risk of transmission of the disease to others.

PHYSICAL EXAM

Only those entering programs in Dental Hygiene, Associate Degree in Nursing and Practical Nursing must request a special form for a physical exam.

LAKER FOOD PANTRY

The Laker Food Pantry is a part of the Student Wellness Center and is located in the Luther Student Center and is available to Lake Land College students. All students are eligible to receive food. No income verification is required. To obtain food from the Laker Food Pantry contact the Student Wellness Center at healthservices@lakelandcollege.edu. Food is available at the pantry or for delivery to another location on campus.

COLLEGE CLOSING

In the event of inclement weather, mechanical or power failure, or other emergencies, the following procedures will be implemented. Every effort will be made to keep the college open. In some cases, Lake Land College will remain open when elementary and secondary schools are closed.

When weather conditions prevent the opening of the college or cause a delayed opening of the college, every effort will be made to send an emergency alert text to students and staff by 6 a.m. for that day. Postings will be made on the College website at lakelandcollege.edu, college social

media accounts, and area media.

The decision to close classes that begin at 5 p.m. or later will be made as close to 2 p.m. as possible. The same notification procedures will be followed. When the College is closed, all Lake Land College locations are closed including extension centers.

TEXT NOTIFICATIONS

Students can opt out of receiving emergency alert texts. This can be done in the Laker Hub.

STUDENT HANDBOOK AND RIGHT-TO-KNOW INFORMATION

An online Student Handbook provides critical information for all prospective and current Lake Land College students. The online handbook provides quick links to information and policies all students should know such as privacy of educational records, alcohol and drug use prevention and support, academic standards, expectations for student behavior, and addressing sexual harassment and sexual misconduct.

A link to the handbook is sent to all current students at their college email address and can be accessed at any time at lakelandcollege.edu/studenthandbook or through the Laker Hub. All students are encouraged to review each section of the handbook each semester and to ask questions as they arise throughout their enrollment.

STUDENT RIGHTS AND RESPONSIBILITIES

State statutes provide that the legal responsibility for adopting and enforcing all rules and regulations for the orderly operation of the college rests with the Lake Land College Board of Trustees. The responsibility for enforcing regulations and policies adopted by the board is delegated to the college administration and staff.

STUDENT CONDUCT AND DISCIPLINARY PROCEDURES

Students as members of the academic community are expected and required to observe certain standards of behavior. Also as citizens, students have a responsibility to know and obey the laws of the United States, the state of Illinois, and local governments. Policies governing student conduct and disciplinary procedures can be found in the Student Handbook available online at lakelandcollege.edu/student-handbook.

STUDENT COMPLAINTS

Students who have a concern about an issue that adversely affects them or someone else or feel their rights have been infringed upon by the enforcement of policies and regulations may, through appropriate channels, work to resolve such problems by following procedures outlined in the Student Complaint Procedures section of the Student Handbook. The Student Handbook is available online at lakelandcollege.edu/student-handbook or through the Laker Hub.

Lake Land College participates in the State Authorization Reciprocity Agreements and is also a member of Illinois Community Colleges Online (ILCCO). Students taking online classes at Lake Land College who are from out-of-state should attempt to resolve any issues or complaints with the College first. If after following the College's process for addressing Student Concerns and Grievances, an issue cannot be resolved internally, students may file a complaint about Lake Land College with the Illinois Community College Board or the Illinois Board of Higher Education. If you are a student living out of the State of Illinois, you may also file your complaint with the state in which you reside. Additional information about the student complaint process through SARA is found at https://nc-sara.org/sara-student-complaints-0.

CAMPUS SCHEDULING

The Office of the Vice President for Business Services coordinates the campus scheduling, including the college's 299-seat theater and Field House. Seminars, workshops and special programs are also planned and coordinated through this office which can be reached at 217-234-5223.

POLICIES

In compliance with state and federal laws, Lake Land College has the following policies:

EQUAL OPPORTUNITY NOTICE OF NONDISCRIMINATION

Lake Land College is committed to maintaining a working and learning environment that promotes equal opportunity and that is free from unlawful discrimination and harassment. It is the policy of Lake Land College not to engage in discrimination or harassment against any person because of race, traits of race, color, sex, age, religion, national origin, ancestry, physical or mental disability, association with a person with a disability, marital status, military status, sexual orientation, gender identity, gender-related identity and expression, sex stereotypes, sex characteristics, pregnancy or related conditions, parental status, order of protection status, unfavorable discharge from military service, work authorization status, citizenship status, family responsibilities, actual or perceived decisions regarding reproductive health, or on any other basis protected by applicable federal and state law. This policy applies to any individual who participates in, or attempts to participate in, any College programs, activities or services.

The following campus office is assigned the responsibility for ensuring compliance with this policy as well as federal and state law concerning equal opportunity and access:

Director of Human Resources/
Title IX Coordinator
Human Resources Office,
Lensink Hall, Office #2,
(217) 234-5210;
humanresources@lakelandcollege.edu

Board Policy 11.04.01 Prohibiting Sex-Based Misconduct, covers prohibited conduct under the Title IX of the Education Amendments of 1972 ("Title IX") and provides information regarding grievance procedures for complaints and/or reports of sex-based misconduct. Inquiries about the application of Title IX may be addressed to the Director of Human Resources/Title IX Coordinator, the Office for Civil Rights, or both.

Board Policy 11.04 Discrimination and Harassment provides information regarding grievance procedures for complaints and/or reports alleging discrimination or harassment other than sex-based misconduct.

Procedures for reporting or filing complaints regarding conduct that may constitute discrimination or harassment, including sex-based misconduct under Title IX, can be obtained through Counseling Services or Human Resources. In addition,

these offices will maintain current copies of applicable laws, regulations, and policies.

DISCRIMINATION AND HARASSMENT

Lake Land College is committed to maintaining a working and learning environment in which all individuals are treated with respect and dignity. Faculty, staff and students have a right to work and learn in an atmosphere that promotes equal opportunity and prohibits discriminatory practices.

Harassment, a form of discrimination, is defined as unwelcome conduct on the basis of a person's actual or perceived race, traits of race (including, but not limited to, hair texture and protective hairstyles such as braids, locks, and twists), color, sex, age, religion, national origin, ancestry, physical or mental disability, association with a person with a disability, marital status, military status, sexual orientation, gender identity, gender-related identity and expression, sex stereotypes, sex characteristics, pregnancy or related conditions, parental status, order of protection status, unfavorable discharge from military service, work authorization status, citizenship status, family responsibilities, decisions regarding reproductive health, or any other category protected by law. In accordance with Board Policy 11.04 Discrimination and Harassment, and its implementing procedures, any such conduct which (1) has the purpose or effect of substantially interfering with educational or work performance; or (2) has the purpose or effect of creating an intimidating, hostile, or offensive educational or work environment could lead to disciplinary action. Students who believe they are being harassed by a student, employee or third party at the College should immediately report such concerns and seek support from the Director of Human Resources/ Title IX Coordinator.

PROHIBITING SEX-BASED MISCONDUCT

Lake Land College is committed to maintaining a safe and healthy educational and employment environment that is free from harassment and other forms of discrimination based on sex, sexual orientation, gender-related identity and expression, pregnancy, and other protected characteristics related to sex under federal, state, or local law. The College prohibits all forms of sex-based misconduct including, but not limited to sex discrimination, sexual harassment, sexual violence, domestic violence, dating violence and stalking. In accordance with Board Policy 11.04.01, Prohibiting Sex-Based Misconduct, and its implementing procedures, the College has an affirmative duty to act promptly and effectively once it has knowledge of an act of sex-based discrimination, sexual harassment, or other sex-based misconduct in any of its educational or employment programs or activities.

The College encourages individuals who have experienced sex-based misconduct to talk with someone about what happened so that they can get the support they need and so that the College can respond appropriately. Different employees on campus have different notification obligations when they receive information about conduct that may reasonably constitute sex based-misconduct.

Students are encouraged to seek assistance and support from Counselors in Counseling Services, the Student Wellness Center Manager, or the College Nurse. These individuals can serve as Confidential Advisors, can assist students in receiving the necessary protection and support, and assist students in filing a report for further investigation. Students can also report online and choose to either provide their identity or report anonymously. Where a reporting party chooses to provide their identity and contact information through the online system, the College will respond to the reporting party with a concise notification of rights and options. The online reporting system should not be used in emergency situations. In an emergency situation, victims should call 911 and/or the Prevail Illinois toll-free 24-hour crisis response service at 1-888-345-2846.

Additional information regarding student rights and college policy and procedures for addressing discrimination and harassment and sex-based misconduct is provided for students in the Student Handbook & Right to Know section of the College's website, through the Laker Hub and is emailed to current students each semester.

CONFIDENTIALITY OF STUDENT RECORDS AND DIRECTORY INFORMATION

The Family Educational Rights and Privacy Act ("FERPA") affords students certain rights with respect to their "Education Records". Lake Land College maintains only those "Education Records" which are essential to the process and procedures required to develop and maintain an accurate academic record for each student and to support such student accounting needs and requirements as are imposed by state and federal law and regulations and college policies and operational procedures. Students may inspect and review their records upon written request.

Personally identifiable information contained in a student's Education Record is considered confidential and will not be released without the written consent of the student, except as authorized under FERPA and/or its implementing regulations. Requests for Education Records shall be fulfilled through the college's Admissions & Records Office, which has responsibility for maintaining and disclosing Education Records.

The college has designated the following information as "directory information": student name, mailing address, college e-mail address, enrollment status (full-time or part-time), student classification, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, most recent previous school attended, and photograph. Any student objecting to his or her directory information being made public must file notice in writing of such objection with the Admissions & Records Office.

Any student objecting to his or her directory information being made public must file notice in writing of such objections with Admissions & Records.

POLICIES, PROCEDURES AND PROGRAMS

Some programs and courses in the Lake Land College Catalog were in the final approval process at the time of catalog publication. Minor changes may occur. Advisors and counselors will have the final information on all programs. Occasionally it is necessary to change policies, procedures and programs after the printing of the Lake Land College Catalog. As a result, policies, procedures and programs as indicated in this catalog may change without notice.


LAKELAND
COLLEGE
ALUMNI

IN THIS CHAPTER:

- CLEP/AP CREDIT
- GRADING SYSTEM
- GRADUATION REQUIREMENTS
- SCHOLASTIC STANDING
- STUDENT CALL TO MILITARY DUTY

ACADEMIC STANDARDS

STUDENT CLASSIFICATION

The Admissions and Records Office evaluates all student Intent to Enroll forms and classifies students as follows:

1. **DEGREE-SEEKING STUDENTS**
   Students who are seeking a Lake Land College degree or certificate of 24 or more credit hours.
2. **NON-DEGREE-SEEKING STUDENTS**
   Students enrolled in courses at Lake Land College who are not pursuing a degree or certificate of 24 or more credit hours.
3. **RE-ADMIT STUDENTS**
   Students who have interrupted their continued enrollment for at least one full year at Lake Land College.
4. **CONTINUING STUDENTS**
   Students who have a continuous enrollment status including enrollment interruptions lasting for less than one full year.
5. **NON-CREDIT STUDENTS**
   Students enrolled only in special interest, non-credit courses which do not apply toward a degree or certificate program.
6. **NEW STUDENT**
   A first-time enrollee at Lake Land College who has not enrolled in a degree or certificate program at any other institution of higher education.
7. **TRANSFER STUDENT**
   A student who has taken course work at any other institution of higher education.
8. **FRESHMAN**
   A student who has earned 28 college credits or less.
9. **SOPHOMORE**
   A student who has earned 29 college credits or more.
10. **FULL-TIME STUDENT**
    A student who is enrolled in 12 or more credit hours during the fall or spring term or six or more credit hours during the summer term.
11. **PART-TIME STUDENT**
    A student who is enrolled in fewer than 12 credit hours during the fall or spring term or fewer than six credit hours during the summer term.

STUDENT CALL TO MILITARY DUTY

Lake Land College students who are called to active duty in the armed forces will, upon their request, be given a one hundred percent (100%) refund of tuition and fees for the current term if they provide the Admissions and Records Office with ***1)*** a written request to be dropped from classes at 100% refund and ***2)*** a copy of their official orders for a call to active duty. If the call to active duty comes after mid-term, the student may ***1)*** request to be withdrawn from classes at 100% refund, ***2)*** try to complete classes in progress after consulting with the instructors, or ***3)*** request incomplete grades ("I") in accordance with Board Policy 07.17.01 – Incomplete Grade. Any request must be submitted prior to the end of the term in which the student is called to active duty.

ACADEMIC HONORS

HONORS LIST, DEAN'S LIST, AND PRESIDENT'S LIST

Each semester (excluding summer term), academic honors are awarded to students who have completed at least six (6) credit hours of courses at the .040 level or above that count in the grade point average (GPA) with a semester GPA as follows: Honors 3.50 – 3.64 GPA , Dean's List (high honors) 3.65 – 3.79 GPA, President's List (highest honors) 3.80 – 4.00 GPA. Students who have completed twelve (12) or more credit hours for the semester will be designated with full-time academic honors and those who have completed six (6) to eleven (11) credit hours for the semester will be designated with part-time academic honors.

STUDENT/ INSTRUCTOR WITHDRAWALS

It is beneficial for students to seek advice from the instructor and/ or counselor when considering withdrawal from a course. Students can withdraw from courses in one of the following ways: ***1)*** Use the Laker Hub to access the registration system. Students with a block on their record may not use the registration system to withdraw from courses. ***2)*** Submit a change of schedule form to Admissions & Records on campus. ***3)*** Call Admissions & Records and inform them of their intentions. The official date of withdrawal will be the date the form or phone call is received in Admissions & Records.

In order for a student to withdraw from a course and receive a "W" on their academic transcript, they must withdraw by an official date as established by the Academic Standards Committee and published in the official academic calendar, College Catalog and other official publications. For classes meeting eight weeks or longer, students can withdraw prior to four instructional days before the first day of the final examination period and receive a "W" on their academic transcript. For classes meeting less than eight weeks in length, students may withdraw prior to the date of the last class session and receive a grade of "W" on their academic transcript. Students who do not officially withdraw may receive an "F" grade on their transcript. Once students take the final exam, they cannot withdraw from that class.

It is important to consider the following when withdrawing from a course:

1. The refund policy. **No refund will be authorized for withdrawals or changes made after the refund period.**
2. Financial aid implications. Students may lose both current financial aid (grant/loan) and future financial aid eligibility if they withdraw and may be held responsible for full payment of tuition and fees.

Contact Financial Aid for more information.

An instructor may withdraw a student from class if the number of absences is detrimental to the student's ability to meet the course objectives. Instructors can withdraw a student from a course by the official date established by the College and published in the official academic calendar and other official publications.

Students with mitigating circumstances may make an appeal through the Student Complaint process with the Refund Review Board to be withdrawn after the official date to withdraw for the term. Refer to Board Policy 07.16.01 for the student financial or physical hardship withdrawal process. For students enrolled in correctional programs, the appeal process begins with the appropriate associate dean of the correctional site, with final approval made by the appropriate dean of the correctional site.

STUDENT FINANCIAL OR PHYSICAL HARDSHIP WITHDRAWAL PROCESS

In an effort to limit the financial detriment to students who may encounter a significant financial or physical hardship that requires them to withdraw from classes, and in accordance with Illinois law, including Public Act 102- 0998, the College may approve students to withdraw under the following documented circumstances:

- Serious injury or illness;
- Chronic illness;
- A medical issue of a family member, the result of which the student becomes a part-time or full-time caretaker of that family member;
- A mental health condition;
- A sudden or consistent lack of transportation; or
- A significant cost of living increase.

Students seeking withdrawal under this policy should submit an appeal via the Student Complaint process with appropriate accompanying documentation to the Refund Review Board to be withdrawn after the official date to withdraw for the term. After the Refund Review Board has recommended a decision and if the student can validate that financial or physical hardship circumstances still have not been properly addressed, a challenge to that decision may be made to the Vice President for Business Services. Decisions of the Vice President for Business Services are final. The case will be reviewed considering the individual's specific circumstances and a decision to approve or deny the student's withdrawal request under the category of financial or physical hardship will be determined. Upon approval of the appeal, the student will be referred to Counseling Services who will provide the student with information on how to reenroll when their specific circumstances will allow them to do so.

ACADEMIC STANDARDS & REGULATIONS

GRADES

A student's course work will be evaluated according to the following system:

Grade	Performance	Grade Point Value
A	Superior	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
W	Withdrawal	0
U	Audit	0
I	Incomplete	0
P	Pass (is not used in averaging grades but does carry credit)	

Final grades are posted to each individual student's record at the end of the academic term in which the course was completed.

Students may access their grades online at lakelandcollege.edu. Admissions and Records does not mail grades. Students who do not have access to the Internet should call 217-234-5434 to request a copy of their grades.

FIGURING GRADE POINT AVERAGE (GPA)

A student's academic standing at the college is determined by his or her grade point average (GPA). Students can figure their GPA by dividing the total number of grade points earned by the total number of semester hours attempted. The semester grade point average represents the average of class grades for one semester. A cumulative grade point average represents the average of the grades of all courses a student has taken at Lake Land College only. Only grades for courses at the 040 level or above are used to compute grade point average.

TO OBTAIN AN INCOMPLETE FOR A COURSE

A student who is unable to complete the requirements for a course during the scheduled time period due to illness or other extreme circumstance may request to be assigned a grade of "I" (Incomplete) and be allowed to complete the course during the next scheduled term (excluding summer).

To receive a grade of "I", the student must have been maintaining a passing grade at the time of the documented illness or extreme circumstance, the instructor must agree that this is an appropriate grade for the specific circumstance, and the student and the instructor must complete and submit a Request to Obtain an Incomplete form to the instructor's Division Chair with final submission to the Admissions and Records Office no later than the grades-due date of the term.

The student must then complete the requirements for the course prior to the mid-term date of the next scheduled semester. After the requirements have been completed, the instructor will determine the grade the student earned (A, B, C, D, F, or P) and report it to the Admissions and Records Office. Once an "I" grade is assigned, the student may not withdraw from the course. Any "I" grade remaining after the mid-term date will automatically be changed to an "F" grade.

Students should be aware that assignment of an "I" grade may impact their financial aid.

Students affected by this procedure are referred to the grade appeal section of the catalog.

GRADUATION WITH HONORS

In computing the final grade point average for graduation with honors, only courses and grades earned at Lake Land College will be used. *The final range of cumulative grade point average (GPA) to be awarded graduation honors are as follows:* cum laude, 3.50 – 3.64 GPA; magna cum laude, 3.65 – 3.79 GPA; and summa cum laude, 3.80 – 4.00 GPA.

Only those students completing degree requirements or a certificate program of 24 hours or more can be designated as graduating with honors. The grade exclusion policy will not affect the calculating of the final grade point average used to determine graduation with honors status.

Honors for spring candidates for degrees and certificates are tentative and are based upon their cumulative grade point average for courses taken at Lake Land College during the previous semesters. Summer candidates for graduation, although allowed to participate in the spring graduation ceremony, will not have an honors designation listed in the program.

At the time candidates are certified for graduation, a notation will be placed on their academic transcript and diploma indicating they graduated with honors.

ACADEMIC LOAD/MAXIMUM HOURS PER TERM

During the fall and spring semesters, no student may register for more than 20 semester hours without permission from the Vice President for Academic Services. During the summer term, no student may register for more than 10 semester hours without permission from the Vice President for Academic Services.

Contact 217-234-5220 or rearp@lakelandcollege.edu for additional information.

GRADE APPEALS

Grade appeals must be initiated by the student no later than the end of the sixth week following the close of the semester for which the assigned grade was recorded. This request must be initiated with the instructor of the course, the Division Chair or the Vice President for Academic Services. The Vice President for Academic Services has the final approval of grade appeals.

GRADE EXCLUSION POLICY

Students are offered a once-only opportunity to improve their grade point average provided they meet the following conditions:

1. They must not have been enrolled in credit courses at Lake Land College for at least two consecutive calendar years from their last enrollment period.
2. Must have completed a minimum of 12 semester hours with a grade point average of 2.00 or better at Lake Land after the two year waiting period.
3. Only "F" grades that were earned in a single semester or term of enrollment will be excluded.
4. The Grade Exclusion Policy cannot be applied before the minimum credits, waiting period and grade point average are earned.

Students planning to transfer to another institution are cautioned that the receiving university may use all grades earned in excluded courses for computation of grade point average for admission or other purposes. Eligible students should see a counselor or academic advisor to begin the process. Forms can be obtained from Admissions & Records.

REMAINING IN GOOD ACADEMIC STANDING

GOOD ACADEMIC STANDING

Lake Land College interprets a cumulative "C" average (A=4.0, B=3.0, C=2.0, D=1.0) as the minimum acceptable standard of scholarship for graduation. Students will be notified of their academic standing on their grade reports each term. *Minimum acceptable standards in terms of grade point average (GPA) to remain in "good academic standing" are as follows:*

12–20 hrs. 1.5 GPA	**21–29 hrs.** 1.6 GPA	**30–38 hrs.** 1.7 GPA
39–47 hrs. 1.8 GPA	**48–55 hrs.** 1.9 GPA	**56+ hrs.** 2.0 GPA

GOOD ACADEMIC STANDING – WARNING

1. Any student with a cumulative grade point average (GPA) high enough to be in good academic standing but less than 2.0 will be placed on good academic standing – warning status.
2. While on good academic standing- warning status, students:
   - **a.** Are encouraged to meet with an academic counselor before registration.
   - **b.** Must enroll in Strategies for Success (SFS 101).

ACADEMIC PROBATION

1. Any student whose cumulative grade point average falls below the minimum acceptable standards to remain in "good academic standing" after 12 semester hours will be placed on academic probation.
2. While on probation, students may continue to enroll in the college, however, they:
   - **a.** Must meet with an academic counselor before registration.
   - **b.** Must enroll in no more than 14 semester hours maximum during the fall and spring semesters and no more than 6 semester hours during the summer term.
   - **c.** Must enroll in Strategies for Success SFS 101.
   - **d.** Can be required to take developmental reading courses or tutoring in specific areas, upon the recommendation of counseling and reading professionals.
   - **e.** Must earn a 2.00 semester grade point average or a cumulative grade point average at or above the minimum acceptable standard for the number of semester hours attempted.
3. A student is removed from probationary status and considered in "good academic standing" when the cumulative grade point average is at or above the minimum acceptable standard for the number of semester hours attempted.

ACADEMIC SUSPENSION

1. Any student on academic probation who attempts one or more college credit courses at the 040 course level or above and fails to achieve a 2.00 semester grade point average or a cumulative grade point average at or above the minimum acceptable standard will be academically suspended from the college.
2. The suspension will be for the full term following the term of current enrollment. Readmittance to the college will be automatic for students who have been suspended.
3. No student may enroll in any college credit courses during the suspension period; however, with consent of a counselor, the student may enroll in courses below the 040 course level (developmental and general studies), College Reading & Study Skills RDG 039, and Strategies for Success SFS 101.
4. Students returning from academic suspension will be placed on academic probation status and will be required to successfully complete (obtain a passing grade in) Strategies for Success SFS 101. Students may also be required to complete developmental reading courses or tutoring in specific areas.

ACADEMIC DISMISSAL

1. Any student, previously suspended, who re-enters the college and while on probation, does not earn a minimum 2.00 semester grade point average or a cumulative grade point average at or above the minimum acceptable standard for the number of semester hours attempted will be dismissed for not less than one calendar year.
2. After the one year dismissal period, a student must petition the Academic Standards Committee for readmission. The petition for readmission must be submitted at least three weeks prior to the beginning of the term the student wishes to enroll.
3. Any student readmitted by the Academic Standards Committee will be notified in writing of the specific terms of readmission.

4. Students returning from academic dismissal will be placed on academic probation status and will be required to successfully complete (obtain a passing grade in) SFS 101 Strategies for Success. Students may also be required to complete developmental reading courses or tutoring in specific areas.
5. Any student who reenters the college after academic dismissal and does not meet the conditions required by the Academic Standards Committee may be permanently dismissed from the college.

ADDING COURSES

Students may add courses to their schedule through the first two instructional days of the semester or module. Classes less than a module in length must be added prior to the first day. Students may add an evening class prior to the second class meeting. In order to add a course, degree-seeking students may either use the registration system in the Laker Hub or submit a completed Change of Schedule form to Admissions & Records. Non-degree seeking students may call Admissions & Records staff to add classes.

DROPPING COURSES

Students may drop a course with no notation on their academic transcript and not be required to pay for the course (or receive a refund) during specific time periods dependent upon the length of the course.

- Courses meeting 12 weeks or longer must be dropped no later than 10 instructional days after the beginning of the semester.
- Courses meeting 8–11 weeks must be dropped no later than 5 instructional days after the beginning of the semester/module.
- Courses meeting 3–7 weeks must be dropped no later than the first instructional day of the course.
- Courses meeting less than 3 weeks must be dropped prior to the first instructional day of the course.

Students may be administratively dropped from courses if they do not meet the required pre-requisites.

In order to drop a course with no record, students must either use the registration system in the Laker Hub, call Admissions & Records or submit a completed Change of Schedule form to Admissions & Records to inform them of their intentions. It is the student's responsibility to drop courses according to policy and to secure proper documentation.

CHANGE OF PROGRAM OF STUDY

Unless informed otherwise, students are assigned the program of study/major they indicate on their Application. If a student wants to change his or her major and has not enrolled yet, then the student should contact Admissions & Records. If already enrolled, the student should complete a "Change Major" form online through their Laker Hub.

AUDIT A COURSE

To audit a course, the student must pay the same tuition and fees as if the course were being taken for credit. The student must declare the intention to audit the course in writing on the proper form with Admissions & Records during the registration period for the course. A grade of "U" will be assigned. The form is available online at lakelandcollege.edu/admissions.

REPEATING COURSES

Courses in which the content varies from semester to semester or in which a student is expected to gain increased knowledge and skill through repetition are designated as repeatable. These courses, and the maximum number of times each can be repeated, are noted in the course description section of the college catalog. When students repeat courses designated as repeatable, all credit hours and grades are computed in the hours earned and cumulative grade point average.

A student who earns a grade of F in a repeatable course and subsequently repeats it and earns a passing grade may request to have only the last credit hours and grade earned computed in the students' cumulative grade point average.

Students may repeat other courses that are not designated as repeatable with the understanding that only the last credit hours and grades earned will be computed in the students' grade point average.

Admissions & Records must be notified by the student in writing on the proper form of a repeated course to insure the repeat is noted on the transcript.

Students should be aware that repeating courses may impact their financial aid. Because repeat course policies vary from college to college, students planning to transfer are encouraged to familiarize themselves with the policy of the college they will attend.

IMPORTANCE OF ATTENDING CLASS

Because regular, punctual classroom attendance is considered important for quality performance and success, students are expected to punctually attend all meetings of classes in which they are enrolled. Instructors and/or division chairpersons have the prerogative to determine minimum requirements; oftentimes these requirements are determined by accrediting and credential-granting agencies. Instructors also have the prerogative of lowering grades for unexcused absences. Because the Illinois Community College Board requires instructors to certify the attendance of students at mid-term, an instructor may withdraw a student from class if the number of absences is detrimental to his/her ability to meet the course objectives. In case of prolonged absence because of illness, accident, or hospitalization, students must notify the College Health Services so that proper notification can be made to instructors. Student absences for the purpose of attending regular national guard or military reserve unit activities, volunteer emergency worker duty, and jury duty will be considered excused absences upon submission of appropriate documentation to the course instructor.

Lake Land College will reasonably accommodate student absences for religious observances in accordance with the University Religious Observations Act (110 ILCS 110/1 and 110/1.5) in regards to admissions, class attendance and the scheduling of examinations and work requirements. Students faced with schedule conflicts related to religious observances

should make prior arrangements with instructors at least ten (10) calendar days in advance of the examination or other activity involved. A student who believes that he or she has been unreasonably denied an educational benefit due to his or her religious beliefs or practices may appeal the decision in accordance with the college's Student Concerns and Grievances Procedures.

Students who are seeking attendance accommodations in accordance with Title IX, the Americans with Disabilities Act, and Section 504 of the Rehabilitation Act, may be required to submit medical certification in order for the absence to be excused.

Procedures can be found on the website under "Student Conduct" at lakelandcollege.edu/studenthandbook/student-code/.

CLASS ATTENDANCE AND COLLEGE-SPONSORED ACTIVITIES AND EVENTS

College-sponsored student activities and events should not conflict with regularly scheduled classes unless necessary. Staff planning student activities and events during regularly scheduled class times must submit a request to the appropriate Vice President for prior approval. Once approved, the staff member supervising the activity will provide notification to instructors and include the names of the students who will participate. When activities are rescheduled due to weather or other unforeseeable conditions, the staff member will notify the instructors as soon as possible after the schedule change is made.

Participation in approved college-sponsored student activities and events will be considered excused absences and students will be allowed to complete work according to the following:

1. The student will contact the instructor at least one week prior to the absence. When activities are rescheduled due to weather or other unforeseeable conditions, the student will contact the instructor as soon as possible after the schedule change is made.
2. The student should request from the instructor the work to be made up and complete what can be completed prior to the absence. Examinations and other assignments that cannot be completed prior to the absence will be made up at a time mutually agreed upon by the student and the instructor.
3. If needed, an instructor can make an alternative assignment for the make up work.
4. If a student fails to notify the instructor prior to the absence or does not complete the assignment as mutually agreed upon, the student will not be allowed to make up the work.

FINAL EXAMINATIONS

Rescheduling of final exams is not permitted except with permission of the Vice President for Academic Services and with the consent of the instructor.

The schedule can be found at lakelandcollege.edu.

CREDIT BY PROFICIENCY EXAMINATION

If reasonable evidence exists that a student possesses college-level academic proficiency in a subject area, the student may request to take a proficiency examination. Students may earn credit for college courses based on proficiency examinations and use that credit to meet requirements for an associate degree or certificate.

Proficiency examinations are limited to those courses recommended by the Division Chair and approved by the Vice President for Academic Services. Forms to begin the process are available in the Office of the Vice President for Academic Services.

A non-refundable evaluation fee equal to fifty percent (50%) of the current in-district tuition per credit hour is required for a proficiency examination and must be paid in advance. A grade will be given and the credit earned will be posted to the student's transcript. No official record is made of failures. Tuition and fees will not be assessed for credit earned by proficiency examination. Proficiency examinations are given with the following criteria:

1. Examinations are given for experience for which no prior college credit has been received.
2. The student must be admitted into the College and must not have previously audited or taken any course for which he/she is seeking credit.
3. The student will not be certified for academic credit in any course that he/she is not eligible to register for credit.
4. No proficiency examination will be given if the student is currently enrolled in the course past the official refund date.
5. Examinations will not be given if the student has received credit for advanced work in the subject area beyond the course in which the examination is requested.
6. Students may attempt a proficiency examination one time per course.

ADVANCED PLACEMENT

Lake Land College grants credit for courses taken by high school students who participate in the Advanced Placement Program. Credit is based on course examinations administered by the College Entrance Examination Board, and the following provisions apply:

1. Students must have scores sent directly to Lake Land College Admissions and Records. (Scores from other college transcripts cannot be used.)
2. All scores will be individually evaluated to determine specific course credit and the amount of credit to be awarded (See below.)
3. Credit will be granted without a grade, but it may be used to fulfill graduation requirements.
4. Credit will not be used to calculate grade point averages.
5. No tuition or fees are charged for Advancement Placement credit.
6. Students should be aware that Advanced Placement credit may not be accepted by another college or university.

COURSE/CREDIT AP TEST TITLE	MINIMUM HOURS GRANTED	SCORE
Spanish Language & Culture	FLG 140 and FLG 141 (6 hrs)	3
English Language & Composition	ENG 120 (3 hrs)	3
English Literature & Composition	LIT 130 (3 hrs)	3
Computer Science A	CIS 156 (3 hrs)	3
Biology	BIO 100 (4 hrs)	3
Chemistry	CHM 150 (4 hrs)	3
Chemistry	CHM 150 and 151 (8 hrs)	5
Environmental Science	BIO 130 (4 hrs)	3
Physics – 1: Algebra-Based	PHY 130 (4 hrs)	3
Physics – Algebra-Based	PHY 131 (4 hrs)	3
Physics – C: Mechanics	PHY 140 (4 hrs)	3
Physics C: Electricity and Magnetism	PHY 141 (4 hrs)	3
Calculus AB	MAT 241 (5 hrs)	3
Calculus BC	MAT 241 and MAT 242 (9 hrs)	3
Precalculus	MAT 140 (6 hrs)	3
Statistics	MAT 125 (3 hrs)	3
Macroeconomics	ECO 231 (3 hrs)	3
Microeconomics	ECO 232 (3 hrs)	3
United States History	HIS 155 or HIS 156 (3 hrs)	3
United States Government and Politics	POS 160 (3 hrs)	3
Psychology	PSY 271 (3 hrs)	3
Art History	ART 260 and AAT 261 (6 hrs)	3
Drawing	ART 100 and ART 200 (6 hrs)	3
2-D Art and Design Portfolio	ART 110 (3 hrs)	3
3-D Art and Design	ART 111 (3 hrs)	3

CREDIT THROUGH THE CLEP EXAM

College credit is given for examinations taken through the College Level Examination Program (CLEP) of the College Entrance Examination Board (CEEB) if satisfactory scores are achieved.

The following provisions apply:

1. Students must have scores sent directly to the Lake Land College Admissions & Records. (Scores from other college transcripts cannot be used.)
2. All scores will be individually evaluated to determine specific course credit and the amount of credit to be awarded. Lake Land College accepts the American Council on Education (ACE) recommendations for credit-granting scores (see chart).
3. Credit will be granted without a grade, but it may be used to fulfill graduation requirements.
4. Credit will not be used to calculate grade point averages.
5. No tuition or fees are charged for CLEP credit.
6. Students should be aware that CLEP credits may not be accepted by another college or university.

Students interested in taking a CLEP test may obtain information from the Director of the Student Success Center in Webb Hall, or by calling 217-234-5287.

MINIMUM CLEP TEST	CREDIT SCORE	GRANTED	EQUIVALENCE
College Algebra	50	3 hrs	MAT 130
Calculus	50	5 hrs	MAT 241
College Composition	50	3 hrs	ENG 120
Humanities	50	3 hrs	HUM 150
Social Sciences and History	50	3 hrs	Social Science elective
Financial Accounting	50	3 hrs	BUS 151
Principles of Management	50	3 hrs	BUS 251
Principles of Marketing	50	3 hrs	BUS 247
American Government	50	3 hrs	POS 160
History of the US I: Early Colonization to 1877	50	3 hrs	HIS 155
History of the US II: 1865 to Present	50	3 hrs	HIS 156
Human Growth and Development	50	3 hrs	PSY 279
Principles of Microeconomics	50	3 hrs	ECO 232
Principles of Macroeconomics	50	3 hrs	ECO 231
Introductory Psychology	50	3 hrs	PSY 271
Western Civilization I: Ancient Near East to 1648	50	3 hrs	HIS 250
Western Civilization II: 1648 to present	50	3 hrs	HIS 252
Introductory Sociology	50	3 hrs	SOC 280
Chemistry	50	4 hrs	CHM 120 or CHM 150
Biology	50	4 hrs	BIO 100
Introductory Business Law	50	3 hrs	BUS 200
Analyzing and Interpreting Literature	50	3 hrs	LIT 130
American Literature	50	3 hrs	LIT 251
English Literature	50	3 hrs	LIT 260
Spanish Language Level 1	50	6 hrs	FLG 140 & 141
Precalculus	50	5 hrs	MAT 140

LIFE EXPERIENCE CREDIT THROUGH PORTFOLIO DEVELOPMENT

Not all learning takes place in the classroom. Valuable college-level knowledge may be acquired through job experience and other life accomplishments. Students may earn credit for college courses based on life experience and may use that credit to meet requirements for an associate degree or certificate. Learning experience must parallel courses offered at Lake Land College and credits are applied based on requirements of each specific certificate or degree.

Credit is awarded based on completion of INS099 Portfolio Development and an evaluation of documentation of the learning experiences presented through the portfolio process. Students must demonstrate an acquisition of knowledge of the learning outcomes of the course to receive credit for life experiences. Tuition and fees will be charged for INS099 and a pass/fail grade will be assigned. A non-refundable evaluation fee equal to fifty percent (50%) of the current in-district tuition per credit hour will be required prior to formal evaluation of the portfolio. No tuition or fees are charged for credit earned through portfolio development and no grade is assigned. The credit will be posted to the student's transcript. No official record is made if no credit is granted for the portfolio. *Life experience credit is awarded with the following criteria:*

1. Life experience credit will be awarded for courses for which no prior college credit has been received.
2. The student must be admitted into the college and must not have previously audited or taken any course for which he/she is seeking credit.
3. The student will not be certified for academic credit in any course that he/she is not eligible to register for credit.
4. No life experience credit will be given if the student is currently enrolled in the course past the official refund date.
5. Life experience credit will not be given if the student has received credit for advanced work in the subject area beyond the course for which the credit is requested.
6. Students may attempt life experience credit one time per course.
7. Portfolios must be completed and submitted prior to the start of the semester in which the student plans to graduate.
8. Each portfolio will be individually evaluated and must meet all requirements to be awarded credit for a specific course(s). No partial course credit will be granted.

CREDIT THROUGH THE INTERNATIONAL BACCALAUREATE PROGRAM

Lake Land College grants credit for courses taken by high school students who participate in International Baccalaureate Programs. Credit is based on the International Baccalaureate Diploma subject scores according to the following provisions:

1. Students must have scores sent directly to Lake Land College Admissions and Records Office. (Scores from other college transcripts cannot be used.)
2. All scores will be individually evaluated to determine specific course credit and the amount of credit to be awarded (see chart below).
3. Credit will be granted without a grade, but it may be used to fulfill graduation requirements.
4. Credit will not be used to calculate grade point averages.
5. No tuition or fees are charged for International Baccalaureate credit.
6. Students should be aware that International Baccalaureate credit may not be accepted by another college or university.

MINIMUM IB EXAM	CREDIT SCORE	EQUIVALENT GRANTED	COURSE(S)
Biology (HL or SL)	4	4 hours	BIO 100
Business Management (SL)	4	3 hours	BUS 142
Chemistry (HL)	4	8 hours	CHM 150 & 151
Chemistry (SL)	4	4 hours	CHM 111 or 120
Computer Science (HL or SL)	4	3 hours	CIS 156
Economics (HL or SL)	4	3 hours	ECO 231
Geography (HL or SL)	4	3 hours	GEO 140
Global Politics (HL or SL)	4	3 hours	POS 264
History (HL or SL)	4	3 hours	HIS 250
Math (HL)	4	8 hours	MAT 125 & 241
Math (SL)	4	8 hours	MAT 125 & 140
Math, Further (HL)	4	10 hours	MAT 125, 242 & 255
Philosophy (HL or SL)	4	3 hours	PHI 270
Physics (HL)	4	4 hours	PHY 140
	6	8 hours	PHY 140 & 141
Physics (SL)	4	4 hours	PHY 130
	6	8 or 4 hours	PHY 130 & 131 or PHY 140
Psychology (HL or SL)	4	3 hours	PSY 271
Social and Cultural Anthropology (HL or SL)	4	3 hours	ANT 200
Theatre (SL)	4	3 hours	SPE 244
World Religions (SL)	4	3 hours	PHI 232

CREDIT THROUGH THE ILLINOIS STATE SEAL OF BILITERACY

Lake Land College grants course credit for two semesters of foreign language, including sign language, if a student's high school transcript indicates that the student has been awarded the Illinois State Seal of Biliteracy. The student must request the course credit through the Lake Land College Admissions and Records Office within three (3) academic years after graduating from high school. Credit is based on criteria established by the State Board of Education and the following provisions apply:

1. Students must submit a final high school transcript verifying receipt of the State Seal of Biliteracy.
2. Students must request course credit for the Seal within three (3) academic years after graduating from high school and must be currently enrolled at Lake Land College at the time of the request.
3. Credit will be limited to the foreign languages the College is approved to offer as follows:
   a. ENG110/111: Manual Communication-Deaf and Advanced Signing
   b. FLG140/141: Elementary Spanish I and II
4. Credit will be granted without a grade and will not be used to calculate grade point average but may be used to fulfill graduation requirements.
5. No tuition or fees will be assessed for the credit to be awarded.
6. Students should be aware that the credit may not be accepted by another college or university.

CREDIT FOR PROFESSIONAL CERTIFICATION AND LICENSURE

Lake Land College may award credit to students seeking advanced education in an academic program for which the student currently holds professional certification or licensure through the State of Illinois. Specific credit to be awarded is determined by the academic department in which the program of study is offered and approved by the vice president for academic services through submission of an Academic Request form. The following provisions will apply:

1. Students must submit a copy of their current certification or licensure to the Admissions and Records Office.
2. Credit will be awarded according to the pre-approved equivalencies established by the academic department and published in the college catalog.
3. Credit will be granted without a grade, but it may be used to fulfill graduation requirements.
4. Credit will not be used to calculate grade point averages.
5. No tuition or fees will be charged for professional certification or licensure credit.
6. Students should be aware that professional certification or licensure credit may not be accepted by another college or university.

CREDIT FOR MILITARY EXPERIENCE

Lake Land College grants credit for military training, education and occupational experience in accordance with the American Council on Education (ACE) Military Guide including credit for DANTES Subject Standardized Tests (DSST). ACE credit recommendations appear on a service member's Joint Services Transcript. To receive Lake Land College credit based on the Joint Services Transcript:

1. Students must submit the Joint Services Transcript and a Transcript Evaluation Request to Admissions and Records.
2. The Joint Services Transcript will be evaluated to determine specific course credit applicable to the requirements of the student's certificate or degree program.
3. Credit will be granted without a grade, but it may be used to fulfill graduation requirements. (See Board Policy 07.24 Graduation Requirements.)
4. Credit will not be used to calculate grade point average.
5. No tuition or fees will be charged for credit awarded.
6. Students should be aware that credit awarded for military experience may not be accepted by another college or university.

Students may be awarded three hours of credit for completion of military basic training. If this credit is not documented on a Joint Services Transcript, the student may submit to the Admissions and Records Office a DD 214 indicating honorable discharge.

INDEPENDENT STUDY

Students may pursue supervised study for one-half to four semester hours of credit on an independent basis for academic work which reflects a reasonable and moderate extension of current Lake Land College courses. Students are permitted to enroll in Independent Study with permission of the instructor and approval by the Division Chair and the Vice President for Academic Services. See course description for INS 299 Independent Study.

TRANSFER TO OTHER COLLEGES OR UNIVERSITIES

Students intending to transfer to other colleges or universities are encouraged to plan their programs with a counselor to ensure compatible course selection.

The General Education Compact Agreement provides that any student who earns an associate degree in a baccalaureate-oriented program at Lake Land College shall enter the following senior colleges and universities with a junior standing, having fulfilled all lower division general education requirements of the senior institution:

- Chicago State University
- Eastern Illinois University
- Governors State University
- Illinois State University
- Northeastern Illinois University
- Northern Illinois University
- University of Illinois – Springfield
- Southern Illinois University – Carbondale and Edwardsville
- Western Illinois University

Baccalaureate programs include Associate in Arts (AA), and Associate in Science (AS).

Students who opt not to complete the A.A. or A.S. degree are advised to complete the Illinois Articulation Initiative General Education Core Curriculum. This option assures students that when they transfer to a senior institution they will have met all lower division general education requirements.

Students transferring without completing the Associate in Arts or Associate in Science degree and who have not completed the General Education Core Curriculum will have their transfer credits evaluated on a course by course basis. Also, these students will be required to meet the general education requirements of the institution to which they transfer.

TRANSCRIPT EVALUATION

An official evaluation of regionally accredited college and university official transcripts, Lake Land College, and military credit, is available to students by filing a transcript evaluation form at Admissions & Records. The form is available online at lakelandcollege.edu/admissions. Student copies will not be evaluated. If an informal evaluation is done, the student assumes responsibility for course selection.

ASSESSMENT

Because of its commitment to continually improve the quality of educational experiences, Lake Land College uses information from and about students to improve instructional programs and general education. Assessment is the process of measuring student performance and using the results to improve courses and programs. The process is integral to the college's affirmation of accreditation with the Higher Learning Commission. To ensure that adequate information is available, students will be asked to participate in personal interviews, to take program and/or general education assessments, or to complete surveys. More information about Assessment can be found online at lakelandcollege.edu under Academic Information.

DEGREES AND CERTIFICATES AWARDED

THE ASSOCIATE IN ARTS OR THE ASSOCIATE IN SCIENCE DEGREE will be awarded to those students who pursue a course of study leading to transfer to a four-year college or university. The requirements for these degrees are as rigorous as those at the four-year college or university and upon completion of the requirements students are admitted with junior standing to those colleges and universities that endorse the General Education Compact Agreement sponsored by the Illinois Board of Higher Education. Students select either the associate in arts or the associate in science degree based on their intended major and the requirements of their four year college or university.

THE ASSOCIATE IN ENGINEERING SCIENCE DEGREE will be awarded to those students who pursue a course of study leading to transfer to a four-year college or university with a major in engineering. Degree requirements differ significantly from the Associate in Arts and Associate in Science degrees so students need to follow precisely the curriculum model for the Associate in Engineering Science degree. Students interested in pursuing a bachelor's degree in architectural or chemical engineering should consult a counselor before choosing the degree path to follow.

THE ASSOCIATE IN APPLIED SCIENCE DEGREE will be awarded to those students who meet the specific requirements based on occupations, semi-technical and technical curricula. Students pursue this degree in order to obtain training for immediate employment in business or industry.

THE ASSOCIATE IN GENERAL STUDIES (AGS) DEGREE will be awarded to those students who complete a liberal course of study. The AGS degree provides a student with a unique opportunity to develop an individualized program that crosses traditional academic disciplines. This degree permits a student to develop a learning program that may be focused toward a career, personal interest, and enrichment or a combination of these objectives.

CERTIFICATES will be awarded to students who complete the prescribed program model as listed in the catalog. Certificate programs are occupationally oriented and vary from six credit hours to one year of study. Certificate programs requiring less than 16 credit hours are not eligible for federal Title IV financial aid or the Illinois Monetary Award Program grant.

GENERAL GRADUATION REQUIREMENTS

REQUIRED OF ALL STUDENTS IN DEGREE PROGRAMS

Students will be eligible for graduation when they have met all of the following requirements:

1. Met all college admissions requirements.
2. Fulfilled all general and specific requirements in one of the associate degree curriculums listed in the catalog. Associate in Science and Associate in Arts degree major requirements may vary from sample college transfer curriculum depending upon the students' selection of courses to meet four-year college requirements.
3. Accumulated the minimum semester hours required for the specific degree.
4. Accumulated a grade point average of 2.00 (C) in the general and specific requirements for the degree. Only courses at the .040 course level or above will count toward graduation.
   a. The final grade point average for graduation of students who have made a major career program change only includes those credit hours and grades of courses applicable to meet the requirements of the major.
   b. The final grade point average for graduation of transfer students does not include grades earned at other institutions for courses accepted toward graduation at Lake Land College. Advanced standing and transfer credit are granted for courses passed in accredited colleges and universities. The college defines accredited as the Higher Learning Commission or other regional accrediting agencies.

c. Students enrolled in the Associate Degree in Nursing, Dental Hygiene and Physical Therapist Assistant programs must earn a grade of "C" or higher in all required courses to remain in, and graduate from the program.

d. Students enrolled in the John Deere Tech program must achieve a grade of "C" or higher in all JDA classes and TEC 048 to remain in and graduate from the program. Any student receiving less than a "C" in these classes will be required to withdraw from the program and repeat the class during the next scheduled offering prior to continuing in or graduating from the program.

5. Completed at Lake Land College at least 15 credit hours required for the degree. Hours earned through Advanced Placement, International Baccalaureate and CLEP do not count toward the 15 credit hours. Credits transferred from other colleges are evaluated on a course-by-course basis.
6. Filed a Graduation Application with Admissions & Records by the posted date of the semester in which the student will meet academic graduation requirements.
7. A grade of "C" or better is required in Composition I and II (ENG 120 and ENG 121) to graduate with an Associate in Arts, Associate in Science or Associate in Engineering Science Degree.

REQUIREMENTS FOR MORE THAN ONE ASSOCIATE DEGREE

Students may earn more than one degree if they meet all general and specific curriculum requirements for each degree. However, students completing more than one degree according to catalog requirements in effect prior to Fall 2016, may not earn both an Associate in Science and an Associate in Arts degree.

It is important that students meet with their advisor or counselor to ensure appropriate course selection because not all courses are applicable to a degree, or intended for or accepted as transfer credit to senior institutions.

Students who seek more than one degree from Lake Land College are subject to published deadlines to file a Graduation Application with Admissions & Records for each degree.

REQUIRED OF ALL STUDENTS IN CERTIFICATE PROGRAMS

Students will be eligible for graduation when they have met all of the following requirements:

1. Met all college admissions requirements.
2. Fulfilled all general and specific requirements in one of the certificate programs listed in the catalog.
3. Achieved a "C" (2.00) or received a grade of P (Pass) average in those courses applicable to meet the requirements of the certificates.
   a. Students enrolled in the Massage Therapy and Practical Nursing programs must earn a grade of "C" or higher in all required courses to remain in, and graduate from, the program.
   b. Students enrolled in the Medical Assistant Program must earn a grade of "C" or higher in all MAP courses to remain in, and graduate from, the program.
4. Completed at Lake Land College at least one-half of the total number of semester hours required for the certificate. Hours earned through Advancement Placement, International Baccalaureate and CLEP do not count toward this one-half. Credits transferred from other colleges are evaluated on a course-by-course basis.
5. Filed a Graduation Application with Admissions & Records by the posted date of the semester in which the student will meet academic graduation requirements.

NOTE: A student who discontinues attendance for a full year or more will be subject to requirements in the current catalog at the time of registration. The student is responsible for proper registration each semester and for satisfying all graduation requirements.

LAKER LEARNING COMPETENCIES

During Spring 2024, the Lake Land College faculty and Board of Trustees adopted the Laker Learning Competencies, which are general education/institutional learning outcomes that align with Lake Land College certificates and degrees. The purpose of general education is to provide all students with learning experiences that are necessary to enable them to maintain responsible and satisfying relationships to society and the environment. The Laker Learning Competencies are assessed and supported through the Learning Excellence Committee and include the following:

Communication: Students communicate through the exchange of information.

Creative Thinking & Problem Solving: Students think creatively to solve problems.

Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.

Global & Cultural Literacy: Students distinguish that society is a culturally diverse and global environment with differing opinions, practices and ideas.

Information & Technology Literacy: Students evaluate information effectively using the appropriate technological tools.

Professional Skills & Ethics: Students demonstrate professional skills and ethical accountability.

Quantitative Literacy: Students analyze data and mathematical patterns in real-life situations.

Scientific Literacy: Students apply the scientific process to real-life situations.

IMPROVING HUMAN RELATIONS

It is the policy of Lake Land College to include in its General Education requirements course work on improving human relations. This policy includes improvement in understanding about race, ethnicity, gender, and diversity issues.

Each general education course will address the issues of race, ethnicity, gender, and other issues as they relate to racism and sexual harassment as a part of the discipline. Each discipline will, as a part of the course, develop course work which is appropriate to that area of study.

IN THIS CHAPTER:

- ALUMNI ASSOCIATION
- ATHLETICS
- CLUBS
- HONORS EXPERIENCE
- HOUSING
- LAKER POINT
- PARKING
- POLICE DEPARTMENT
- STUDENT ACTIVITY BOARD
- STUDENT AMBASSADORS
- STUDENT GOVERNMENT
- STUDENT IDS
- STUDENT LIFE
- TEXT ALERTS
- TEXTBOOK RENTAL
- WLKL

COLLEGE LIFE

STUDENT LIFE

Student Life at Lake Land College is comprised of the Student Government Association, Student Activity Board, Student Publications, intercollegiate and intramural athletics, and clubs. The major funding source for Student Life comes from the Student Activity Fee.

STUDENT GOVERNMENT ASSOCIATION (SGA)

The SGA acts as the official voice of the student body to the college community. This student organization is elected by the student body. They provide students with the opportunity to build leadership skills and serve the campus and community as a whole. The SGA provides criteria through which clubs and organizations are recognized by the Lake Land College Board of Trustees. Various events are hosted throughout the year including the High School Leadership Conference, Club Luncheon, Student Recognition Banquet, blood drives and other community service programs.

STUDENT ACTIVITY BOARD (SAB)

The primary function of the SAB is to provide social and cultural events for the college student body. On Wednesdays at 11 a.m., the SAB brings nationally touring comedians, musicians, hypnotists and more to campus. All events are free to students. Events are also held monthly at the Effingham Technology Center. The SAB allows students to develop creativity and teambuilding skills. SAB members are selected through an application and interview process.

THE NAVIGATOR NEWS

The college newspaper is a designated public forum and a student-run publication. It functions under the direction of student editors, staff writers, managers, and adviser. The primary purposes of *The Navigator News* are: to inform students of institutional and local news; to provide students a forum for the sharing of ideas; to expose students to different points of view; to provide journalistic experiences for students; and to serve as a source of entertainment for students. The current issue of The Navigator News can be found at thenavigatornews.com.

STUDENT AMBASSADORS

The Student Ambassadors are a group of students who serve as official representatives of Lake Land College. The Ambassadors assist the college by informing prospective students of the opportunities available to them at Lake Land. In addition, they assist with several campus organizations and personnel with special school functions.

To become an Ambassador, students must meet the following criteria:

- be at least a half-time student for both fall and spring semesters
- maintain a 2.5 GPA
- complete an application
- complete an interview

Once students are selected, they attend training sessions and weekly meetings to learn more about the college. During the school year, the Ambassadors give tours of the campus, attend college/career fairs, visit high schools, and assist with special school functions. Interested students should contact Admissions & Records.

NSLS

The National Society of Leadership and Success (NSLS) is the largest leadership honor society in the United States. Our NSLS chapter at Lake Land College was started in 2017. It is part of the national organization with 700+ chapters and over 1.4 million members. Students are selected based on exemplary academic achievement. Visit info.nsls.org to learn more about the benefits that members have access to:

- More than $400,000 in scholarships.
- An exclusive NSLS job board.
- A personalized letter of recommendation.
- The NSLS leadership program teaches the interpersonal skills that employers seek to give an edge in the job market. Member benefits are:
- Learn from exceptional leaders like former President Barack Obama during exclusive Speaker Broadcasts.
- Meet new friends and make lifelong connections (on-campus and virtually).
- Overcome challenges with success coaches shortcutting your way to success.
- Access to private networking events.
- NSLS designation on their transcripts once fully inducted.
- Exclusive NSLS recognition at the graduation ceremony.
- Participate in an induction ceremony, educational field trips, social activities and special events.

For more information about Student Life, contact studentlife@lakelandcollege.edu, call 217-234-5270 or visit Luther Student Center, room 404 or www.lakelandcollege.edu/student-life/.

TEXTBOOKS / COURSE MATERIALS

The Rental System is part of the Laker Nest Bookstore. Lake Land College is among the few colleges and universities across the United States that have a rental system for textbooks. Students realize significant savings on the cost of textbooks with the Rental Program. All students are required to pay the service fee (see How to Pay for College chapter of this catalog) which includes the purchase and management of textbooks for the rental system.

Course materials are issued by the bookstore, subject to the following:

1. Programs with special academic or student needs may require that course materials be purchased by the student.
2. Printed and electronic workbooks and course supplies will be purchased by the student.
3. All rented items must be returned to the college by the day the semester closes, which is the day following the last day of finals. Beginning the following day, students will be charged new retail price of unreturned rentals. Textbook return deadlines are published on the Laker Calendar and are shown on the student booklist. After the period mentioned above, any textbooks that have not been returned to the Bookstore will become the property of the students and the total cost for those books will be added to the student's bill. At that time, books can no longer be returned to the Bookstore and any future financial aid, scholarships, or student loans may be held or applied against these charges.
4. Students will be charged new retail price for defaced or damaged books.
5. Students with unreturned course materials may be restricted from receiving transcripts, restricted from renting items and restricted from any further registration activity until all fines are paid.

STUDENT ID CARDS

Students other than those enrolled in the Dual Credit program or those enrolled in a Correctional Center program will be issued a Student ID. All student IDs are the property of Lake Land College and are provided for appropriate use for identification and access to services. A Student ID is required to rent books from the Bookstore. A student is required to carry the card when on campus, at the Effingham Technology Center, or at an extension center. The student should report a lost or stolen card to the Police Department within 48 hours. A student is responsible for all transactions with the card until the card is reported missing to the Police Department. A fee will be charged to issue replacement cards. The Lake Land College Student ID is for the student's use only. It is not to be loaned to anyone. Student ID cards are issued on campus. A government-issued ID is required to obtain a Laker student ID.

PARKING

Parking is provided for all students in approved parking lots on campus without charge. Reserve parking is available for people with disabilities. Parking is monitored by Police Officers. Unauthorized parking is subject to a fine.

INTERNATIONAL STUDIES

STA 200

Community members can audit the STA 200 study abroad course that discusses cultural differences. STA 200 prepares students for an educational trip.

ATHLETICS

INTERCOLLEGIATE ATHLETICS

The program of intercollegiate athletics is dedicated to the belief that athletic competition complements the existing programs offered by Lake Land College. Athletics is an integral part of the total educational process, which fosters sound educational goals concurrent with those of the college. The college is a member of the National Junior College Athletic Association (NJCAA) and competes in Region XXIV. The NJCAA has a cohesive program for recognition of sports and athletes from two year colleges throughout the nation. Regional and national tournaments are held in all sports. Lake Land College, as a Division I and Division II, NJCAA College, awards athletic scholarships to talented student athletes.

The college program of intercollegiate athletics for men includes basketball and baseball. Women compete in volleyball, softball, and basketball on the intercollegiate level.

INTRAMURAL ATHLETICS

An intramural program is available to all students and includes softball, basketball, volleyball, badminton, bowling and golf.

STUDENT ACTIVITIES

From comedians, musicians, hypnotists, and speakers to great giveaways, free meals and a spring carnival, the college provides students with a wide range of free entertainment and activities to enjoy on campus and at the Effingham Technology Center.

CLUBS

Several clubs are available for students to participate in such as: Active Minds, Agriculture Business & Production, Agriculture Transfer, PRIDE, Broadcasting Club, Club IT, Cosmetology, Early Childhood Education & Family Services, Creative Arts Club, Environmental Club, Future Educators of America Club, Horticulture Club, Human Service Club, International Students Association, Motorsports and Fabrication, Nursing, Phi Theta Kappa Honors Society, Physical Therapist Assistant, Post-Secondary Agricultural, and many more. Students interested in starting a club that is not currently available are encouraged to do so!

Information on the Student Government Association (SGA), Student Activity Board (SAB), Navigator, clubs and organizations can be obtained from Student Life, located in the Luther Student Center, room 404 or from the website at https://www.lakelandcollege.edu/get-involved/.

TEXT NOTIFICATIONS

Students are automatically entered in the college's notification system which sends emails and texts to notify them of class cancellations, emergency weather closings, emergency communication messages or general information/deadline reminders. Students can opt-out of the option to receive texts in the Laker Hub.

COLLEGE RADIO STATION WLKL

The Lake Land FM stereo station covers a 35- to 40- mile radius of campus. The station broadcasts alternative music, news, sports and weather 24 hours a day/seven days a week/365 days a year. WLKL is located at 89.9 on the FM dial, and can be heard online at 899themax.com.

LAKE LAND COLLEGE ALUMNI ASSOCIATION

The Lake Land College Alumni Association is open to anyone who has taken a class at Lake Land College. Membership is free and provides the alumnus with networking opportunities, e-newsletters and an annual alumni magazine. We encourage alumni to remain active with their alma mater through various opportunities to serve on divisional advisory boards, mentoring and updating their contact information. The association also sponsors the Alumni Association scholarship through the Lake Land College Foundation, which is awarded to a family member of a college alumnus.

POLICE DEPARTMENT

Lake Land College's Police Department creates a very safe campus environment for students and faculty.

Police officers are on duty 24 hours a day, and provide a full range of law enforcement services to assist in providing students, faculty and staff with a safe and secure environment. The Police Department is located in the Luther Student Center.

The Police Department provides many services for the Lake Land community including crime awareness programs, escorts, assistance with motorist emergencies, correction of safety hazards, and processing of lost and found items. For assistance, or questions concerning available services, contact the Police Department at 217-234-5432, or 217-234-5066. In case of an emergency, you may also call 911 from any phone.

The college's annual security report and other valuable information is located on the police department's web page.

HOUSING

Lake Land College does not maintain housing for students; however, housing is available adjacent to campus and in nearby communities. A listing of vacancies may be obtained from the classified advertising section in local newspapers. A listing of housing opportunities is also available on the college website. The college provides this information for convenience and assistance, but does not accept responsibility for the nature of the housing facilities. None of the facilities have been examined or approved by college personnel. Neither Lake Land College nor any of its agents or employees assume responsibility for any lease or rental agreements and cannot be held liable for nonpayment or damage.

LAKER POINT

Located in the Luther Student Center, Laker Point is the place for students and staff to go for a variety of breakfast, lunch, dinner and snack choices while enjoying the various student-friendly study and conversation areas. Students can relax, gather with friends, meet with study groups, etc. Computers are available for student use.

CATERING FOR LAKE LAND FACILITIES

Catering for large or small events is available for anyone using Lake Land College facilities. This includes campus departments and organizations along with outside groups using the college's facilities. Anything from full catered meals to simple snack trays can be ordered from one of a variety of approved caterers. Outside vendors shall have a current food service permit and proof of public liability insurance. See Board Policy 11.17 for full details.

STUDENT FITNESS CENTER

The Fitness Center is equipped with state-of-the-art PRECOR cardio equipment, NAUTILUS circuit training equipment, a free-weight area furnished with PRECOR, NAUTILUS, and TKO weights, and an aerobics room furnished with mirrors, a television, and built-in sound system. The Fitness Center is available for current Lake Land College students and employees as well as retirees to use on a walk-in basis or for a credit class (PED 209 & 210). Hours of operation are posted at lakelandcollege.edu/fitness-center.

FRISBEE GOLF COURSE

The college hosts a frisbee golf course for students and community members to enjoy. The 9-hole course covers 2,558 feet with hole distances ranging from 300-400 feet.

CROSS COUNTRY RUNNING TRAIL

A cross country 5K course is marked on campus for area high school cross country teams and community members to enjoy.

THE HONORS EXPERIENCE

The Honors Experience is a program designed by Lake Land College to provide honors students with an excellent academic experience. While it is not required to participate in all three areas, it is recommended.

Honors Experience student benefits:

- May receive scholarship aid.
- May be recognized for state and national scholarship opportunities.
- Will carry honors designation on their transcripts for when specific criteria are met.
- May participate in educational field trips, social activities and special events.
- Receive honors recognition at the graduation ceremony.

Students who apply for the Honors Experience must meet the following requirements:

- Plan to pursue an associate degree or certificate at Lake Land College.
- Meet one of the following: a.) graduate in the top 15 percent of their high school class, b.) have an ACT composite score of 26 or higher or c.) have an SAT total score of 1230 or higher.
- OR
- Have a GPA of 3.25 or higher after the completion of at least 12 semester hours of college-level coursework and be enrolled in an associate degree program or complete 6 semester hours toward a certificate at Lake Land College.
- Once admitted to the Honors Experience, students must maintain a Lake Land College GPA of 3.25 or higher.

THE HONORS EXPERIENCE CONSISTS OF:

PRESIDENTIAL SCHOLARSHIP PROGRAM

The Presidential Scholarship is available to all eligible in-district high school graduates who have demonstrated outstanding academic performance. The scholarship covers the full cost of tuition for up to two academic years.

Requirements:

- Graduate of an in-district high school or high school serving a portion of the district.
- Meet one of the following criteria:
  - Rank in the top 15 percent of your high school senior class;

  OR
  - Have an ACT composite score of 26 or higher or an SAT total score of 1230 or higher.
- Submit Presidential Scholarship acceptance form.
- Enroll at Lake Land College full time the fall semester immediately following high school graduation.

PHI THETA KAPPA

Phi Theta Kappa (PTK) is an international honorary society for the two-year college that concentrates on scholarship, leadership, service, and fellowship. Eligible students will receive an invitation from the National PTK organization. Once joining the national organization, students are encouraged to take part in the local Lake Land College PTK chapter, Alpha Theta Psi.

Students must complete the following program requirements in order to graduate as a Phi Theta Kappa student:

- Meet the Honors Experience program requirements.
- Compete two semesters of the Lake Land College PTK chapter membership.

HONORS PROGRAM COURSES

The Lake Land College Honors Program provides outstanding college students with honors-level coursework, honors independent studies, and other enriched learning opportunities. These opportunities allow students to address important topics, engage in critical thinking, and learn cutting-edge techniques in their fields. Students who complete the honors program are recognized at the commencement ceremony and earn honors designations on their transcripts. Honors courses provide an enriched learning experience that can lead to opportunities for distinctions like Honors Student of the Year.

The Honors Courses have many advantages including interacting with other academically talented students. In addition to enriched learning opportunities, students must complete the following program requirements in order to graduate as an Honors Program student:

- Meet the Honors Experience program requirements.
- Complete four honors courses for full status graduation. Complete two honors courses for associate status.
- No more than two honors courses may be completed each semester.

Graduating with full honors status or associate honors status is tentative and based upon final cumulative GPA for courses taken at Lake Land College.

For more information about the Honors Experience, contact ptk@lakelandcollege.edu, call 217-234-5044 or visit lakelandcollege.edu/honors-program.

IN THIS CHAPTER:

- ADULT EDUCATION
- CBI
- CDL
- COMMUNITY LEARNING
- EXTENSION CENTERS
- LAKER CONNECT/ DUAL CREDIT
- REGISTERED APPRENTICESHIPS
- SHARING A JOB OPENING
- TRIO
- WORKFORCE DEVELOPMENT

SERVING THE COMMUNITY & WORKFORCE

COMMERCIAL TRUCK DRIVER TRAINING

The Commercial Truck Driving training programs provide an opportunity for individuals of all experience levels to earn a CDL, refresh their driving skills and become safer drivers.

Lake Land College offers Class A or B CDL courses for new drivers looking to obtain a CDL, refresher courses for current and past CDL holders, online HAZMAT, tanker, doubles/triples endorsement and CDL permit training and customized training for companies seeking to train current employees.

The CDL program has partnered with multiple local, regional and over-the-road truck driving companies that will pre-hire students, providing students with multiple career opportunities.

Training is conducted at the Lake Land College Workforce Development Center, 5001 Lake Land Boulevard, Mattoon, Illinois or 224 S. Sixth Street, Marshall, Illinois. For more information about the program, job opportunities and payment options, contact the program coordinator at 1-800-789-1282 or 217-238-8239.

CENTER FOR BUSINESS & INDUSTRY

The Center for Business & Industry plays a leading role in providing customized employee training and development services to regional employers. Our team brings many years of knowledge and business experience to our new, state-of-the-art Workforce Development Center. Training delivery is also available on-site at your location. Whichever location you choose, CBI is equipped to meet the immediate and future training needs of your business.

Our services include:

- Comprehensive Leadership Development Programs
- Organizational and Workforce Development
- Continuous Improvement & Quality Systems
- Federally Certified and Private Apprenticeship Programs
- Employee/Candidate Assessments
- Mandated Safety and Compliance Training
- Consulting/Strategic Planning Services

The Center for Business & Industry operates the region's only dedicated Technical Training Center. This fully-equipped, mobile lab offers hands-on training in a variety of topics, including:

- Mechanical Skills
- Welding, Cutting & Brazing
- Fluid Power (Hydraulics & Pneumatics)
- Industrial Electricity
- Motors & Electronic Drives
- Programmable Logic Controllers & Human Machine Interface
- Robotics & Material Handling
- CNC Machining & 3D Printing
- Process Troubleshooting

The Center for Business & Industry is located in the Workforce Development Center, 5001 Lake Land Boulevard, Mattoon. For more information, call 217-235-1282 or 217-238-8260.

POWERED INDUSTRIAL TRUCK PROGRAM

The Center for Business and Industry offers a variety of training programs for powered industrial trucks/forklifts.

The 8-hour Basic Forklift Course is designed for students seeking a career in entry level powered industrial truck operation. The 8-hour Advanced Forklift Course is designed to take basic operators to the next level of Powered Industrial Truck operation and focuses on attachments and loading/unloading semi-trailers.

There is also a 4-hour refresher course available for students who have expired licenses, who have remedial needs or who are recommended for additional training.

EARNING COLLEGE CREDIT

Several of the Center for Business and Industry courses are now available for a student to earn college credit on an official academic transcript. This provides students with the opportunity to jump start a certificate or degree program in a variety of fields such as manufacturing, technology and industrial maintenance. Students are encouraged to contact the Center for Business and Industry to see how they can continue in their educational journey by calling 217-238-8260 or emailing bmoore71258@lakelandcollege.edu.

REGISTERED APPRENTICESHIPS

Registered Apprenticeships are a workforce model strategy that helps individuals connect to a career pathway for many different occupations. Apprenticeships combine on-the-job learning with related classroom instruction that increases an apprentice's skill level and wages.

The Center for Business and Industry currently offers a variety of registered apprenticeship programs. For more information, call 217-238-8260.

COMMUNITY LEARNING

Community Learning is dedicated to setting your vision in motion, with cost effective education. Visit learn.lakelandcollege.edu. Contact Community Learning at conted@lakelandcollege.edu or 217-234-5087.

CONTINUING PROFESSIONAL DEVELOPMENT

Lake Land College is licensed to provide continuing education units for a variety of professionals including educators, massage therapists, dental hygienists and assistants, cosmetologists, estheticians, nail technicians, and nurses. Visit lakelandcollege.edu/learn for a current listing of seminars. Contact Professional Development at conted@lakelandcollege.edu or 217-234-5087.

COMMUNITY LEARNING

Lake Land College offers many special interest courses and trips that are not part of the regular academic degree programs. Anyone may enroll in these courses according to their own interests. These online courses are offered in numerous areas including: health and wellness, computer skills, personal enrichment, engaging generations, finances and money, photography, recreation leisure and exercise, renewable energy, test preparation, creative arts and culinary and home.

Community Learning courses are listed on the website. These courses vary in length from one class meeting to several. Visit the website at learn.lakelandcollege.edu for listings or contact Community Learning at conted@lakelandcollege.edu or 217-234-5087.

SUMMER COLLEGE FOR YOUTH

Summer College for Youth is a community education program for children kindergarten to high school. The programs are designed to provide fresh subject matter, challenging ideas and a positive experience for children.

The subject areas vary each summer in the topics of arts and crafts, food and fun, discover and learn, musical notes, trips and tours, engaging generations, science adventures, sports and recreation and test preparation.

The classes usually meet in the morning or afternoon, Monday through Thursday, for varying weeks during the months of June, July and August.

Visit the website or contact Community Learning at conted@lakelandcollege.edu or 217-234-5087.

TRAFFIC SAFETY PROGRAM

Lake Land College Traffic Safety offers Defensive Driving Courses for individuals who have received a traffic citation in Coles, Cumberland, Effingham, Moultrie Marion or Shelby counties. This DDC-10 course is a four-hour course developed by the National Safety Council. It covers such topics as driving conditions, unsafe behaviors and aggressive driving. It is offered in Effingham and Mattoon. DDC-10 is also available online for an additional fee. If you have received a traffic citation in a county other than Coles, Cumberland, Effingham, Fayette, Moultrie or Shelby you may still be eligible to enroll.

The Lake Land College Traffic Safety Program also offers the Graduate to Safety Driver Remedial Education Course. Graduate to Safety is a five-hour driver remedial education course for drivers 16-21 years old who have had their license suspended by the Illinois Secretary of State. Participation is required as a condition of license reinstatement. The course is offered in Mattoon. Advanced registration is required and all fees are due at the time of registration. Registration will not be complete until payment has been received. Courses fill on a first come, first served basis and seating is limited.

Visit the website at lakelandcollege.edu/cbi-center-for-business-and-industry/traffic-safety/ or contact Traffic Safety at trafficsafetyprogram@lakelandcollege.edu or 217-238-8258.

SHARING A JOB OPENING

The Career Readiness Center facilitates connections between job seekers and employers, including internship opportunities. Area employment opportunities are shared through the department's social media on Facebook and Twitter and through Lake Land's LinkedIn page. The Career Readiness Center also hosts multiple job fairs each year and facilitates on-campus recruitment and interview opportunities. Connect with The Career Readiness Center at 217-234-5288 or careerservices@lakelandcollege.edu.

DISTANCE LEARNING

Distance Learning classes are taught on a two-way full motion interactive video and audio system. The classrooms are equipped with state of the art equipment, providing the instructor and students with the best sound and picture quality. In addition to instruction, the system can connect two or more sites for video meetings and staff development activities.

LAKER CONNECT DUAL CREDIT PROGRAM

Dual credit allows high school students to earn both high school and college credit simultaneously, giving them an affordable and accessible head start on their education. Lake Land College's dual credit program, Laker Connect, emphasizes intentional course selection, clear academic pathways, and strong collaboration with high school partners to ensure that students take classes that meaningfully support their future goals. In addition, a dedicated Laker Connect academic counselor is available to help students develop individualized college plans that include thoughtful dual credit course choices aligned with their intended programs of study. Through improved communication, expanded guidance for counselors and instructors, reduced cost, and additional resources that help families understand their options, Laker Connect strengthens the dual credit experience by breaking down barriers, providing accurate information, and helping students make confident, well-informed decisions about their future.

Dual credit courses are reserved for high school students who are junior or senior status, have obtained permission to enroll in college-level courses from their high school, and have a high school GPA of "C" or better. Students enroll in dual credit courses through the dual credit coordinator at their high school. Students enrolling in math or English courses are required to take a placement test or submit SAT/ACT scores to Lake Land College prior to the start of the class.

TRIO DESTINATION COLLEGE

TRIO Destination College identifies and assists individuals in targeted middle and high schools who have the potential to succeed in higher education and demonstrate a need for support. The program provides support to its participants to encourage them to graduate from high school and complete a higher education program of their choice.

Destination College annually serves approximately 600 participants in the 6th to 12th grades of 18 area schools.

Destination College participants have the opportunity to take advantage of the following services:

- Career Exploration – research careers and career site trips.
- Life & Study Skills – test taking strategies, time management and employment skills.
- Connections to Tutoring – connections to or provisions of individual or group tutoring.
- Parental Education – workshops and information provided to parents.
- Academic Advisement – guide students to completing high school course work in preparation for college admission.
- Mentoring – social emotional guidance and support.
- Pre-college Advisement and Application Assistance – guidance in researching college options, assistance in completing college applications.
- College Visits – students travel to various postsecondary institutions in Illinois and surrounding states.
- Financial Literacy and Financial Aid Assistance – information on the financial aid process and scholarships, assistance completing the Free Application for Federal Student Aid (FAFSA), scholarship research.
- STEM Opportunities – guided activities and experiences in the areas of science, technology, engineering and math.

Students who may benefit from TRIO Destination College may find an application at www.lakelandcollege.edu/triodc.

For more information, phone 217-234-5456, email: triodc@lakelandcollege.edu. TRIO Destination college is fully funded by a US Department of Education grant and hosted by Lake Land College.

ADULT EDUCATION

Lake Land College's Adult Education program provides classes and resources at no cost to students age 17 and older who would like to earn a high school equivalency (HSE) through the GED program, improve their English language skills through ESL classes, or complete college-level coursework through our ICAPS programming.

Students may attend GED preparation classes at the Workforce Development Center, the Effingham Technology Center, Eastern Region Center in Marshall, as well as sites in Arthur, Charleston, Paris, Shelbyville and Sullivan. There is no cost associated with the classes or resources, but students who are still enrolled in high school must separate from their high school to enroll in GED courses. Many adult students find that earning an HSE diploma is the first step in preparation for returning to school or entering the job market. Each year, Lake Land College's Adult Education program celebrates its graduates in a graduation ceremony, complete with caps and gowns.

For individuals who are non-native English speakers, Adult Education offers introductory English language courses (also known as ESL) with an emphasis on skills needed to function in American society. There is no cost associated with the classes or resources. Classes are offered at the Effingham Technology Center, Workforce Development Center on campus, Eastern Region Center in Marshall, and the Newman Catholic Center in Charleston and in collaboration with area businesses. Students are immersed in English reading, writing and speaking activities from beginning through advanced levels. They are assessed upon entrance into the program and are matched to a corresponding level within the Cambridge Ventures Series, a standards-based, integrated-skills series that helps students achieve their academic and career goals.

Through our ICAPS programs, students can complete college courses for free to those who qualify. Our current ICAPS programming includes basic nursing assisting (preparation for the CNA test) and welding, and we are planning auto tech programming in 2024. The ICAPS programs provides

a no-cost way many students need to get started on a college degree or to restart in the workforce with a job they love while earning a better salary. ICAPS students also participate in resume building and job-skills practice, which help them gain better employment.

For more information on Adult Education course offerings or locations, please contact Adult Education at 217-238-8292 adulteducation@lakelandcollege.edu.

EXTENSION CENTERS

Lake Land College's two extension centers allow students to take classes in their own communities.

EASTERN REGION CENTER AT THE FORSYTHE CENTER, MARSHALL

Located in Marshall, the Eastern Region Center at the Forsythe Center offers area residents a variety of general education, welding and technical career courses, as well as business and industry training.

The 8,000-square-foot facility hosts a spacious multipurpose vocational skills lab and classroom, two traditional classrooms, a computer lab and a computer resource area for the community. In addition, area high school dual credit automotive and small engines classes meet at the Center.

Located at 224 S. Sixth St., in Marshall, the facility is available for businesses and community organizations to use for meetings or training opportunities. For more information call 217-826-8490.

EFFINGHAM TECHNOLOGY CENTER, EFFINGHAM

The Lake Land College Effingham Technology Center is a 100,000-square-foot innovative, modern center that anchors the College's service to the Effingham region. The center is located at 1201 Althoff Drive in Effingham.

In addition to Lake Land College's premiere Allied Health programs, general education classes and Adult Education opportunities, the facility is home to key business and educational partnerships.

Students can complete programs in Nursing, Massage Therapy, Physical Therapist Assistant in the state-of-the art facility. General education and science classes are also offered at the center. The Student Success Center offers free tutoring and test proctoring on site, while Student Life plans free activities and events for students. High School Equivalency/GED and English as a Second Language courses are also offered at this regional site.

Lake Land hosts three partners at the center: the CORE ACADEMY, Creating Opportunities for Regional Employment, the Effingham-based career academy for high school students; Patterson Companies; and the Small Business Development Center at Eastern Illinois University Lumpkin College of Business.

To schedule a community meeting or training, contact the Director of Effingham and Regional Education Centers at 217-540-3555 or email jtkachuk@lakelandcollege.edu.

COURSE DESCRIPTIONS

COURSE NUMBERING SYSTEM

The following is a list of courses to be offered at Lake Land College. Courses are listed in alphabetic order by course prefix and catalog number. Departments or areas are listed in alphabetical order with the department or area number indicated in parenthesis. *Numbers represent the following courses:*

001 to 009	Developmental Courses
010 to 039	General Studies Courses
040 to 075	Freshman Vocational and Technical Courses
076 to 099	Sophomore Vocational and Technical Courses
100 to 199	Freshman College Transfer Courses
200 to 299	Sophomore College Transfer Courses

Any exceptions to the numbering system will be noted in the specific curriculum description and at the beginning of the course descriptions for that particular program.

Most courses below 040 do not qualify for Federal Title IV or Illinois Monetary Award (MAP). Contact the Financial Aid office for specific details.

Courses which could come under more than one program are placed in the highest-numbered category possible. Many technical courses are as rigorous as college transfer courses and cover material which parallels a college transfer course offered at four-year colleges and/or universities. It is anticipated that when students who have technical courses listed on their transcripts matriculate to a four-year college or university, personnel in that institution will check the course title and course description and allow the student college transfer credit for such courses if they are parallel. Lake Land College will furnish information regarding specific technical courses when and if needed to verify that the courses are parallel.

The number of semester hours credit is indicated for each course. Courses which require laboratory meetings have the number of class periods and number of laboratory periods indicated under the course title. The time schedule should be checked for the days and times when classes meet.

DEPARTMENTS OR AREAS OF STUDY

Courses are offered in the following departments or areas of study. Each department or area of study has been assigned a prefix.

Department/Area of Study	Prefixes
Adult Education – ABE/GED	AED
Adult Education – ABB/GED	AED
Agriculture	AGR
Allied Health	AHE
Anthropology	ANT
Applied Engineering Tech	AET
Applied Engineering Tech CBE	AETC
Applied Technology	APT
Applied Technology CBE	APTC
Art	ART
Associate Degree Nursing	ADN
Automotive Technology	AUT
Bio-science	BIO
Building Construction Technology	BCT
Business	BUS
Center for Business and Industry	CBI & MBI
Chemistry	CHM
Civil Engineering Technology	CET
Commercial Drivers License	CDL
Communications	COM
Computer-Aided Drafting	CAD
Computer-Aided Drafting	CADC
Computer Information Systems	CIS
Computer Integrated Manufacturing	CIM
Cosmetology	COS
Court Reporting	CRT
Criminal Justice	CJS
Criminology Security Studies	CSS
Dental Hygiene	DHY
Early Childhood Education	ECE
Earth Science	ESC
Economics	ECO
Education	EDU
Electronics Engineering Technology	EET
Electronics Engineering Technology CBE	EETC
Emergency Medical Services	EMS/EMT
English	ENG
English As a Second Language	ESL
Esthetics	EST
Fire Science Technology	FST
Foreign Language	FLG
Geography	GEO
Geospatial Information Systems	GIS
Health Education	HED
Heating, Ventilation, A/C and Refrig. Technology	HVC
History	HIS
Horticulture	HRT
Human Services	HSP
Humanities	HUM
Independent Study	INS
Industrial Maintenance	IND
Industrial Maintenance CBE	INDC
Industrial Maintenance Worker	INW
Information Technology Training	ITT
Intensive English Language	IEL
John Deere Tech	JDA
Law Enforcement	CJS
Literature	LIT
Machine Tool Technology	MTT
Machine Tool Technology	MTTC
Massage Therapy	MAS
Mathematics	MAT
Mechanical Electrical Technology	MET
Medical Assistant	MAP
Medical Coding Specialist	MCS
Military Science	MSL
Music	MUS
Philosophy	PHI
Physical Education	PED
Physics	PHY
Physical Therapist Assistant	PTA
Plastics Manufacturing	PLM
Political Science	POS
Powered Industrial Truck	PIT
Practical Nursing	PNC
Print Technology	PMT
Production Line Worker	PLW
Programmable Logic Controllers	PLC
Programmable Logic Controllers CBE	PLCC
Psychology	PSY
Reading	RDG
Service Learning	SLN
Social Science	SOS
Sociology	SOC
Strategies for Success	SFS
Study Abroad	STA
Surgical Tech	SRT
Technology	TEC
Technology	TECC
Tutoring and Testing	TUT
Welding	WLD
Welding CBE	WLDC

COURSE FEES

Some courses require payment of a course fee. Course fee levels are listed below while specific course fee levels are listed with the course description. Course fee levels are subject to change.

Level 1 ♦ Fees start at $30

Applied to courses using limited equipment and/or supplies with equipment not rapidly becoming obsolete.

Level 2 ♦ Fees start at $60

Applied to most courses using computers or other highly specialized equipment in a rapidly changing technology and courses using large amounts of supplies.

Level 3 ♦ Fees start at $90

Applied to courses requiring very expensive equipment or very high usage of supplies.

Level 4 ♦ Fees start at $100+

Applied to courses requiring very expensive equipment and very high usage of supplies, rental of facilities and equipment, great distances traveled to visit S.O.E. students, etc.

*** Courses with this symbol are repeatable.**
See page 237 for more information.

ADULT BASIC EDUCATION (ABB---)

ABB 001*
Evidence Based Reading I

Individual reading and comprehension of novels and other reading materials to develop reading and vocabulary skills. Helps to develop speaking and listening skills. (Grade Level 3-9). (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/3 credits, 3 Lecture)

ABB 004*
Evidence Based Reading II

This course is designed to instruct students in reading and comprehension of various materials to develop/improve reading and vocabulary skills. The instruction will also help develop the students' speaking and listening skills. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/6 credits, 6 Lecture)

ADULT BASIC EDUCATION (ABE---)

ABE 005*
Vocational Math I

Students will master the basics of mathematics: addition, subtraction, multiplication and division. An introduction to the concepts of decimals, fractions and percents will follow. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/3 credits, 3 Lecture)

ABE 006*
Vocational Math II

An in-depth continuation of Vocational Math I, students will master the concepts of percents, decimals and fractions as they may apply to everyday life. (Grade Level 4.0-8.9) (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/3 credits, 3 Lecture)

ADULT EDUCATION (AED---)

AED 006*
ABE Skills Dev VI

This course is continued instruction to develop basic skills in reading, writing and math. It is designed for students who do not have the skills necessary for pre-GED and GED classes. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/6 credits, 6 Lecture)

AED 007*
ABE Intermediate Level

This course is designed for adults to develop basic skills in reading, writing and math. It is recommended for students who do not have the skills necessary for high school equivalency certificate classes. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/6 credits, 6 Lecture)

AED 008*
Gen Educ Devel I

This course is designed to develop basic skills in reading, social studies, science, mathematics, writing and the constitution necessary to complete the high school equivalency examination successfully. The course provides instruction in locating/completing job leads and interviewing. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/6 credits, 6 Lecture)

AED 010*
Adult Basic Healthcare Bridge

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 011*
Adult Secondary Healthcare Bridge

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits 2 Lecture)

AED 012*
Adult Basic Manufacturing Bridge

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 013*
Adult Secondary Mfg Bridge

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 015*
AB Transport, Dist., Logistics

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 016*
Adult Secondary Transport Dist Logistic

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education or a career. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 018
Education Bridge

This course is designed to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education, a career or an ICAPS program in the education field. (Pass/Fail Course)

(Variable Credit 0.5/2 credits, 2 Lecture)

AED 019
Adult Secondary ICAPS Success

Corequisite: Adult Education ICAPS program

Designed for adults to develop intermediate skills in reading, writing and math. (Pass/Fail Course) (Repeatable 3 Times)

(Variable Credit 0.5/3 credits, 3 Lecture)

AED 022
Adult ICAPS Success

Corequisite: Adult Education ICAPS program

Designed for adults to develop basic skills in reading, writing and math. (Pass/Fail Course)

(Variable Credit 0.5/3 credits, 3 Lecture)

ADULT EDUCATION ORIENTATION (AWE---)

AWE 039*
Adult & Workforce Transitions

This course is designed for adult and workforce education students to provide them with an orientation to the educational setting. (Pass/Fail Course) (Repeatable 3 Times)

(0.5 credits, 0.5 Lecture)

AGRICULTURE (AGR---)

AGR 014
Agriculture Update

Study of current agricultural trends and techniques in the areas of agronomy, agribusiness, animal science and agricultural mechanization.

(1 credit, 1 Lecture)

AGR 019
Cert Crop Advisor Test Prep

This course is designed to prepare individuals to take the State and National Written Exams so they may be Certified Crop Advisor (CCA) Certified.

(1.5 credits, 1.5 Lecture)

AGR 040
Agricultural Mathematics

Applications of mathematics as it applies to the operation of grain and livestock farms, agriculture business and agriculture mechanization.

(3 credits, 3 Lecture)

AGR 041*
Supervised Occupational Exp I

On-the-job experience as a full-time employee in selected agriculture occupation. Must be in curriculum the degree is awarded. (Repeatable 3 Times)

Course Level Fee 3 (3.5 credits, 17.5 Work Based Learning)

AGR 042*
Supervised Occupational Exp II

AGR 043*

On-the-job experience as a full-time employee in selected agriculture occupation. Must be in curriculum the degree is awarded. (Repeatable 3 Times)

Course Level Fee 3 (2.5 credits, 12.5 Work Based Learning)

AGR 043*
Supervised Occupational Experience III

On-the-job experience as a full-time employee in selected agriculture occupation. Must be in curriculum the degree is awarded. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 15 Work Based Learning)

AGR 044*
Supervised Occupational Experience IV

On-the-job experience as a full-time employee in selected agriculture occupation. Must be in curriculum the degree is awarded. (Repeatable 3 Times)

Course Level Fee 3 (3.5 credits, 17.5 Work Based Learning)

AGR 045
Exploring Careers in Agriculture

This introductory course will inform and educate students on careers within the agriculture industry through the use of career pathway research and site exploration opportunities. Career interest evaluation and employability skills development are an integral component of the course.

Course Level Fee 2 (3.5 credits, 3 Lecture, 0.5 Work Based Learning)

AGR 046
Introduction to Agricultural Occupations

An introduction to the vast, complex business of agriculture, ways of doing business, guides for success of a person in the agricultural business of farm machinery technology and familiarizes the student with the preparation for agricultural production, business and mechanics jobs.

(1 credit, 1 Lecture)

AGR 049
OSHA/Ag Mach Safety

Provides an intensified study into agricultural machinery safety. Focuses on why agricultural machinery accidents happen, how they can be prevented and how to create a safe working environment. Visual aids are utilized to display effect.

(1 credit, 1 Lecture)

AGR 050
Soils

Planned learning activities and experiences designed to cover soil development, functions of soil minerals, soil types and their class. A major study of soil types in Illinois and Indiana and their conservation practices are included.

Course Level Fee 2 (3.5 credits, 3 Lecture, 1 Lab/Lab-Discussion)

AGR 051
Soil Fertility

Enables those involved with soils and crops to make intelligent and efficient use of fertilizer materials available.

(2.5 credits, 2.5 Lecture)

AGR 052
Principles of Crop Production

Designed to develop needed skills involved in production of the major field crops in central Illinois and Indiana. Plant growth, crop choice, tillage, planting and sowing for maximum yields are emphasized.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 053
Integrated Pest Management

Students will develop a working knowledge of agricultural chemicals as they relate to herbicides and insecticides. Students should have a working knowledge of calibration and maintenance of agricultural chemical equipment. Identification of major weed species and their control is emphasized.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 054
Crop Harvesting/Drying/Storage

Fundamentals of harvesting, drying and storage. Opportunities of various systems are explored through visits to different sites and systems.

Course Level Fee 1 (2.5 credits, 2 Lecture, 1 Lab/Lab-Discussion)

AGR 059
Ag Writing for Industry

Provides students a practical strategy for successful communication used within the agriculture industry. An extensive focus on effectively writing warranty claims within the various agriculture software platforms.

(3 credits, 3 Lecture)

AGR 060
Animal Husbandry

Prepares students with a basic understanding of livestock care, production and management from selection through breeding and marketing of beef and dairy cattle, swine and sheep. Emphasis is placed on confinement plans and new trends.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 061
Livestock Evaluation

Detailed study of beef cattle, dairy cattle, swine, sheep and horse selection. This laboratory-oriented course allows students to appraise livestock, viewing positive and negative selection points and pays particular attention to judging.

Course Level Fee 2 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

AGR 062
Advanced Livestock Evaluation

Provides an advanced study of beef, swine and sheep selection. Both live animal and performance record analysis will be incorporated, utilizing a combination of visual and genetic potential appraisal. Special emphasis will be placed on oral reasons.

Course Level Fee 2 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

AGR 063
Animal Nutrition

Covers fundamental principles of livestock nutrition with an understanding of the monogastric and ruminant digestive system, essential nutrients, feed ingredients, additives and balancing of rations. Private and commercial feed sales implications are included.

(2.5 credits, 2.5 Lecture)

AGR 064
Beef/Dairy Production Skills

Prepares students with the necessary skills required in modern cattle production, the different methods and tools used to perform these skills and a close inspection of handling facilities.

Course Level Fee 1 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

AGR 065
AI Management-Cattle

Provide a basic understanding of reproductive physiology and trains individuals to artificially inseminate beef or dairy cattle. Explains and gives hands-on experience in actual insemination producers.

Course Level Fee 4 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

AGR 066
Meat Science

Provides a basic understanding of meat classification and grading. Emphasis is placed on the live evaluation of beef, pork and lamb. Following harvest, the carcasses will be evaluated for consumer acceptability.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

AGR 067
Livestock Merchandising I

This course is a study in the planning and execution of a successful online livestock sale, including topics on the diverse options of merchandising purebred and commercial livestock.

Course Level Fee 1 (1.5 credits, 1.5 Lecture)

AGR 070
Swine Production Skills

Prepares students with the necessary skills required in modern swine production, the different methods and tools used to perform these skills, understanding herd health and making swine environmental decisions.

Course Level Fee 1 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

AGR 071
Swine Reproduction and A.I.

Trains individuals to understand reproductive physiology, semen collection and artificial insemination.

Course Level Fee 1 (1 credit, 1 Lecture)

AGR 078
Equine Care and Management

A survey of issues for the horse owner addressing basic equine care and management, including health, farrier science, nutrition, stable management, equine equipment and buying, selling, riding and training horses.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 079
Equine Training Techniques

Prerequisite: Previous Riding Experience

Focuses on the psychology and physiology involved in training and riding. Study includes progressive training schedules, motivation and response to rider cues. The course examines various equine training techniques and exercises.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

AGR 080
Ignition & Electrical Systems

Designed to develop a working knowledge of the concepts and components of farm power and machinery electrical systems. Discusses basic electrical principles of electromagnetism and use of electrical test meters, including the repair of ignition and charging systems.

Course Level Fee 1 (3.5 credits, 2 Lecture, 3 Lab/Lab-Discussion)

AGR 082
Advanced Electrical Systems

Prerequisite: AGR 080

Designed to increase knowledge in electrical systems. After completion of this course, students will be able to properly use service equipment to diagnose electronically controlled monitor systems and components on tractors and harvesting equipment.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 083
Small Engines

Designed to develop a working knowledge of types of gas engines, systems in a gas engine, components of systems, principles of operations, care, maintenance, repair, and adjustment of gas engines.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 086
Adjusting New and Used Mach

Designed to teach the basic fundamentals of the operating principles and adjustments of combines and bailers.

Course Level Fee 3 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

AGR 087
Diesel Fuel Systems

Prerequisite: AGR 083

Provide basic understanding of diesel engine fuel systems and operation. Students will learn diagnosis, removal of diesel pumps and injector repair.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 088
Ag Trans & Power Trains

Covers standard and automatic transmissions, their gears and gear ratios, application and use, service requirements, and adjustments in farm power equipment and machinery units.

Course Level Fee 3 (3.5 credits, 2 Lecture, 3 Lab/Lab-Discussion)

AGR 089
Tractor Overhaul

Prerequisite: AGR 083

Designed to develop students' skills necessary to successfully overhaul a gas, liquid propane or diesel farm equipment engine. Students will be able to accomplish disassembly and assembly procedures, measure parts for wear, engine overhaul and tune-up and break-in procedures.

Course Level Fee 3 (6 credits, 3 Lecture, 6 Lab/Lab-Discussion)

AGR 090
Principles of Agri Mechanics

Covers the fundamentals of basic preventive maintenance for tractors and familiarizes the student with setting and adjusting sprayers, tillage equipment, planters and combines.

Course Level Fee 2 (2.5 credits, 2 Lecture, 1 Lab/Lab-Discussion)

AGR 091
Hydraulics

Covers theory and principles involved in hydraulics and their application to the mechanization and maintenance of farm power machinery.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 092
Advanced Hydraulics

Prerequisite: AGR 091

Provides an in-depth study of hydraulics and its functions in mechanization. This course looks specifically at John Deere, Case-IH, Deutz-Allis and Ford systems. Emphasis will be placed on theory of operation, diagnosis and repair of machinery manufacturers' equipment.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 094
Ag Machinery Air Conditioning

Focuses on the theory of air conditioning, diagnosis of problems and the safe handling of air conditioning material. Extensive hands-on is provided for diagnosis, service procedures and agricultural air conditioning component repair. Equipment that will be covered will be two and four-wheel drive tractors, combines and fertilizer applicator trucks.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 095
Agriculture Institute I

Designed for elementary and secondary teachers to provide for an essential background in the agriculture industries. The course focuses on the development of lesson plans to meet required learning standards and implementation within curricula.

(2 credits, 2 Lecture)

AGR 096
Agriculture Institute II

An extension of Ag Institute I, it is once again designed for elementary and secondary teachers. This course focuses intensively on the impact of agriculture industries and new technologies on society. Lesson plans and methods for delivering information will be discussed.

(2 credits, 2 Lecture)

AGR 097
Planting and Tillage Equipment

Covers the theory and principles of operation, set-up and adjustment, troubleshooting and repair of major brands of planters, drills, field cultivators and primary tillage equipment.

Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

AGR 098*
Agriculture Institute III

An extension of Ag Institutes I & II this course focuses intensively on the impact of urban agriculture and its industries, agriculture communications, and alternative energy. Lesson plans and implementation within curricula will be discussed. (Repeatable 2 Times)

(2 credits, 2 Lecture)

AGR 111
Intro to Agriculture Software

Use of computers in farm and agri-business management with emphasis on commercially available software for accounting, budgeting, record keeping and market analysis.

Course Level Fee 2 (2 credits, 2 Lecture)

AGR 112
Computer Applic/Agriculture
IAI AG 913

Covers the effective use of keyboard, manipulating agriculture files, using word processors, spreadsheets, database and presentation software and discovering available agriculture software for accounting, budgeting, record keeping and market analysis.

Course Level Fee 2 (3 credits, 3 Lecture)

AGR 120
Agriculture Economics

An introduction to basic economic concepts of the agricultural sector with emphasis on costs, revenue, price determination, supply and demand and farm policy.

(3 credits, 3 Lecture)

AGR 121
Farm Business Records

An introduction into basic farm record keeping. Prepares students to compile records associated with specific farm enterprises. Record analysis is emphasized for farm efficiency measures.

(2.5 credits, 2.5 Lecture)

AGR 122
Farm Management

Economics principles applied directly to the organization and operation of Midwest farms are discussed. Management effectiveness in cropping and livestock systems and resource utilization for maximum profit are stressed.

(2.5 credits, 2.5 Lecture)

AGR 123
Marketing of Ag Products

An introductory course covering farm marketing strategies, futures markets, cash markets for livestock and grain and general problems in pricing major agricultural commodities.

(2.5 credits, 2.5 Lecture)

AGR 124
Farm Credit and Finance

An introduction to financing statements, capital and credit needs of farmers, sources of credit and problems of borrowers and lenders.

(2 credits, 2 Lecture)

AGR 131
Agriculture Business Financing
Covers the use, sources, and methods of obtaining credit as it applies to farming and the farm supply business.
(2 credits, 2 Lecture)

AGR 132
Retailing/Agri Supplies
Covers the practical application of retailing as it affects farm business supplies by divisions merchandising, sales, promotion, personnel control and operation.
(2 credits, 2 Lecture)

AGR 133
Agriculture Salesmanship
Covers basic principles underlying the sales process in agricultural farm supply and practical application and development of sales techniques. Basic to the course is an understanding of the salesperson's obligation to self, the company and the customer.
(2.5 credits, 2.5 Lecture)

AGR 134
Business Analysis/Records
An analytical approach to financial statements and records of agricultural business, implications and decisions made on the basis of these records.
(2 credits, 2 Lecture)

AGR 141
Introduction to Agroecology
This course introduces ecological principles as they relate to agriculture and includes sustainable food production systems and concepts of agroecology. Also emphasized is discussion of population ecology and plant demographics, as well as the conversion from conventional to alternative production.
(3 credits, 3 Lecture)

AGR 143
Organic Crop Production
Organic crop production will explore the history, production, harvesting, storage and marketing of products. State and federal laws as they relate to organic crop production will also be discussed.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 145
Biological Pest Management
Biology of pest management will discuss the pest concerns of an organic production system. The discussion will include identification, prevention and approved control measures within an organic system.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 151
GPS/Applications in Ag
This class is designed to provide students the opportunity to become familiar with global positioning systems as they relate to agriculture and develop a working knowledge of variable rate systems.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 152
Intensive Crop Scouting
Scouting skills are taught with emphasis on insects and plant diseases. Life cycles, prevention and control measures are discussed.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AGR 154
CDL Training
This class will prepare students to take the CDL drivers license exam. Rules and regulations including the performing of safety checks will be covered.
(2 credits, 2 Lecture)

AGR 174*
Agriculture Institute IV
An extension of Ag Institutes I, II & III this course focuses intensively on renewable energy and the impact on agriculture and the growing energy needs of our society. Lesson plans and implementation within curricula will be discussed. (Repeatable 3 Times)
(2 credits, 2 Lecture)

AGR 201
Intro/Agriculture Education
IAI AG 911
An introduction to Agricultural Education programs including: delivery systems and policies, teaching in school and non-school settings, types of Agricultural Education, program components, approaches to teaching, teacher characteristics, community relationships, educational change and innovation, trends and developments in Agricultural Education.
(3 credits, 3 Lecture)

AGR 204
Prin/Field Crop Science
IAI AG 903
Designed to develop a working and scientific knowledge of modern crop production as a germination, growth, reproduction, tillage and weed control of agricultural field crops. Emphasis is also placed on fertility, diseases and insects.
Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

AGR 205
Introduction to Soil Science
IAI AG 904
Application of the basics in the physical, chemical and biological aspects in soils. Soils of Illinois and Indiana are emphasized along with concepts of fertility, conservation and field descriptions.
Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

AGR 206
Introduction to Animal Science
IAI AG 902
Focuses on a study of beef, swine, sheep, poultry and horses and the scientific factors affecting nutrition, selection and genetics, products, environment and physiology.
Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

AGR 207
Intro/Ag Economics
IAI AG 901
Principles of economics applied to problems in agriculture, marketing of agricultural products, agricultural policy and the role of agriculture in the U.S. and world economies.
(4 credits, 4 Lecture)

AGR 208
Intro/Ag Mechanization
IAI AG 906
Study of problems and laboratory exercises pointing to present and potential engineering applications in agriculture are presented.
Emphasis is placed on farm power and machinery, soil and water control, electricity and structures.
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

ALLIED HEALTH (AHE---)

AHE 035
Allied Health Support
Designed to improve student performance in allied health programs. Topics include: learning styles and tips, critical thinking/clinical judgment and test-taking strategies, normal and abnormal assessment findings, skill review sessions, medical terminology, medical math calculations, pathophysiology of common medical conditions and pharmacology.
(1 credit, 1 Lecture)

AHE 040
Basic Nurse Assisting
Corequisite: Must take concurrently with AHE 040C clinical course and AHE 040L lab course and pass all courses during the same semester.
This course is approved by the Illinois Department of Public Health (IDPH) to provide instruction in basic nursing skills in the classroom, laboratory and clinical settings. Students who successfully complete the course will be eligible to take the State of Illinois certified nursing assistant (CNA) examination.
Course Level Fee 3 (4.5 credits, 4.5 Lecture)

AHE 040C
Basic Nurse Assisting-Clinical
Corequisite: Must take concurrently with AHE 040 lecture course and AHE 040L lab course and pass all courses during the same semester.
This course is approved by the Illinois Department of Public Health (IDPH) to provide instruction in basic nursing skills in clinical settings. Students who successfully complete the course will be eligible to take the State of Illinois certified nursing exam (CNA).
(1 credit, 3 Clinical Hours)

AHE 040L
Basic Nurse Assisting-Lab
Corequisite: Must take concurrently with AHE 040 lecture course and AHE 040C clinical course and pass all courses during the same semester.
This Illinois Department of Public Health (IDPH)-approved course provides laboratory instruction in basic nursing skills. Students who successfully complete the course will be

eligible to take the State of Illinois certified nursing assistant (CNA) examination.

Course Level Fee 3 (1 credit, 2 Lab/Lab-Discussion)

AHE 041
Medical Terminology

This course focuses on basic vocabulary used in medicine, nursing and allied health occupations.

(3 credits, 3 Lecture)

AHE 042
Advanced Medical Terminology

Prerequisite: AHE 041 or consent of instructor

This course builds and enlarges on basic medical vocabulary used in medicine, nursing and allied health occupations.

(3 credits, 3 Lecture)

AHE 044
Pathophysiology

This course provides basic concepts of both structural and functional changes caused by disease in tissues and organs as a basis for understanding clinical manifestations and principles of treatment.

Course Level Fee 2 (3 credits, 3 Lecture)

AHE 045*
Professionalism in Health Care

This course provides students with the skills essential in developing and strengthening professional traits and behaviors. This course will advance students' understanding of professional, ethical and legal aspects as they apply in the healthcare setting. (Repeatable 1 Time)

Course Level Fee 2 (2 credits, 2 Lecture)

AHE 047
Phlebotomy Techniques

This course prepares students for the role of a phlebotomist including all aspects of specimen collection and processing while maintaining high standards of professionalism.

(4 credits, 4 Lecture)

AHE 048
Phlebotomy Practicum

Prerequisite: AHE 047

This course provides intense clinical training in a patient care environment to achieve the skills required to become a competent and professional phlebotomist.

Course Level Fee 4 (2 credits, 10 Work Based Learning)

AHE 051*
Health Science Careers

This course will explore in-depth, health career pathways, educational and aptitude requirements and occupational opportunities needed by health care workers. (Repeatable 1 Time)

(3 credits, 3 Lecture)

AHE 055
Math for Meds

This course will prepare the student to perform drug calculations safely and accurately. Students will be introduced to the identification and administration of oral and parenteral medications.

(2 credits, 2 Lecture)

AHE 057
Pharmacology for Coders

This course provides an overview of pharmacology and assists the medical coder to recognize medication forms; identify administration routes and therapeutic uses; read the prescription; identify medication categories, generic names and trade names; and associate drugs with clinical applications.

Course Level Fee 2 (3 credits, 3 Lecture)

AHE 058
Central Service Tech Exam Review

This course will cover specific areas of knowledge necessary to perform the duties of a Central Service Technician. Completers of this course will be prepared to take the Certified Registered Central Service Technician exam.

Course Level Fee 4 (3 credits, 3 Lecture)

AHE 059
Central Service Tech Practicum

Prerequisite: May be taken concurrently or separately from AHE 058

Students enrolled in this course complete a minimum of 400 hours to meet eligibility requirements to take the Central Service Technician Certification Exam.

Course Level Fee 4 (4 credits, 20 Work Based Learning)

AHE 060
A&P for Allied Health

This course provides a comprehensive study of anatomy and physiology beginning at the cellular level. Concepts of nutrition, disease prevention, promotion, maintenance, restoration, diagnostic testing, and medical terminology is included. Students who complete this course will be waived from PNC 049.

Course Level Fee 3 (6 credits, 6 Lecture)

ANTHROPOLOGY (ANT---)

ANT 200
General Anthropology

IAI S1 900N

The course provides an introduction to cultural and physical anthropology. Human and animal behavior is studied by using the comparative method. Some of the topics covered are: religion, magic, kinship, sex roles, human evolution, race, archeology and primates.

(3 credits, 3 Lecture)

ANT 220
Cultural Anthropology

Cultural Anthropology explores a diverse set of meaningful social practices and ideas, from inclusive and adaptive aspects to exclusionary and hierarchical domains. Topics covered include globalization, political systems, economics and language as used by people in the past and present.

(3 credits, 3 Lecture)

APPLIED ENGINEERING TECH (AET---)

AET 040
Electrical Systems I

How to read schematics; connect and operate electrical circuits; use a digital multimeter; use resistors, capacitors and inductors in series and parallel circuits as well as electrical safety are covered. (Meets SACA Automation Specialist I C-201 Electrical Systems 1 credential.)

Course Level Fee 3 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

AET 041
Pneumatic Systems I

Topics covered are pneumatic safety, connection and adjustment of supply lines and pneumatic circuits, air compressor starting, pneumatic schematics, adjusted flow, monitoring performance and system operations and basic servicing. (Meets SACA Automation Specialist I C-209 Pneumatic Systems 1 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

AET 042
Mechanical Power Systems I

Students will identify mechanical power transmission types; safely install motors, shaft keys and hubs; install and align pillow blocks, bearings, V belts chain drives and gear drive systems; perform maintenance and lubricate mechanical components. (Meets SACA Automation Specialist I C-210 Mechanical Power Systems I credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APPLIED ENGINEERING TECHNOLOGY CBE (AETC---)

AETC 040
Electrical Systems I

How to read schematics; connect and operate electrical circuits; use a digital multimeter; use resistors, capacitors and inductors in series and parallel circuits as well as electrical safety are covered. (Meets SACA Automation Specialist I C-201 Electrical Systems 1 credential.)

Course Level Fee 3 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

AETC 041
Pneumatic Systems I

Topics covered are pneumatic safety, connection and adjustment of supply lines and pneumatic circuits, air compressor starting, pneumatic schematics, adjusted flow, monitoring performance and system operations and basic servicing. (Meets SACA Automation Specialist I C-209 Pneumatic Systems 1 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/Lab-Discussion)

AETC 042
Mechanical Power Systems I

Students will identify mechanical power transmission types; safely install motors, shaft keys and hubs; install and align pillow blocks, bearings, V belts chain drives and gear drive systems; perform maintenance and lubricate mechanical components. (Meets SACA Automation Specialist I C-210 Mechanical Power Systems I credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APPLIED TECHNOLOGY (APT---)

APT 041
Applied Mathematics I

Fundamentals of basic arithmetic, calculator usage, simple equations, word problems, algebra, right triangles, charts and graphs.

(3 credits, 3 Lecture)

APT 042
Applied Mathematics II

Prerequisite: APT 041

Offers the student an in-depth study of algebra, geometry and trigonometry including factoring, solving linear systems, volumes, areas and right triangles.

(2 credits, 2 Lecture)

APT 043
Applied Mathematics III

Prerequisite: APT 042

Familiarizes the student with the concepts of logarithms, analytical geometry, vectors and statistics.

(2 credits, 2 Lecture)

APT 045
Total Productive Maintenance

In this class, students will learn what Total Productive Maintenance is, how to calculate and optimize overall equipment effectiveness and types of predictive maintenance operations as well as root cause troubleshooting techniques. (Meets SACA Automation Specialist I C-211 Industry 4.0 Total Productive Maintenance Management credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 046
Motor Control Systems I

Prerequisite: AET 040 or previous electrical experience

Students will understand of industrial electrical and electronic power systems. Topics covered include electrical safety, three phase circuits, motors wiring, ladder logic, transformers and electronic motor controllers. (Meets SACA Automation Specialist I C-202 Electric Motor Control Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 047
Electrical System Install I

Prerequisite: AET 040 or previous electrical experience

Students will learn to connect and wire electrical panels safely, control devices and electric motors. Proper grounding, wire sizing and circuit protection are also covered. (Meets SACA Automation Specialist I C-206 Electrical System Installation 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 048
Electrical Sensors I

Prerequisite: AET 040 or previous electrical experience

Students will learn the characteristics of various electric sensors used in automation and industrial processes. (Meets SACA Automation Specialist I C-205 Sensor Logic Systems 1 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 049
Ethernet Communications I

Students will connect, test, configure, monitor and use an Ethernet network used for industrial equipment. (Meets SACA Automation Specialist I C-212 Ethernet Communications 1 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/Lab-Discussion)

APT 050
Electrical Principles/Practice

This course is designed for students interested in the properties of electricity. It focuses on theory and skills to prepare technicians for the installation and troubleshooting of basic electrical circuits.

(4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

APT 051
Solid State Devices & Applications

Study of basic solid state devices, circuits and systems. Topics include: rectifiers, transistors, switching circuits, linear amplifiers, timers and variable frequency drives (VFD). Emphasis on oscilloscope and digital multi-meter use.

(4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

APT 052
Motor Ctrl Troubleshooting I

Prerequisite: APT 046 or consent of the instructor

Students learn skills in troubleshooting motor control components, using a clamp-on ammeter and VOM and troubleshooting motor control circuits including VFDs. (Meets SACA Automation Specialist I C-204 Motor Control Troubleshooting 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 053
Robot System Operations I

Students will learn to identify robot type, applications and components, robot safety and safely operating the robot in manual and automatic modes. (Meets SACA Automation Specialist I C-215 Robot System Operations 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 054
Hydraulic Systems I

This class is a hands-on introduction to basic hydraulic systems, including schematics, symbols, basic components, servicing and adjustments. (Meets Certified Industry 4.0 Automation Specialist I C-255 Hydraulic Systems 1 credential.)

Course Level Fee 3 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

APT 055
Smart Sensor and ID Systems I

Prerequisite: AET 040 or previous electrical experience

Students will understand, operate and interface smart sensors (RFID readers, ethernet serial, barcode readers and smart stack lights) as well as IO-link photo, pressure and ultrasonic sensors. (Meets SACA Automation Specialist I C-213 Smart Sensor and Identification Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 056
Smart Factory Systems I

Prerequisite: EET 086 or EET 087

Students will learn to operate a smart factory program safely, adjust and operate PLC-controlled automated pick and place system, gauging system, PLC-controlled indexing system and PLC-controlled sorting and queuing. (Meets SACA Automation Specialist I C-214 Smart Factory Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 057
Robot Systems Integration I

Prerequisite: APT 053 or consent of the instructor

This course covers basic communication and advanced topics of PLC operation and programming. Topics include project creation analog I/O, math and data handling instruction, program flow and communication protocols. (Meets SACA Automation Specialist I C-216 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 058
Mechanical Power Systems II

Prerequisite: AET 042 or consent of the instructor

This class covers the installation and troubleshooting of several common drive systems. (Meets SACA Automation Specialist II C-301 Mechanical Power Systems 2 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 059
Laser Shaft Alignment

Prerequisite: AET 042 or consent of the instructor

This class teaches laser alignment safety, components and alignment techniques. (Meets SACA Automation Specialist II C-302 Laser Shaft Alignment 1 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 060
Electric Motor Troubleshooting

Prerequisite: APT 046, EET 072 or consent of the instructor

This course focuses on the installation, maintenance and troubleshooting of single- and three-phase motors, equipment and controls. (Meets SACA Automation Specialist I C-303 Electric Motor Troubleshooting 1 credential.)

Course Level Fee 3 (1.5 credits, 0.5 Lecture, 2 Lab/Lab-Discussion)

APT 061
Hydraulic Maintenance I

Prerequisite: APT 054 or consent of the instructor

This course covers all aspects of basic Hydraulic maintenance and servicing. (Meets Certified Industry 4.0 Automation Specialist I C-256 Hydraulic Maintenance 1 credential.)

Course Level Fee 3 (1.5 credits, 1.5 Lecture, 1 Lab/Lab-Discussion)

APT 062
Pneumatic Troubleshooting I

Prerequisite: AET 041 or consent of the instructor

Provides technicians with basic concepts of pneumatics troubleshooting, including actuators and valves as well as filters and pumps. Students receive hands-on experience. (Meets SACA Automation Specialist II C-304 Pneumatic Troubleshooting 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 063
Industrial Electronic Sys I

Prerequisite: AET 040 or previous electrical experience

This course covers safety, oscilloscope usage as well as the testing and understanding of basic components used in industrial locations, SSRs and various analog sensors. (Meets SACA Automation Specialist II C-305 Industrial Electronic Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 064
Variable Frequency Dr II

Prerequisite: PLC 051

Students will gain skills in variable speed drive operation, programming and interfacing. Torque, sensorless vector and closed loop control are also covered. (Meets SACA Automation Specialist II C-308 Variable Frequency Drive Systems 2 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 065
Industrial Electronic Sys II

Prerequisite: APT 063 and AET 040

A study of motor control types and components. Topics include operational amplifiers, switching regulators, SCRs and Triacs. (Meets SACA Automation Specialist II C-306 Industrial Electronic Systems 2 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 066
Ethernet Communications II

Prerequisite: APT 049 or consent of the instructor

Class covers basic Wireless Ethernet, PLC Ethernet communications, industrial VLAN, network security and basic ethernet troubleshooting (Meets SACA Automation Specialist II C-310 Ethernet Communications 2 credential.)

Course Level Fee 3 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

APT 067
Electronics Systems Install I

Prerequisite: AET 040 or previous electrical experience

Students will gain skills in installing and commissioning common industrial equipment such as Variable Speed Drives, PLCs and HMI control as well a basic soldering, wiring and safety. (Meets SACA Automation Specialist II C-307 Electronic Systems Installation 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APT 068
Data Analytics I

The class covers cloud and site-based SCADA data analytics systems management and setup to track production statistics. Includes using an SQL database and basic queries. (Meets SACA Automation Specialist II C-311 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APT 069
Robot Systems Integration II

This class covers advanced robot interfacing and communications, including Ethernet IP, PLC Group I/O, Analog I/O, position and offset instructions and vision inspection and guidance. (Meets SACA Automation Specialist II C-312 Robot Systems Integration 2 credential.)

Course Level Fee 3 (1 credit, 1 Lecture, 0.5 Lab/Lab-Discussion)

APT 070
Smart Factory Systems II

Prerequisite: APT 056 or consent of the instructor

This class covers the skills involved in programming, adjusting and operating PLC-controlled smart factory systems. (Meets SACA Automation Specialist II C-313 Smart Factory Systems 2 credential.)

Course Level Fee 3 (1 credit, 1 Lecture, 0.5 Lab/Lab-Discussion)

APPLIED TECHNOLOGY CBE (APTC---)

APTC 045
Total Productive Maintenance

In this class, students will learn what Total Productive Maintenance is, how to calculate and optimize overall equipment effectiveness and types of predictive maintenance operations as well as root cause troubleshooting techniques. (Meets SACA Automation Specialist I C-211 Industry 4.0 Total Productive Maintenance Management credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 046
Motor Control Systems I

Prerequisite: AET 040, AETC 040 or previous electrical experience.

Students will understand of industrial electrical and electronic power systems. Topics covered include electrical safety, three phase circuits, motors wiring, ladder logic, transformers and electronic motor controllers. (Meets SACA Automation Specialist I C-202 Electric Motor Control Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 047
Electrical System Install I

Prerequisite: AET 040, AETC 040 or previous electrical experience.

Students will learn to connect and wire electrical panels safely, control devices and electric motors. Proper grounding, wire sizing and circuit protection are also covered. (Meets SACA Automation Specialist I C-206 Electrical System Installation 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 048
Electrical Sensors I

Prerequisite: Take AET 040, AETC 040 or previous electrical experience.

Students will learn the characteristics of various electric sensors used in automation and industrial processes. (Meets SACA Automation Specialist I C-205 Sensor Logic Systems 1 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 049
Ethernet Communications I

Students will connect, test, configure, monitor and use an Ethernet network used for industrial equipment. (Meets SACA Automation Specialist I C-212 Ethernet Communications 1 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 052
Motor Ctrl Troubleshooting I

Prerequisite: APT 046, APTC 046 or consent of instructor.

Students learn skills in troubleshooting motor control components, using a clamp-on ammeter and VOM and troubleshooting motor control circuits including VFDs. (Meets SACA Automation Specialist I C-204 Motor Control Troubleshooting 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 053
Robot System Operations I

Students will learn to identify robot type, applications and components, robot safety and safely operating the robot in manual and automatic modes. (Meets SACA Automation Specialist I C-215 Robot System Operations 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 054
Hydraulic Systems I

This class is a hands-on introduction to basic hydraulic systems, including schematics, symbols, basic components, servicing and adjustments. (Meets Certified Industry 4.0 Automation Specialist I C-255 Hydraulic Systems 1 credential.)

Course Level Fee 3 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

APTC 055
Smart Sensor and Id Systems I

Prerequisite: AET 040, AETC 040, or previous electrical experience.

Students will understand, operate and interface smart sensors (RFID readers, ethernet serial, barcode readers and smart stack lights) as well as IO-link photo, pressure and ultrasonic sensors. (Meets SACA Automation Specialist I C-213 Smart Sensor and Identification Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 056
Smart Factory Systems I

Prerequisite: EET 086 or PLCC 056, EET 087 or PLCC 057 and APT 053

Students will learn to operate a smart factory program safely, adjust and operate PLC-controlled automated pick and place system, gauging system, PLC-controlled indexing system and PLC-controlled sorting and queuing. (Meets SACA Automation Specialist I C-214 Smart Factory Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 057
Robot Systems Integration I

Prerequisite: APT 053, APTC 053 or consent of instructor.

This course covers basic communication and advanced topics of PLC operation and programming. Topics include project creation analog I/O, math and data handling instruction, program flow and communication protocols. (Meets SACA Automation Specialist I C-216 credential.

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 058
Mechanical Power Systems II

Prerequisite: AETC 042, AET 042 or consent of instructor.

This class covers the installation and troubleshooting of several common drive systems. (Meets SACA Automation Specialist II C-301 Mechanical Power Systems 2 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 059
Laser Shaft Alignment

Prerequisite: AETC 042, AET 042 or consent of instructor.

This class teaches laser alignment safety, components and alignment techniques. (Meets SACA Automation Specialist II C-302 Laser Shaft Alignment 1 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 060
Electric Motor Troubleshooting

Prerequisite: APT 046, APTC 046 or consent of instructor.

This course focuses on the installation, maintenance and troubleshooting of single- and three-phase motors, equipment and controls. (Meets SACA Automation Specialist I C-303 Electric Motor Troubleshooting 1 credential.)

Course Level Fee 3 (1.5 credits, 0.5 Lecture, 2 Lab/Lab-Discussion)

APTC 061
Hydraulic Maintenance I

Prerequisite: APT 054 or APTC 054 or consent of instructor.

This course covers all aspects of basic Hydraulic maintenance and servicing. (Meets Certified Industry 4.0 Automation Specialist I C-256 Hydraulic Maintenance 1 credential.)

Course Level Fee 3 (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

APTC 062
Pneumatic Troubleshooting I

Prerequisite: AET 041, AETC 041 or consent of instructor.

Provides technicians with basic concepts of pneumatics troubleshooting, including actuators and valves as well as filters and pumps. Students receive hands-on experience. (Meets SACA Automation Specialist II C-304 Pneumatic Troubleshooting 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 063
Industrial Electronic Sys I

Prerequisite: AET 040, AETC 040 or previous electrical experience.

This course covers safety, oscilloscope usage as well as the testing and understanding of basic components used in industrial locations, SSRs and various analog sensors. (Meets SACA Automation Specialist II C-305 Industrial Electronic Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 064
Variable Frequency Dr II

Prerequisite: APT 046, APTC 046 or consent of instructor.

Students will gain skills in variable speed drive operation, programming and interfacing. Torque, sensorless vector and closed loop control are also covered. (Meets SACA Automation Specialist II C-308 Variable Frequency Drive Systems 2 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 065
Industrial Electronic Sys II

Prerequisite: APT 063 and AET 040 or APTC 063 and AETC 040

A study of motor control types and components. Topics include operational amplifiers, switching regulators, SCRs and Triacs. (Meets SACA Automation Specialist II C-306 Industrial Electronic Systems 2 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 066
Ethernet Communications II

Prerequisite: APT 049, APTC 049 or consent of instructor.

Class covers basic Wireless Ethernet, PLC Ethernet communications, industrial VLAN, network security and basic ethernet troubleshooting (Meets SACA Automation Specialist II C-310 Ethernet Communications 2 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 067
Electronics Systems Install I

Prerequisite: AET 040, AETC 040 or previous electrical experience.

Students will gain skills in installing and commissioning common industrial equipment such as Variable Speed Drives, PLCs and HMI control as well a basic soldering, wiring and safety. (Meets SACA Automation Specialist II C-307 Electronic Systems Installation 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 068
Data Analytics I

The class covers cloud and site-based SCADA data analytics systems management and setup to track production statistics. Includes using an SQL database and basic queries. (Meets SACA Automation Specialist II C-311 credential.)

Course Level Fee 3 (0.5 credits, 0.5 Lab/ Lab-Discussion)

APTC 069
Robot Systems Integration II

Prerequisite: APTC 057

This class covers advanced robot interfacing and communications, including Ethernet IP, PLC Group I/O, Analog I/O, position and offset instructions and vision inspection and guidance. (Meets SACA Automation Specialist II C-312 Robot Systems Integration 2 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

APTC 070
Smart Factory Systems II

Prerequisite: APT 056, APTC 056 or consent of instructor.

This class covers the the skills involved in programming, adjusting and operating PLC-controlled smart factory systems. (Meets SACA Automation Specialist II C-313 Smart Factory Systems 2 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

ART (ART---)

ART 100
Drawing I

IAI ART 904

Fundamental concepts and application of techniques of drawing, using a variety of media. Studies from nature and life are used, leading to an interpretative approach to understanding the visual environment, light on form, perspective and composition.

Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 110
2-D Design
IAI ART 907
Students will learn a comprehensive study of the elements and principles of a two-dimensional design through assignments and individual and group critiques. Experience with a variety of tools, materials and techniques will also be employed.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 111
3-D Design
IAI ART 908
Students will complete a comprehensive study of the elements and principles of a three-dimensional design through assignments and individual and group critiques. Experience with a variety of tools, materials and techniques will also be employed.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 161
Printmaking
Introductory printmaking course covering various printmaking techniques, such as woodcut, linocut, etching, monotype/ monoprint, collagraph and silkscreen. Lectures and demonstrations will cover printmaking history and current trends. Competency in drawing and design required in order to achieve concepts, compositions and craftsmanship.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 165
Fundamentals of Art
A comprehensive overview of vocabulary and theories involving the elements and principles of design used in creating visual art with a studio experience geared to students pursuing a child care or elementary education degree.
Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

ART 200
Drawing II
Students will learn more expressive, conceptualized drawing methods through the continued study of concepts and techniques surrounding drawing; the emphasis will be on developing individual expression through a conceptual approach and drawing from life.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 205
Painting I
Students will learn the introduction to painting and explore the application of opaque and transparent painting media. Included in this introduction: color mixing, canvas stretching and other support preparation, composition, techniques and styles of expression.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 206
Painting II
This course is a continued study of conceptual and technical aspects of opaque painting media, canvas stretching, and panel construction, composition and styles of expression. Emphasis is on individual expression through abstracting from observation and utilizing painting as expressive communication.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 225
Ceramics I
Studio art which explores working with clay using fundamental methods of pinch, coil, slab and mold. Throwing pottery on the wheel and instruction on different methods of surface decoration will also be covered. Good craftsmanship and creative inventiveness are stressed.
Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ART 240
Art and Gender
IAI F2 907 D
This course will examine the expression of the visual arts through gender, history and culture. The study of art and gender is covered to better understand and define the intent and creation of art forms from ancient to contemporary culture.
(3 credits, 3 Lecture)

ART 250
Understanding Art
IAI F2 900
A survey of the visual arts from Ancient to contemporary times, an understanding the major cultural and historical relationships to the art forms.
(3 credits, 3 Lecture)

ART 260
IAI F2 901
Students will learn the historical developments of visual arts from Pre-historic through the Pre-Renaissance periods. Art will be examined as expressions of the ideas and beliefs of artist influenced by the political, religious and philosophical ideals of their different cultures.
(3 credits, 3 Lecture)

ART 261
Art History II
IAI F2 902
The study of the historical development of art from Pre-Renaissance through the 21st century. Beliefs and practices of cultures and societies will be examined. Style and symbolism combined with political, religious and philosophical traits will be explored through art.
(3 credits, 3 Lecture)

ASSOCIATE DEGREE NURSING (ADN---)

ADN 040
Nursing I
Prerequisite: Admission to the ADN Program
This course introduces the role of registered nurse as care provider and interprofessional healthcare team member. A concept-based approach introduces the novice student to knowledge, skills and attitudes necessary to develop clinical judgment in providing care for diverse populations.
Course Level Fee 3 (10 credits, 7 Lecture, 2 Lab/Lab-Discussion, 6 Clinical Hours)

ADN 042
Nursing II
Prerequisite: ADN 040
This course further develops the RN role. Nursing concepts are explored at a deeper level. Clinical experiences progress, providing students the opportunity to apply knowledge, skills and attitudes to make sound clinical judgments in providing care for diverse populations.
Course Level Fee 3 (10 credits, 6 Lecture, 2 Lab/Lab-Discussion, 9 Clinical Hours)

ADN 051
Transition to ADN
Prerequisite: LPN license and Admission into the second level of ADN Program
This course is designed for LPNs transitioning into the associate degree (RN) program. Introduces the LPN to concept-based learning, simulations, clinical judgement model and learning at the associate degree level. A skills verification is included.
Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

ADN 053
Pharmacology I
Prerequisite: ADN 040
Corequisite: ADN 042
Utilizing a concept-based approach, this course introduces clinical judgment and clinical application of medication therapy in prevention and treatment of disease.
Course Level Fee 3 (2 credits, 2 Lecture)

ADN 060
Nursing Seminar
Prerequisite: ADN 042 or ADN 051
Prepares the student for the transition to the role of the graduate associate degree nurse. Employment issues, legal implications, continuing education, nursing management and current issues in nursing are identified and discussed.
Course Level Fee 3 (1 credit, 1 Lecture)

ADN 074
Pharmacology II
Prerequisite: Successful completion of Pharmacology I ADN 053 or a course waiver for PN to ADN Students.
Corequisite: Currently enrolled in ADN 076
Continuation of ADN 053. Building upon previous knowledge, the nursing process is utilized to apply pharmacology concepts for clients with increasingly complex health conditions.
Course Level Fee 3 (2 credits, 2 Lecture)

ADN 075
Pharmacology III
Prerequisite: Successful completion of Pharmacology II ADN 074
Corequisite: Currently enrolled in ADN 078
Continuation of ADN 074. The nursing process is utilized to apply pharmacology concepts for clients in increasingly complex health conditions to prepare students for entry-level practice.
Course Level Fee 3 (2 credits, 2 Lecture)

ADN 076
Nursing III

Prerequisite: Completion of ADN 042 or a course waiver for PN to ADN students

This course continues RN role development. Nursing concepts are emphasized as students engage in complex care situations in laboratory and clinical settings to promote knowledge, skills and attitudes needed to make sound clinical judgments in providing care for diverse populations.

Course Level Fee 3 (10 credits, 6 Lecture, 2 Lab/Lab-Discussion, 9 Clinical Hours)

ADN 078
Nursing IV

Prerequisite: ADN 076

This course continues RN role development. Nursing concepts are emphasized as students engage in complex care situations in laboratory and clinical settings to promote knowledge, skills, and attitudes needed to make sound clinical judgments in providing care for diverse populations.

Course Level Fee 3 (10 credits, 6 Lecture, 2 Lab/Lab-Discussion, 9 Clinical Hours)

AUTOMOTIVE TECHNOLOGY (AUT---)

AUT 041
Basic Auto I

An introduction to the Automotive Service Industry. It will cover basic vehicle functions and operations, careers, shop safety, environmental and hazardous materials, tool knowledge, shop operations, vehicle detailing and basic vehicle servicing.

(3 credits, 2 Lecture, 1 Lab/Lab-Discussion)

AUT 042
Basic Auto II

Prerequisite: AUT 041

Continuing an introduction into the auto service industry. Topics covered will include resetting maintenance reminders, vehicle inspections, tire service, coolant service, battery service, lighting systems service, retrieving vehicle fault codes and advanced vehicle detailing.

(4 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 045
Safety Practices

Designed to educate students on general industry practices for the workplace and job site, including recognizing, avoiding, preventing and stopping potential workplace hazards.

(2 credits, 2 Lecture)

AUT 048
Intro to Auto Maintenance & Light Repair

This course is a study of chemicals, shop safety and operations, tools and equipment and careers in automotive technology. Techniques and tasks associated with electrical/electronics, heating/air conditioning, engine repair, brakes, steering, suspension and engine performance will be discussed and performed.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 050
Automotive Engine Repair

This course is a study of automotive engine design, diagnosis and removal/installation will be discussed, as well as cylinder head and valve train repair, short block repair, lubrication and cooling systems diagnostics. Hands-on engine disassembly, diagnostics and reassembly is included.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 051
Electrical Systems I

This course is a study of basic electrical systems of a vehicle. It includes basic Ohm's Law, electrical circuits, automotive meters and oscilloscopes, Automotive wiring and wiring repair, schematics, cranking circuits and charging systems.

Course Level Fee 1 (3 credits, 0 Lecture, 2 Lab/Lab-Discussion)

AUT 052
Engine Computer Systems/Sensors

Prerequisite: AUT 048 and AUT 051

This course is the study of computerized engine control system operation and diagnosis, focusing on computer networks, sensors and basic engine performance diagnosis.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 053
Brake Systems

Prerequisite: AUT 048 AND AUT 051

This course is a study of the hydraulic principles of drum, disc and ABS brake systems. Basic diagnosis and repair of the hydraulic system, power assist systems, drum and disc braking systems and ABS braking systems.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 054
Vehicle Heating & AC Systems

Prerequisite: AUT 048 and AUT 051 or consent of instructor

This course is a study of vehicle heating and air conditioning systems as used on current vehicles today. Experience will be provided in diagnosis, repair and service of various components.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 059
Electrical Systems II

Prerequisite: AUT 048 and AUT 051 or consent of instructor

This course is a study of the operation, diagnosis and repair of advanced electrical systems, including lighting systems, driver information, navigation systems, security/ anti-theft systems, airbag and pretension systems, body electrical accessories, advanced driver assist systems (ADAS) and audio systems.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 071*
Automotive Lab I

Prerequisite: AUT 048, AUT 050, AUT 051, AUT 052, AUT 053 and AUT 080

This course is designed to promote on-the-job training skills in automotive technology by applying skills and knowledge gained from the

classes already completed (AUT 048, AUT 050, AUT 051, AUT 052, AUT 053 and AUT 080) for the ASE Education Foundation master task lists. (Repeatable 3 Times)

(4 credits, 8 Lab/Lab-Discussion)

AUT 072*
Automotive Lab II

Prerequisite: AUT 054, AUT 059, AUT 081 and AUT 082

This course is designed to promote on-the-job training skills in automotive technology by applying skills and knowledge gained from the classes already completed (AUT 054, AUT 082, AUT 081 and AUT 059) for the ASE Education Foundation master task lists. (Repeatable 3 Times)

(4 credits, 8 Lab/Lab-Discussion)

AUT 073*
Automotive Lab III

Prerequisite: AUT 076 and AUT 083

This course is designed to promote on-the-job training skills in automotive technology by applying skills and knowledge gained from the classes already completed (AUT 076 and AUT 083) for the ASE Education Foundation master task lists. (Repeatable 3 Times)

(4 credits, 8 Lab/Lab-Discussion)

AUT 075
Supervised Occupational Exp

Prerequisite: Sophomore standing with at least one year in the automotive program or consent of instructor

Designed to promote on-the-job experience in automotive technology and apply skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site.

Course Level Fee 4 (Variable Credit 0.5/5 credits, 15 Work Based Learning)

AUT 076
Auto Transmissions/Transaxles

Prerequisite: AUT 048 or consent of instructor

This course is a study of automatic transmissions/transaxles maintenance, diagnosis and adjustment. On board and off board hydraulic control operations and repair are discussed.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 080
Auto Suspension & Steering

Prerequisite: AUT 048

This course is a study of vehicle suspension and steering systems, including their effect on handling, efficiency and tire life. As a student, you will successfully execute the alignment process, using a computerized vehicle alignment system.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 081
Ignition and Fuel Systems

Prerequisite: AUT 048, AUT 051 and AUT 052 or consent of instructor

This course is the study of vehicle ignition systems and fuel systems. It will include ignition systems and fuel delivery systems, including throttle body, port fuel-injected, gasoline direct-injection and high-pressure common rail diesel systems.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 082
Manual Dr Train and Axles

Prerequisite: AUT 048 and AUT 051 or consent of instructor

This course is the study of the diagnosis and repair of clutches, manual transmissions, transaxles and differentials. CV joints, drive shafts, front-wheel drive and four-wheel drive operations will be discussed.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 083
Vehicle Emission Systems

Prerequisite: AUT 048, AUT 051, AUT 052 and AUT 081 or consent of instructor

This course is a study of vehicle emission control systems in both gasoline and light diesel vehicles. This will include air induction systems and exhaust systems.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

AUT 089
ASE Test Review

Review of subject material covered by National Institute Automotive Service Excellence Certificate tests. Assists the technician in psychology of how to take the tests.

(2 credits, 2 Lecture)

BIO-SCIENCE (BIO---)

BIO 050
Basic Anatomy & Physiology

This course provides an understanding of anatomical structures and functions of the human body.

Course Level Fee 1 (4 credits, 4 Lecture)

BIO 061
Human Cadaver & Anatomy Review

Prerequisite: BIO 225 or BIO 226

This is a refresher course for allied health majors. The lab component covers gross anatomy of organ systems, blood vessels, nerves and musculoskeletal system, utilizing both models and cadavers. Brief physiological overview of various organ systems.

Course Level Fee 2 (1 credit, 2 Lab/Lab-Discussion)

BIO 100
Bio Science I

IAI L1910L & BIO910

This course provides an introduction to the fundamental processes and structures common to all living things along with their applications to society.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

BIO 111
General Botany

IAI L1910L & BIO 910

Prerequisite: BIO 100

A survey of the plant kingdom with emphasis on evolutionary advancements and the structure and function of plants and their ecological and human relevance. An introduction to bacteria, viruses, protists and fungi is included in this course.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

BIO 116
General Zoology

IAI L1910L & BIO 910

Prerequisite: BIO 100

An introduction to the basic concepts of animal life and its diversity. Including: taxonomy, cellular and organismic structure and function, development and economic importance.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

BIO 120
Natural Science

Designed to give practical science experience to students of child care, elementary and special education. Application of course content involved many activities that can be utilized in child care and elementary school settings.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

BIO 130
Environmental Science

IAI L1 905L

This course examines the principles that govern natural environments and human interconnections to them. Some topics include resource use, pollution, sustainability, energy, water, food, ecology, evolution, climate change and population. Laboratory exercises include outdoor field studies and indoor hands-on exercises.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

BIO 150
Biotechnology in Society

IAI L1 906

This course explores the field of biotechnology as a component of biology. Material covered includes basic DNA structure and function, history of biotechnology, basic techniques used in biotechnology, current and future impacts of biotechnology and ethical issues within biotechnology.

(3 credits, 3 Lecture)

BIO 160
Introduction to Genetics

IAI L1 906

An introduction to the principles of genetics with emphasis on human heredity. Included are Mendelian genetics, hereditary disorders, gene expression, genetic engineering and population genetics.

(3 credits, 3 Lecture)

BIO 212
Vertebrate Zoology

Prerequisite: BIO 100 and BIO 116

Laboratory and field course providing an in-depth study of North American vertebrates with emphasis on Illinois species. Includes taxonomy, distribution, habitats, adaptation and ecological and human relevance.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

BIO 225
Human Anatomy and Physiology I

Prerequisite: BIO 100 or consent of instructor

This course employs the regional approach to human structure and function using human cadavers. First of a two-course sequence for allied health majors.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

BIO 226
Human Anatomy and Physiology II

Prerequisite: BIO 225

Continuation of Human Anatomy and Physiology II (BIO 225). Emphasis on human anatomy and physiology through the regional approach using human cadavers.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

BIO 235
Microbiology

Prerequisite: BIO 100 or consent of instructor

This course covers a survey of microorganisms with detailed study of the biology, metabolism, growth, death, genetics, and methods of differentiation of bacteria. Also classification, control of organisms by physical and chemical methods, immunology and diseases are covered.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

BIO 245
Biology Seminar

Prerequisite: BIO 100, BIO 130 or BIO 160 and ENG 121

This capstone course prepares transfer students for scientific literacy though the integration of biological concepts. Emphasis is on discussion of current topics and research, development of formal oral and written communication skills and professional development in the biological sciences.

Course Level Fee 2 (1 credit, 1 Lecture)

BUILDING CONSTRUCTION TECH (BCT---)

BCT 045
Plans and Specifications

Enables the student to interpret architectural and engineering working drawings and specifications for residential and commercial construction. Incorporates site visits when possible.

(3 credits, 3 Lecture)

BCT 047
Groundwork: Tools to Concrete

Learn the fundamentals of construction through hands-on training in safety practices, tool use and basic site layout. This course prepares students for entry-level jobsite tasks and provides a strong foundation for advanced construction coursework and careers.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 057
Framework: Walls to Rafters

Prerequisite: BCT 047

Explore floor systems, wall framing techniques, roof rafters, trusses and exterior sheathing. Students build structural components through lab-based projects that emphasize accurate layout, assembly and safe use of framing tools and materials.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 063
Architectural Drafting

Prerequisite: CAD 056

In this introduction to architectural drafting, students learn by creating scaled drawings, including foundation plans, floor plans and elevation drawings. The emphasis is on residential design and construction drawings and the use of AutoCAD software is quite extensive.

Course Level Fee 2 (3 credits, 1 Lecture, 5 Lab/Lab-Discussion)

BCT 067
Ext Finish: Doors to Shingles

Learn essential exterior finishing skills for residential construction, including water barriers, windows and doors, siding, roofing and soffit installation. Hand-on labs reinforce proper installation techniques, material selection and waterproofing strategies for a durable building envelope.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 070
Construction Management

Prerequisite: BCT 054

Designed to give the student an understanding of the duties and responsibilities of the construction manager. Emphasis placed on cost control, scheduling, construction documents and reports. Incorporates site visits when possible.

(3 credits, 3 Lecture)

BCT 073
Architectural Design & Layout

Prerequisite: CAD 056

Hands-on architectural design course using AutoCAD to create residential and light commercial plans. Students explore layout, codes, energy efficiency, aesthetics and remodeling while producing complete design sets focused on kitchen, baths, modular homes and small commercial spaces.

Course Level Fee 2 (3 credits, 1 Lecture, 5 Lab/Lab-Discussion)

BCT 075
Carpentry SOE

Enables the student to gain on-the-job experience in the construction industry. Focuses on work associated with a hands-on trade. The student works the hours an employer assigns, ideally 12.5 hours per week throughout the semester.

Course Level Fee 3 (2.5 credits, 12.5 Work Based Learning)

BCT 076
Architectural Design

Prerequisite: BCT 062

The study of architectural design considerations that influence the energy efficiency of structures. Including project site integration, window orientation, framing techniques, material selection and HVAC design. Heating and cooling load calculations, labs and computer aided drafting will be utilized.

Course Level Fee 1 (4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

BCT 077
Outbuildings: Decks to Sheds

Prerequisite: BCT 067

Explore advanced exterior finishing techniques and small-structure construction. Learn to install specialty siding, apply insulation, construct pole barns and sheds and fabricate trim using a metal brake. Ideal for students preparing for work in custom outbuilding and exterior construction.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 078
Architectural SOE

Enables the student to gain on-the-job experience in the construction industry, completing between 37.5 and 412 contact hours with the employer.

Course Level Fee 4 (Variable Credit 0.5/5 credits, 25 Work Based Learning)

BCT 079
Construction Mgmt Internship

Supervised summer internship focused on construction management. Students complete 300 hours with a general contractor, gaining hands-on experience in project planning, jobsite operations and contractor coordination under professional mentorship.

Course Level Fee 2 (4 credits, 20 Work Based Learning)

BCT 087
Int Finish: Walls to Flooring

Learn interior finishing techniques, including drywall hanging and taping, sealing and painting, caulking, flooring and tile installation. Students gain hands-on experience applying final surface materials for clean, durable and professional interior results in residential construction projects.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 089
Construction Estimating

Prerequisite: BCT 045 and BCT 054

Corequisite: CIS 068 or CIS 160

Prepares students to do quantity take offs on material, equipment and labor estimates for building construction. Enables the student to interpret architectural and engineering working drawings and specifications for residential and commercial construction. Incorporates site visits when possible.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

BCT 097
Woodwork: Trim to Cabinetry

Explore interior wood finish techniques, including trim styles, stain and topcoat applications as well as cabinet building applications and installation. Students gain hands-on experience fitting and finishing trim and cabinetry for clean, functional and professional interiors.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BCT 099
The Basics of Plumbing

Hands-on introduction to residential plumbing systems. Students learn to install, connect and repair water supply and DWV systems using industry-standard tools and materials, with an emphasis on safety, code compliance and fixture installation. Designed for construction-focused students.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

BUSINESS (BUS---)

BUS 041
Employability Skills

Employability Skills supports students in obtaining essential employment skills and behaviors needed to succeed in the workplace, allowing them to present themselves well, navigate job searches and perform effectively in a professional setting.

(3 credits, 3 Lecture)

BUS 056
Marketing Seminar

Corequisite: BUS 057

Enables the student to participate in discussions relating to successful employment. The student must complete a project relating to his/her job.

(1 credit, 1 Lecture)

BUS 057
Marketing Internship

Corequisite: BUS 056

Provides employment experience in a position consistent with the career objective of the student. The position must be approved by the program director. This fall or spring semester course may be taken as the first or second student internship.

Course Level Fee 1 (4 credits, 20 Work Based Learning)

BUS 059
Medical Insurance and Coding

Introduction to types of medical insurance and procedural and diagnostic coding. Includes preparation of insurance forms, ICD-10-CM coding, procedural coding using HCPCS system, common insurance carriers and claims processing guidelines, Medicare, Medicaid and workers' compensation.

(3 credits, 3 Lecture)

BUS 060
Automated Ofc Procedures

Prerequisite: CIS 160

Students manage office activities using computer software and equipment in a simulated office environment. Students use word processing, electronic mail and calendaring and other specialized software.

Course Level Fee 3 (3 credits, 3 Lecture)

BUS 061
Office Transcription

Prerequisite: BUS 113 or BUS 114

Designed to develop skills in transcribing recorded dictation for a variety of business sectors in an efficient manner using proper formats, spelling and grammar.

(3 credits, 3 Lecture)

BUS 063
Medical Transcription

Prerequisite: BUS 113 and AHE 041

Designed to develop skills in transcribing recorded medical dictation in an efficient manner using proper formats, grammar, spelling and medical terminology.

(1 credit, 1 Lecture)

BUS 074
Management Seminar

Corequisite: BUS 076

Enables the student to participate in discussions relating to successful employment. The student must complete a project relating to his/her job.

(1 credit, 1 Lecture)

BUS 076
Management Internship

Corequisite: BUS 074

Provides employment experience in a position consistent with the career objective of the student. The position must be approved by the program director. This fall or spring semester course may be taken as the first or second student internship.

Course Level Fee 1 (4 credits, 20 Work Based Learning)

BUS 077
Payroll Accounting

Prerequisite: Take BUS 095

Focuses on fundamental skills and basic knowledge in the area of business payroll. Includes calculation of gross pay and payroll taxes. Covers journalizing and posting of payroll-related journal entries and completion of payroll tax forms.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 078
Management/Marketing Capstone

Prerequisite: Completion of 46 hours in either the Management Degree or Marketing Degree, or by consent of the Management/Marketing Program Coordinator

Designed as a capstone class for both Management and Marketing majors. Areas of concentration will include current topics in business, job seeking and keeping skills, organizational politics and diplomacy and an in-depth examination of management/marketing concepts.

(1 credit, 1 Lecture)

BUS 079
Professional Development

Designed as a pre-employment course. Areas of study include job professionalism and communication.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 081
Office Assistant Internship

Prerequisite: BUS 079

Designed to provide employment experience in a position using specialized skills. Field experience: minimum of 225 hours required of Office Assistant (Executive and Legal) and Office Manager majors.

Course Level Fee 2 (3 credits, 15 Work Based Learning)

BUS 082
Medical Transcriptionist Internship

Prerequisite: Take BUS 063, BUS 079 and BUS 084 and minimum typing speed of 50 words per minute

Corequisite: BUS 080

Designed to provide employment experience in a position that will utilize the specialized skills of the student. Placements will include positions in doctors' offices, hospitals, medical clinics, etc.

Course Level Fee 2 (3 credits, 15 Work Based Learning)

BUS 083
Ofc Asst Internship-Med

Prerequisite: BUS 079

Designed to provide employment experience in a position that will utilize the specialized skills of the student. Placements will include positions in medical offices, hospitals and clinics. Field experience: minimum of 225 hours.

Course Level Fee 2 (3 credits, 15 Work Based Learning)

BUS 084
Adv Medical Transcription

Prerequisite: BUS 063

Designed to develop skills with realistic dictation with comprehensive terminology in 13 specialties by medical professionals from various ethnic groups.

(1 credit, 1 Lecture)

BUS 085
Accounting Process

Develops a foundation and a working knowledge of the basic accounting procedures. Students will work through the accounting cycle.

(1 credit, 1 Lecture)

BUS 086
Statistics for Business

Develops a working knowledge of some of the statistical tools used in business analysis and decision making.

(3 credits, 3 Lecture)

BUS 087
Accounting Internship

Prerequisite: Completion of 24 semester hours of credits in the program with a minimum of 2.0 GPA

Designed to provide employment experience in a position that will utilize the specialized skills of the student. The position must be approved by the accounting program coordinator before the student registers for the course.

(3 credits, 15 Work Based Learning)

BUS 089
Small Business Management

Covers entrepreneurship opportunities and challenges facing small business managers including how to conceptualize a feasible business concept, develop a comprehensive business plan, obtain start-up capital, execute the firm's strategy and maintain financial and inventory control.

(3 credits, 3 Lecture)

BUS 090
Principles of Retailing

Designed for those owning or planning to become owners of a retail business, those involved or planning to become involved in the management function of a retail business and/or those desiring a general knowledge of retailing as an institution.

(3 credits, 3 Lecture)

BUS 091
Principles of Advertising

Provides an overview of integrated marketing communications, promotional strategy, research, creativity, the role of an advertising agency and other support organizations, media selection and assessment, ethical and regulatory considerations and budgetary allocations.

(3 credits, 3 Lecture)

BUS 092
Principles of Selling

Covers the various aspects of the personal selling process, including organizational buying motives, consumer behavior, approaching the customer, making the presentation, handling objections, sale closing techniques and managing the salesforce.

(3 credits, 3 Lecture)

BUS 094
Business Math

Covers basic applications of mathematics in the business world – fractions, decimals, percentages, elementary algebra, banking, buying and selling, payroll and interest. It is designed to reinforce and expand business concepts through the use of mathematics.

(3 credits, 3 Lecture)

BUS 095
Fundamentals of Accounting

An introduction to basic accounting principles and techniques designed to give the student a general knowledge of accounting practices and terminology. Students will work through the accounting cycle for both a service and retail business.

(3 credits, 3 Lecture)

BUS 096
Federal Tax Accounting

Focuses on a practical study of the fundamentals of taxation and the current federal revenue act as it relates to individuals.

(3 credits, 3 Lecture)

BUS 098
Intermediate Accounting

Prerequisite: BUS 151 with grade of C or higher

Provides an in-depth study of accounting theory and current practice. Includes the development of accounting theory, the format and content of the financial statements and emphasizes revenue recognition and assets.

(3 credits, 3 Lecture)

BUS 099
Computerized Accounting

Prerequisite: BUS 095 or BUS 151

A capstone course that reinforces financial accounting concepts and procedures through the use of personal computers and popular commercial software. A comprehensive study of computerized accounting systems in both service and merchandising environments.

Course Level Fee 3 (3 credits, 3 Lecture)

BUS 113
Keyboarding

Development of keyboarding skills on letters, numbers and symbols keys. Students learn to format and print business letters, memos, reports and tables using word processing features.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 114
Advanced Formatting

Prerequisite: BUS 113

Development of skill in formatting business correspondence, reports, forms and tables to meet mailability and production standards. Instruction on word processing software is integrated throughout the course.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 115
Processing Info

Prerequisite: BUS 114

Development of skill in processing information using word processing software and applying critical thinking from a variety of office simulations. Advanced formatting skills are further developed through application to specialized office situations.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 120
Business Career Development

This course covers career development from targeting and researching a business career to preparing employment communications and interviewing. The course also covers business writing techniques, email and memorandum communication, teamwork, professional development and business etiquette.

Course Level Fee 3 (3 credits, 3 Lecture)

BUS 134
Principles of E-Marketing

This course is a study of how an organization develops and uses its website, email, wireless communication and social media efforts as part of an effective integrated marketing communication strategy.

(3 credits, 3 Lecture)

BUS 141
Business Communications

Provides students with practical strategies for improving written and oral communication, including employment communication in business settings.

Course Level Fee 1 (3 credits, 3 Lecture)

BUS 142
Introduction to Business

Covers the objectives, organization and role of business in the free-enterprise system. The course is designed to provide an overview of the field of business and to provide a framework into which specialized fields may be studied.

(3 credits, 3 Lecture)

BUS 200
Legal Environ/Business

An introduction to legal systems and law, especially the U.S. legal system. Business-legal relationships in the areas of criminal law, torts, product liability and contracts are examined. Consumer, labor and environmental law are studied.

(3 credits, 3 Lecture)

BUS 221
Financial Accounting

IAI BUS 903

Prerequisite: High school accounting, BUS 085, BUS 095 or consent of instructor

A study of the financial statements, the accounting process and the principles and procedures underlying items on the financial statements.

(3 credits, 3 Lecture)

BUS 222
Managerial Accounting

IAI BUS 904

Prerequisite: BUS 221

Examines managerial accounting concepts including cost classification, job order and process cost systems, cost-volume-profit analysis, absorption and variable costing, budgeting, standard costs, variance analysis, relevant costs for decision-making, activity-based costing and capital budgeting.

(3 credits, 3 Lecture)

BUS 247
Principles of Marketing

Covers the selection of target markets; the controllable variables of the marketing mix including product, place, price and promotion; and the uncontrollable variables including legal environment, economic environment and cultural environment.

(3 credits, 3 Lecture)

BUS 251
Principles of Management

Provides an overview of how managers utilize planning, organization, leadership and control in order to ensure that a firm achieves its goals in the most efficient way possible.

(3 credits, 3 Lecture)

BUS 281
Business Statistics

IAI BUS 901

Prerequisite: MAT 130

Designed to provide a useful and working knowledge of data analytical skills involving interpretation and communication of descriptive measures, probability theory, correlation, interval estimation, hypothesis testing, simple linear regression, chi-square tests and ANOVA.

(3 credits, 3 Lecture)

BUS 285
Labor Relations

A study of the labor and employment laws that have the greatest impact on the relationship between employers and employees, and the strategies managers utilize to maintain an effective level of employee satisfaction. Transfers as elective credit only.

(3 credits, 3 Lecture)

BUS 290
Human Resource Management

Examines the managerial processes of planning, developing and controlling human resources within the organization. Special emphasis will be placed on the areas of recruiting, selection, training, labor relations, salary and benefit administration. Transfers as elective credit only.

(3 credits, 3 Lecture)

CENTER FOR BUSINESS AND INDUSTRY (CBI---)

CBI 023
CNC Machining for Industry

An introduction computer numerical controlled (CNC) machine tool operation, programming and processes. Manual and computer-assisted part programming with machine tool verification. Course may be customized for industry needs.

(2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CBI 045
Word

Participants learn the basic functions of Microsoft Word to enable processing of typical business documents.

(1 credits, 1 Lecture)

CBI 046
Excel

Participants learn the basic functions of Microsoft Excel to enable processing of typical business spreadsheets.

(1 credits, 1 Lecture)

CBI 047
Access

Participants learn the basic concepts of using a database program.

(1 credits, 1 Lecture)

CBI 063
Lotus Notes

The primary objective of the course is to introduce the mail and calendaring features of Lotus Notes.

(0.5 credits, 0.5 Lecture)

CENTER FOR BUSINESS AND INDUSTRY (MBI---)

MBI 027*
OSHA 30 Hr General Industry Safety

On-line General Industry Safety course is designed for credentializing leaders, supervisors, and managers to oversee safe plant floor practices. Successful completers of this training will receive an OSHA 30 Hr General Industry course completion card from the US Department of Labor. (Repeatable 3 Times)

(2 credits, 2 Lecture)

MBI 030
Manufacturing Reliability Specialist I

This course covers areas in establishing management systems to maintain and improve the reliability of manufacturing production equipment and processes.

(2 credits, 2 Lecture)

CHEMISTRY (CHM---)

CHM 101
Physical Science II
IAI P1 903L

An introductory discussion of chemical principles. Presents a balance between basic knowledge needed to understand the uses of chemicals and applications of chemicals in everyday life.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CHM 111
Concepts of Chemistry
IAI P1 903L

An introduction to the concepts of chemistry where information is presented to students with little background or no prior interest in chemistry and those students who are not interested in abstract or mathematical theories.

Course Level Fee 3 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

CHM 120
General, Organic and Biochemistry I
IAI P1 902L

Fundamentals of inorganic chemistry including history, atomic theory, bonding, stoichiometry, gases, solids, solutions, chemical equilibria, acids, bases, salts, pH and electrochemistry.

Course Level Fee 3 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

CHM 121
General, Organic and Biochemistry II
Prerequisite: CHM 120

Study of organic and biological chemistry for students in allied health programs, agriculture, forestry and other majors with comparable requirements.

Course Level Fee 3 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

CHM 150
General Chemistry I
IAI P1 902L, CHM 911

Prerequisite: Take 1 year of high school chemistry or CHM 111 or consent of Division Chair or Instructor

General principles of chemistry for students majoring in chemistry, engineering or science professions. Topics include atomic theory, bonding, stoichiometry, gas laws and thermochemistry.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

CHM 151
General Chemistry II
IAI CHM 912

Prerequisite: CHM 150

Continuation of the general principles of chemistry for students majoring in chemistry, engineering or science professions. Topics include solids/liquids, solutions, kinetics, equilibrium, thermodynamics and electrochemistry.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

CHM 243
Organic Chemistry I
IAI CHM 913

Prerequisite: CHM 151

Corequisite: CHM 253

Fundamental introduction to organic chemistry, including a study of hydrocarbons and alcohols with spectroscopy, stereochemistry and reaction mechanisms.

(4 credits, 4 Lecture)

CHM 244
Organic Chemistry II
IAI CHM 914

Prerequisite: CHM 243

Corequisite: CHM 254

This course is a continuation of Organic Chemistry I (CHM 243) with a focus on aromatic chemistry, carbonyl functional groups and biomolecules.

(4 credits, 4 Lecture)

CHM 253
Organic Chemistry Lab I
IAI CHM 913

Prerequisite: CHM 151

Corequisite: CHM 243

Laboratory course introduces synthesis and the basic techniques for the separation, isolation, purification and identification of organic compounds.

Course Level Fee 3 (1 credit, 3 Lab/Lab-Discussion)

CHM 254
Organic Chemistry Lab II
IAI CHM 914

Corequisite: CHM 244

Prerequisite: CHM 243 and CHM 253

Laboratory experiments in organic chemistry with a focus on multi-step synthesis and compound characterization.

Course Level Fee 3 (1 credit, 3 Lab/Lab-Discussion)

CIVIL ENGINEERING TECHNOLOGY (CET---)

CET 020*
3-Day Aggregate for I.D.O.T.

This course prepares a student for the I.D.O.T. Level I Hot Mix Asphalt course (CET 029) or the Portland Cement Concrete Level II course (CET 024). (Repeatable 3 Times)

(1 credit, 1 Lecture)

CET 021
5-Day Aggregate for I.D.O.T.

This course prepares a person to work in an aggregate producer's lab on I.D.O.T. QC/QA projects. It can also serve as the prerequisite for IDOT Hot Mix Asphalt Level I (CET 029) course or Portland Cement Concrete Level II course (CET 024).

(2 credits, 2 Lecture)

CET 023
5-Day Asphalt/IDOT Level II

Prerequisite: CET 029

An advanced course covering proportioning, troubleshooting and lay down of hot mix asphalt.

(2 credits, 2 Lecture)

CET 024
Level II Portland Cement Conc

Prerequisite: CET 020

An advanced course covering proportioning of P.C.C. for I.D.O.T. QC/QA projects.

(1 credit, 1 Lecture)

CET 026*
Nuclear Density (IDOT)

Upon completion of the course a person is qualified to run a nuclear density gauge on QC/QA asphalt projects. This course covers the use of the gauge and I.D.O.T. paperwork involved. (Repeatable 3 Times)

(0.5 credits, 0.5 Lecture)

CET 027*
Mixture Aggregate Tech Upgrade

Prerequisite: CET 020

This course serves as an upgrade course for individuals who currently are Mixture Aggregates certified. Upon successful completion, it enables a person to administer the I.D.O.T. QC/QA program for an aggregate producer participating in the Aggregate Gradation Control System. (Repeatable 3 Times)

(1 credit, 1 Lecture)

CET 029
Level I Hot Mix Asphalt

Prerequisite: CET 020 or CET 021

Laboratory testing of HMA using Superpave technology and information on the production of HMA is covered in this course. Successful completion permits a person to do testing associated with contracts let under the QC/QA program.

(2 credits, 1.5 Lecture, 1 Lab/Lab-Discussion)

CET 030*
Level I Port Cement Concrete

This course covers the testing of PCC Mix and the basics of the I.D.O.T. QC/QA program as it applies to PCC. Persons completing this

course will be able to do the mix testing for PCC on QC/QA projects and will also receive the ACI Level I certification. This course is a combination of CET 035 and CET 036. (Repeatable 3 Times)

(1.5 credits, 1.5 Lecture)

CET 031
HMA Level III

Prerequisite: CET 020 or CET 021

This course covers the basics of Superpave Mix Design. Persons completing this course will be able to do a mix design for Hot Mix Asphalt.

(2 credits, 1.5 Lecture, 1 Lab/Lab-Discussion)

CET 039*
Level 3 Prtlnd Cement Concrete

Prerequisite: CET 024

An advanced course covering concrete mix design for I.D.O.T. QC/QA projects. (Repeatable 3 Times)

(1 credit, 1 Lecture)

CET 051
Civil Construction I

Study of civil construction including types of projects, personnel, equipment, materials and methods. Blueprint reading and specification interpretation for heavy construction is also emphasized.

(3 credits, 3 Lecture)

CET 052
Civil Construction II

Prerequisite: CET 051

Familiarizes the student with basic concepts of construction management with special emphasis on contracts, cost estimating, progress scheduling, engineering economics and quality control.

(3 credits, 3 Lecture)

CET 054
Soils + Aggregates

Prerequisite: TEC 050

A laboratory oriented study of soil and aggregate testing procedures that identify and classify.

Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

CET 056
Pcc Theory and Design

Prerequisite: CET 054 and BCT 054

Discussion of concrete through all stages of design, mix, delivery, placement and curing with special emphasis on design, proportioning and field testing.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CET 057
Asphalt Theory and Design

Prerequisite: CET 054

Discussion of asphalt paving from plant to paver with special emphasis on testing and quality control.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CET 060
Surveying I

Fundamentals of basic surveying operations such as chaining, leveling and use of the transit and the basic calculations associated with these operations.

Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

CET 062
Surveying II

Prerequisite: CET 060 and TEC 052

Designed to apply the skills learned in Surveying I to practical problems such as closed traverse, area calculations, land surveying, topographic mapping, stadia surveys and difficult level circuits.

Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

CET 064
Surveying III

Prerequisite: CET 062

Analysis of horizontal and vertical curves, precise control traverses and leveling and the use of proper surveying coding. Emphasizes the use of total stations, electronic data collection, GPS equipment and engineering software, primarily Microstation.

Course Level Fee 2 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

CET 065
Data Collection for GIS Mapping

Prerequisite: ESC 106 or CET 060

This class is designed to familiarize students with the theory of the global positioning system and data collection methods associated with geographic information systems.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CET 075
Supervised Occupational Exp

Enables the student to gain on the job experience in Civil Engineering Technology during the summer session.

Course Level Fee 2 (Variable Credit 0.5/5 credits, 25 Work Based Learning)

CET 076
Supervised Occupational Exp

Prerequisite: Enrollment in the CO-OP version of the Civil Engineering Technology Program

Enables the student to gain on the job experience in Civil Engineering Technology.

Course Level Fee 4 (5 credits, 30 Work Based Learning)

CET 077
Supervised Occupational Experience

Prerequisite: CET 076

Enables the student to gain on the job experience in Civil Engineering Technology.

Course Level Fee 4 (6 credits, 30 Lab/ Lab-Discussion)

CET 078
Supervised Occupational Experience

Prerequisite: CET 077

Enables the student to gain on-the-job experience in Civil Engineering Technology.

Course Level Fee 4 (6 credits, 30 Lab/ Lab-Discussion)

CET 079
Supervised Occupational Exp

Prerequisite: CET 078 and sophomore standing in C.E.T. or Permission of Instructor

Designed to provide the student with work experience in the field while maintaining contact with an instructor for review and assistance.

(3 credits, 15 Lab/Lab-Discussion)

CET 081
CAD for Civil Engineering

Prerequisite: CET 082

Basic and advanced use of Microstation Geopak that focus on 3D drawing use and processing along with processing and creating data for terrain models, proposed and existing cross sections for plans and other civil engineering applications.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CET 082
Civil Drafting

Prerequisite: CAD 056

CET 087

Focuses on developing the competence in drafting detailed drawings and the basics of Microstation with special emphasis on interpreting field data to produce highway construction drawings and survey drawings.

Course Level Fee 1 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

CET 087
Hydraulics & Drainage

Prerequisite: TEC 052

Fundamentals of statics, kinematics and dynamic flow as well as drainage area and volume of flow calculations.

(3 credits, 3 Lecture)

COMMUNICATION (COM---)

COM 070
Radio Production Lab

The further application of the techniques of good broadcasting is covered, including announcing, writing, managing and working for a station image. Operation of various radio automation systems, along with air work on the college radio station, is emphasized.

Course Level Fee 3 (5 credits, 1 Lecture, 8 Lab/Lab-Discussion)

COM 072
Fall Sportscasting

This course is designed to give a background in announcing various sporting events. Experience includes broadcasting fall sports at local high schools and Lake Land College on WLKL, LLC's radio station. Training of broadcast equipment is also included.

Course Level Fee 1 (1 credit, 2 Lab/Lab-Discussion)

COM 073
Spring Sportscasting

This course is designed to improve basketball, baseball and softball announcing skills. Training and practice of sportscasting

continues with coverage of Lake Land College and high school sporting events on WLKL, LLC's radio station.

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

COM 082
Fall Athletic Announcing

This course is designed to refine sports announcing skills. Experience includes broadcasting fall sports at local high schools and Lake Land College on WLKL, LLC's radio station. Training of broadcast equipment is also included.

Course Level Fee 1 (1 credit, 2 Lab/Lab-Discussion)

COM 083
Spring Athletic Announcing

This course is designed to enhance basketball, baseball and softball announcing skills. Experience includes broadcasting high school and Lake Land College sports on WLKL, LLC's radio station. The fundamentals of play-by-play, color commentary, analysis and interviewing are included.

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

COM 111
Intro to Speech Communication

IAI C2 900

Focuses on the fundamental principles and methods of selecting, analyzing, organizing, developing and communicating information, evidence and points of view to audiences.

(3 credits, 3 Lecture)

COM 150
Introduction to Broadcasting

IAI MC 914

Emphasis is placed on all aspects of the broadcasting industry including history, digital radio, high definition television, programming, the FCC, advertising and responsibility to society. A brief explanation of the technical operations of a station is presented.

(3 credits, 3 Lecture)

COM 155
Radio-TV Announcing

IAI MC 918

The principles of broadcast announcing are discussed and applied to reading commercials, news, voice tracking, sports and on-air music announcing. Interviewing techniques and the relationship between the announcer and the public are included.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

COM 160
Radio Station Operation

IAI MC 915

A practical demonstration course to begin "on air" work. In addition to air time, other duties such as news gathering, production, programming, etc., are assigned. Reading meters, filling out operating logs and editing audio are also incorporated.

Course Level Fee 3 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

COM 165
Broadcast Writing

IAI MC 917

The principles of broadcast journalism, copy writing, oral style, editing, writing effective commercial copy and libel laws are discussed for visual and audio productions.

Course Level Fee 3 (4 credits, 4 Lecture)

COM 175
Broadcast Sales

Broadcast selling principles from the Radio Advertising Bureau are presented. Conducting a client needs analysis and servicing an account are stressed. Analysis of surveys is included. The Radio Marketing Professional national exam is given as part of the course.

Course Level Fee E (3 credits, 3 Lecture)

COM 180
Basic TV Production

IAI MC 916

The course is designed to acquaint students with various aspects of professional TV studio and field production. Technical proficiency in basic camera operation direction and non-linear editing are stressed. Actual production of interviews, commercials and news are included.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

COM 185
Advanced Radio Production

Prerequisite: COM 070

In this course students polish the skills and techniques of boardwork, announcing, voice tracking, news and sports writing and production. The importance of promotion, management of station personnel and programming a station for profit are stressed.

Course Level Fee 3 (4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

COM 198
Broadcast Seminar

Corequisite: COM 199

This course must be taken concurrently with the Broadcast Internship. The course will provide discussion opportunities for successful internship experiences.

(1 credit, 1 Lecture)

COM 199
Broadcast Internship

Corequisite: COM 198

Provides a 150-hour experience in a position consistent with the career objective of the student. The position must be approved by the program director.

(2 credits, 10 Work Based Learning)

COM 200
Interpersonal Communication

Principles and practices of oral communication emphasizing message formation and delivery, listening, perception, awareness of verbal and non-verbal codes and managing conflict.

Course Level Fee 1 (3 credits, 3 Lecture)

COM 213
Intro to Group Discussion

Focuses on the principles and application of public and closed group discussions with emphases on purposes and common forms, critical analyses and participation.

(3 credits, 3 Lecture)

COM 220
Persuasive Speaking

Prerequisite: COM 111

Studies audience attitudes, logical lines of reasoning, and emotional appeals used in causing an audience to accept different views or to adopt recommended courses of actions.

Course Level Fee 1 (3 credits, 3 Lecture)

COM 244
Introduction to Acting

Focuses on approaches to acting with emphasis on basic techniques and the development of character as it relates to the role.

Course Level Fee 1 (3 credits, 3 Lecture)

COMMERCIAL DRIVERS LICENSE (CDL---)

CDL 010
CDL Recertification

Prerequisite: CDL 040 or previously held a CDL license. Special enrollment requirements apply. See program model for specific information.

Designed for the student who has previously passed CDL 040 and who has not driven during the 60-days immediately following graduation. Student will be reissued a current completion certificate as required by most employers to be eligible for entry-level employment.

(0.5 credit, 1 Lab/Lab-Discussion)

CDL 030
HazMat Endorsement Training

Designed for the applicant who intends to operate a commercial motor vehicle used in the transportation of hazardous materials. Driver Trainees must complete this training to take the state administered knowledge test for the Hazardous Materials knowledge test.

Course Level Fee 2 (1 credit, 1 Lecture)

CDL 043
Dual Credit CDL Theory

Designed for students interested in a career course covers the required classroom training under the Entry Level Driver Training (ELDT) rule.

(3.5 credits, 3.5 Lecture)

CDL 045
Class B CDL Driver Training

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person with little to no commercial driving experience, this program is Entry Level Driver Training (ELDT) rule compliant and will provide everything a student needs to obtain a Class B entry-level driving position in the transportation industry. (Repeatable 3 Times)

Course Level Fee 4 (7.5 credits, 5 Lecture, 5 Lab/Lab-Discussion)

CDL 046
Class B CDL Theory

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person with little to no commercial driving experience, this program is Entry Level Driver Training (ELDT) rule compliant and will provide everything a student needs to obtain a Class B entry-level driving position in the transportation industry. (Repeatable 3 Times)

Course Level Fee 4 (5 credits, 5 Lecture)

CDL 047
Class B CDL BTW

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person who has already completed the prerequisite Commercial Driving Training Class B Theory course and has received their Commercial Learner's Permit within the calendar year.

Course Level Fee 4 (2.5 credits, 5 Lab/ Lab-Discussion)

CDL 050
Class A CDL Driver Training

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person with little to no commercial driving experience, this program is Entry Level Driver Training (ELDT) rule compliant and will provide everything a student needs to obtain an entry-level driving position in the transportation industry.

Course Level Fee 4 (10 credits, 5 Lecture, 11 Lab/Lab-Discussion)

CDL 051
Class A CDL Theory

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person who is needing the CDL Class A Theory portion only. This course covers only the classroom portions of the Entry Level Driver Training Rule.

Course Level Fee 4 (5 credits, 5 Lecture)

CDL 052
Class A CDL BTW

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person who has already completed the prerequisite Commercial Driver Training Class A Theory course and has received their Commercial Learners Permit within the calendar year.

Course Level Fee 4 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

CDL 060
Class B CDL to A Upgrade

Prerequisite: Special enrollment requirements apply. See program model for specific information.

Designed for the person who already maintains a Class B CDL and needs to upgrade to a Class A CDL.

Course Level Fee 4 (7.5 credits, 5 Lecture, 5 Lab/Lab-Discussion)

CDL 090
Careers in CDL

Designed for students interested in a career requiring a Commercial Driver's License. This course covers topics in job searching, career readiness, practical living, personal values and the impact of behaviors.

(3 credits, 3 Lecture)

COMPUTER AIDED DRAFTING (CAD---)

CAD 056*
CAD I

Basic theory of CAD. Students will learn to use a computer aided drafting system to create simple to moderately complex technical drawings. (Repeatable 1 Time)

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CAD 057
CAD II

This course is a continuation of CAD I (CAD 056). Subjects including symbol libraries, block attributes, 3D design, solid modeling and slide shows are studied.

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

CAD 058
CAD Drafting Systems

This course familiarizes the student with the setup, use and features of various CAD systems. Subjects, such as operating systems, file management and customizing AutoCAD, are also studied.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CAD 059
Special Applications of CAD

Prerequisite: CAD 056 or concurrent enrollment

This course is a more in-depth study of computer-aided design. The student will explore specific architectural and civil applications of CAD and industry requirements.

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

CAD 060
3D Solid Modeling

This course is an in depth study of three-dimensional solid modeling using different computer aided design programs. The student will learn to create, view, render and plot 3D models, parts and assemblies.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CAD 061
3D Parametric Design

Prerequisite: CAD 060

This course is a study of three-dimensional parametric design and prototype creation. The student will learn to create a family of part designs using parametric modeling CAD software. Creating design prototypes will also be covered.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CAD 062*
Introduction to Solidworks

This course is a study of three-dimensional solid modeling using the Solidworks system. The student will learn to create, view, render and plot 3D models and assemblies. (Repeatable 3 Times)

Course Level Fee 1 (2 credits, 2 Lecture)

CAD 063*
Wind Energy Design

Prerequisite: CAD 057 or consent of instructor

This course is an in depth study of the mechanical design of wind turbine components. The student will learn to design, prototype, test and improve turbine blades and towers. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CAD 075*
Supervised Occupational Exp

Prerequisite: Must have completed 16 semester hours of CAD certificate program or CAD AAS degree and approval of the instructor

Designed to promote on-the-job experience in CAD technology while applying skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site. (Repeatable 2 Times)

Course Level Fee 4 (3 credits, 15 Work Based Learning)

COMPUTER AIDED DRAFTING CBE (CADC---)

CADC 056
Computer Aided Drafting I

Basic theory of CAD. Students will learn to use a computer-aided drafting system to create simple to moderately complex technical drawings. (Repeatable 1 Time)

Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

COMPUTER INFORMATION SYSTEMS (CIS---)

CIS 040*
Introduction to Computers

An operation oriented course that involves student experience using hardware, software, peripherals, operating procedures and internet. Designed for novice computer users. (Repeatable 3 Times)

Course Level Fee 1 (1 credit, 1 Lecture)

CIS 047*
Graphic Design Capstone

Prerequisite: CIS 160, CIS 098, CIS 092, CIS 088, CIS 090, CIS 051 and CIS 056

This capstone course will integrate InDesign, Illustrator, Photoshop and Web Page Design concepts. The course features a simulated work environment. Students will complete graphic design applications in print and on the web for a simulated business. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 051*
Designing for the Web

Prerequisite: CIS 099 and CIS 088 or equivalent experience

Tools, techniques, design workflow process and design theory for creating well designed, interactive websites utilizing Adobe Dreamweaver. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 053*
Wireless Networking

Prerequisite: CIS 081

An overview course of wireless LAN technologies and implementations. Course of study includes both theory and configuration of current wireless devices, details of 802.11 standards and discussions of security implementations and concerns. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 054*
PowerPoint

Introduction to the graphic presentation software PowerPoint. The basics of PowerPoint will be covered, including creating, editing and formatting slides. Adding graphic elements, animation and illustrations will also be covered. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 055*
Word

An introduction to the word processing software package Word that includes creating, editing and formatting documents. Using tables, graphics and mail merge will also be covered. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 056*
Advanced Software Applications

Prerequisite: CIS 160

Advanced instruction in an office suite program with emphasis on advanced topics in word processing, spreadsheet and presentation software. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CIS 058*
Specialized Software Applications

Students handle office activities and use career-related software, such as a computerized accounting system, desktop publishing, form management, calculator, medical scheduling and invoicing and legal document preparation. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 062*
Computer Game Development

A practical exploration of video game development using both original programming and modification of existing game code. A variety of game types will be explored and created with the focus being on understanding, exploration and creativity in the development process. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 063*
3-D Computer Animation

An overview and exploration of the different applications and techniques used in the development of 3D models for game, video and web animation. The course will explore a variety of commonly used tools and will identify their strengths and capacities. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 065*
Advanced Game Development

Prerequisite: CIS 062

An in-depth examination of the different game genres available and how to create appropriate content for each. Integration of basic programming and animation skills with more advanced topics will be discussed and developed through several individual and group projects. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 066*
Digital Video Production

An overview course discussing the development of digital video including planning and shooting, editing, titling, effects and animation, soundtrack creation and audio editing and output in DVD, video and the Web. Streaming output will also be discussed. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 067*
Advanced Digital Video Production

Prerequisite: CIS 066

Advanced training in the many aspects of video production will be covered from concept development through final editing and delivery. Emphasis is placed on preproduction skills and techniques and live action direction of talent and crew. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 068*
Computer Appl-Special Topics

Familiarizes the student with a word processing package and a spreadsheet package with emphasis on special topics pertinent to the student population. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 069*
Cross Platform Game Development

Prerequisite: CIS 063

Advanced features of modeling and animation software will be covered including architecture, character creation, texturing and animation.

Emphasis will be placed on integration of cross platform apps into the creation of an electronic game, including the use of multiple file formats for exporting and importing. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 070*
Network Security

Prerequisite: CIS 081

An overview course of security topics as it applies to a typical server-based network. Course of study includes Security+ Exam content: authentication, remote access, external attacks, intrusion detection, web and email security and disaster recovery. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 071*
Introduction to Networking

An overview of computer hardware, software, networks, Internet, web applications, systems, security and troubleshooting. To be used as an introduction to the Network Administration program or to supplement another computer-related degree. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 073*
Survey of Operating Systems

An overview study of operating systems from command line systems through 32-bit and 64-bit GUI interface operating systems. The broad exposure is appropriate for the beginner, but the depth of study also makes it appropriate for the advanced student. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 074*
IT Seminar

Corequisite: Completion of internship or concurrent enrollment

Places emphasis on the student's on-the-job experiences. Job-related aptitude tests as well as job-hunting techniques are discussed. (Repeatable 3 Times)

Course Level Fee 1 (1 credit, 1 Lecture)

CIS 079*
Client Operating System

A comprehensive examination of Client Operating Systems. Course of study includes, but is not limited to, Microsoft client operating systems. Topics include installation, configuration, optimization, administration, network integration and other support issues. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 081*
Networking Essentials

An introduction to networking technology for local area networks (LANs), wide area networks (WANs) and the internet. Designed for those seeking a career in network administration and support or those seeking professional certification. Leads toward Network+ Certification. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 084*
Server Operating Systems

Prerequisite: CIS 079

A comprehensive examination of server operating systems. Course of study includes, but is not limited to, Microsoft server

operating systems. Topics include installation, configuration, optimization, administration, network integration and other support issues. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 085*
Adv Server Operating System

Prerequisite: CIS 084

An advanced course in the design, installation, configuration, and support of a Local Area Network using the server operating systems and their tools. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 087*
TCP/IP and Routing

Prerequisite: CIS 081

An in-depth study of the TCP/IP protocol and router technology. Topics include installation, configuration, optimization, and administration of routers in an Internet, intranet or LAN environment. Troubleshooting, network integration and other support issues will also be discussed. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 088*
Adobe Photoshop

This course introduces the basics of Photoshop, an image-editing program. These basics include working with layers, selections, color adjustment, paint tools, filters and type transforming. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 089*
Advanced Routing

Prerequisite: CIS 087

An in-depth look at the components of the Routing and Switching and the tools that are used in the implementation, configuration, optimization, and troubleshooting of the LAN/WAN environment. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIS 090*
Adobe InDesign

Adobe InDesign is a graphic design/desktop publishing software used to create design layouts. Students will integrate text, graphics, photos and other elements to create documents. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 092*
Adobe Illustrator

Adobe Illustrator is the industry-leading drawing software used to create artwork that can be imported into other programs. Topics covered include creating text, drawing, transforming objects, working with layers, recoloring, graphic styles and preparing graphics for the web and print. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 093*
Access

An introduction to Microsoft Access, a database management application designed to operate in the Windows environment. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 094*
Excel

The basics of the Excel software package will be covered. This includes spreadsheet basics, formulas, functions, charting, data management and collaborative tools. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 095*
Database Management

Prerequisite: CIS 160 or instructor consent

An introduction to relational database fundamentals of planning, designing and implementation. Students will learn proper relational database design principles and SQL through hands-on coursework. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 098*
Advanced Desktop Skills

Prerequisite: CIS 088 AND CIS 090 and CIS 092

InDesign, Illustrator and Photoshop are used to create advanced desktop publishing designs. Emphasis is placed on creating your own styles, graphics and layouts. Pre-press and printing techniques are also covered. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

CIS 099*
Introduction to Web Technology

Prerequisite: Type 30 words per minute

This introductory course teaches web page design principles, including proper use of HTML5 and CSS3 and introductory JavaScript. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CIS 101*
Internet Systems and Applications

An introduction to networking basics through the internet. Students will learn about internet services, etiquette, searches, email and other internet skills. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Lecture)

CIS 156*
Computer Logic

This course is an introduction to basic computer programming terms and concepts. JavaScript is used to illustrate variables, conditional statements, functions, loops and arrays. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CIS 160*
Practical Software Applications
IAI BUS 902

Provides an opportunity for students to learn computer concepts and to use word processing, spreadsheet, database management and presentation software. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CIS 162*
Object-Oriented Programming I

Prerequisite: CIS 156 or consent of instructor

This course teaches the fundamentals of object-oriented programming. It builds on the concepts of data types, functions, arrays, programming structures and debugging from CIS 156 Computer Logic while introducing classes, objects, encapsulation and modular design using the C# language. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CIS 164*
Object-Oriented Programming II

Prerequisite: MAT 160

This course teaches advanced concepts in object-oriented programming. Topics include polymorphism, inheritance, managing data files, debugging, exception handling and web-based applications. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

COMPUTER INTEGRATED MANUF (CIM---)

CIM 044*
Industrial Robotics

A comprehensive study of industrial robotics used in computer integrated manufacturing systems. Some areas of study include history, classification, tooling, sensors, safety and justification of robotic systems. The student will learn robotics related to manufacturing, and fundamental robotic programming. (Repeatable 3 Times)

(2 credits, 2 Lecture)

CIM 060
CNC Machining

Prerequisite: MTT 050 and CAD 056 or concurrent enrollment

Introduction to computer numerical controlled (CNC) machine tool operation, programming and processes. Manual and computer assisted part programming with machine tool verification.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIM 075*
Supervised Occupational Experience

Prerequisite: Must have completed 12 semester hours of CNC Certificate Program

Designed to promote on-the-job experience in CNC technology while applying skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site. (Repeatable 3 Times)

(3 credits, 15 Lab/Lab-Discussion)

CIM 092
Computer-Aided Manufacturing

Prerequisite: CIM 060 and CAD 056

An introduction to the use of a CAD/CAM system. Student will learn to use a computer for design and to automatically create programs to control manufacturing equipment.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIM 094
Computer Integrated Manf

Prerequisite: CIM 092 and CIM 044

An introduction to Computer Integrated Manufacturing. Student will learn to setup, program and troubleshoot a CIM system. This is the final course in the Automation and Robotics degree program.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

COSMETOLOGY (COS---)

COS 040
Cosmetology Theory I

Corequisite: COS 041 and COS 042

Students learn theory in infection control, hair/scalp science, hair styling principles, and manicuring. Emphasis is placed on safe and effective preparation for salon services, including sanitation, scalp/hair analysis, disease/disorder recognition, hairstyling and nail care in preparation for lab/clinic application.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 041
Fundamental Hair Services

Corequisite: COS 040 and COS 042

This theory-based course introduces the foundations of haircutting, hair shaping, braiding and product knowledge. Students will explore terminology, design principles, sanitation practices and client consultation techniques. This knowledge prepares students for practical application in the laboratory and clinical environment.

Course Level Fee 2 (2 credits, 2 Lecture)

COS 042
Cosmetology Lab I

Corequisite: COS 040 and COS 041

Supervised hands-on training in salon practices, reinforcing theoretical knowledge. Perform infection control and safety procedures, practice hair/scalp analysis services, demonstrate client preparation and apply hairstyling/hairshaping and manicuring techniques. Develop professional skills, build confidence and prepare for a real-world salon environment.

Course Level Fee 3 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

COS 043
Cosmetology Theory II

Prerequisite: COS 040, COS 041 and COS 042

Corequisite: COS 044 and COS 045

This in-depth study encompasses the structure, functions, disorders and treatments of the skin/nails, as well as professional hair removal and pedicuring services. Recognizing diseases/disorders, practicing safe sanitation and applying theoretical knowledge to client consultation and professional service preparation are covered.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 044
Foundations of Haircolor

Prerequisite: COS 040, COS 041 and COS 042

Corequisite: COS 043 and COS 045

Students cover foundations of hair color theory, science of color, hair structure, chemistry, formulation and applications. Explore color theory principles, product knowledge, client consultation and corrective color. Emphasis is placed on theoretical understanding and preparation for laboratory services.

Course Level Fee 2 (2 credits, 2 Lecture)

COS 045
Cosmetology Lab II

Prerequisite: COS 040, COS 041 and COS 042

Corequisite: COS 043 and COS 044

Hands-on practice in essential cosmetology services. Emphasis on pedicures, temporary hair removal and basic hair color services. Introduction to foiling techniques covered and basic color corrective strategies. This lab course builds on the essential skills taught in Cosmetology Lab I.

Course Level Fee 3 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

COS 050
Cosmetology I

This course focuses on professional rules and regulations, shampooing, basic chemistry, hair shaping, bacteriology, facials, scalp treatments, sanitation and safety for students and clients.

Course Level Fee 2 (6 credits, 3 Lecture, 15 Clinical Hours)

COS 052
Cosmetology II

Prerequisite: COS 050

This course focuses on thermal designing, permanent waving, manicuring, pedicuring, make-up techniques and hair coloring.

Course Level Fee 2 (6 credits, 3 Lecture, 15 Clinical Hours)

COS 054
Cosmetology III

Prerequisite: COS 050 and COS 052

This course consists of advanced hair coloring, decolorizing, hair styling, superfluous hair, artificial nails, pH chemistry and chemical relaxing.

Course Level Fee 2 (6 credits, 3 Lecture, 15 Clinical Hours)

COS 056
Cosmetology IV

Prerequisite: COS 050, COS 052 and COS 054

This course focuses on nail structure, including disorders and diseases, dermatology, disorders of the skin and scalp, electricity, artificial hair and advanced chemistry.

Course Level Fee 2 (7 credits, 4 Lecture, 15 Clinical Hours)

COS 058
Cosmetology V

Prerequisite: COS 050, COS 052, COS 054 and COS 056

This course is a study of basic anatomy and the related areas; also retailing, job marketing skills and student-salon internship.

Course Level Fee 2 (7 credits, 4 Lecture, 15 Clinical Hours)

COS 059
Cosmetology Clinic

Prerequisite: COS 050, COS 052, COS 054, COS 056 and COS 058

Designed for Lake Land College Cosmetology students who have not completed the state required 1500 hours during the regular modules.

Course Level Fee 4 (Variable Credit 0.5/3 credits, 9 Clinical Hours)

COS 060
Salon Management

Covers areas of opportunity and the outlook for small business managers, success and failure patterns, capital needs and sources, organizing, directing, controlling, finance, locations, facilities, marketing and inventory control.

(3 credits, 3 Lecture)

COS 061
Computer Appl for Cosmetology

Provides an opportunity for the student to work with various types of software. These learning activities include file management, email, word processing, spreadsheet, presentation and cosmetology specific software.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 062
Cosmetology Theory III

Prerequisite: COS 043, COS 044 and COS 045

Corequisite: COS 063 and COS 064

Core specific principles and applied theory related to body systems, electricity and chemical processes that impact skin, hair and scalp services are covered. Develop foundational understanding of anatomy and physiology, safe use of electricity and facial services.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 063
Cosmetology Career Planning

Prerequisite: COS 043, COS 044 and COS 045

Corequisite: COS 062 and COS 064

Professional cosmetology, personal growth and communication are covered. Students explore historical evolution of beauty culture, develop life skills and learn techniques for building a positive professional image. Covering wellness, ergonomics and interpersonal communication strategies vital for success in salon environments.

Course Level Fee 2 (2 credits, 2 Lecture)

COS 064
Cosmetology Lab III

Prerequisite: COS 043, COS 044 and COS 045

Corequisite: COS 062 and COS 063

Students will perform advanced techniques on mannequins and live models, covering chemical texture services, advanced cutting and styling and facial treatments and incorporating electrical safety measures. Supervised salon lab operations, simulating real-world client services, is practiced.

Course Level Fee 3 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

COS 070
Cosmetology Theory IV

Prerequisite: COS 062, COS 063 and COS 064

Corequisite: COS 071 and COS 072

This course provides theoretical knowledge of advanced nail enhancements, makeup artistry and the use of wigs and extensions in salon services. Explore resin, liquid-powder and light-cured gel extension techniques. Emphasis is placed on safety, sanitation, product chemistry and client consultation.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 071
Salon Management and Marketing

Prerequisite: COS 062, COS 063 and COS 064

Corequisite: COS 070 and COS 072

Exploration of professional and business skills for success in the beauty industry, including career preparation, employment readiness, workplace professionalism, customer service, salon operations and marketing strategies. Emphasis on personal branding, client retention systems, managing finances and ethical business practices.

Course Level Fee 2 (2 credits, 2 Lecture)

COS 072
Cosmetology Lab IV

Prerequisite: COS 062, COS 063 and COS 064

Corequisite: COS 070 and COS 071

Advanced lab provides hands-on training specialized in gel, liquid & powder and resin extension systems. Developing skills in makeup artistry, advanced color practices and wet styling. Refining previously learned hands-on material while providing supervised salon services in a lab setting.

Course Level Fee 3 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

COS 076
Cosmetology Teacher I

Prerequisite: Current Illinois Cosmetology License

This course is designed to develop basic cosmetology teaching skills; a study of basic theory and fundamental principles of teaching.

Course Level Fee 2 (6 credits, 3 Lecture, 9 Clinical Hours)

COS 077
Cosmetology Teacher II

Prerequisite: Current Illinois Cosmetology License and COS 076

This course provides supervised student teaching; preparation and presentations of lesson plans, evaluation of subject matter, business procedures related to the operation of a cosmetology school.

Course Level Fee 2 (6 credits, 3 Lecture, 9 Clinical Hours)

COS 078
Cosmetology Teacher III

Prerequisite: Current Illinois Cosmetology License and COS 076 and COS 077

This course is a continuation of presenting various educational methods: testing student and completing a teaching portfolio.

Course Level Fee 2 (5 credits, 3 Lecture, 4 Clinical Hours)

COS 085
Cosmetology Theory V

Prerequisite: COS 070, COS 071 and COS 072

Corequisite: COS 086 and COS 087

This course provides a comprehensive review of Illinois Cosmetology Act, Rules and Regulations. Emphasizing legal responsibilities, licensure requirements and professional ethics. Students will engage in a comprehensive review of the curriculum and prepare for the Illinois State Board written exam.

Course Level Fee 2 (3 credits, 3 Lecture)

COS 086
Advanced Hair Services Lab

Prerequisite: COS 070, COS 071 and COS 072

Corequisite: COS 085 and COS 087

This advanced lab course provides hands-on training in advanced haircutting/haircoloring services focusing on precision techniques, creative color design, corrective color processes and modern salon trends. Refining technical accuracy, speed and client consultation skills through advanced real-world applications.

Course Level Fee 3 (2 credits, 0 Lecture, 4 Lab/Lab-Discussion)

COS 087
Cosmetology Lab V

Prerequisite: COS 070, COS 071 and COS 072

Corequisite: COS 085 and COS 086

Students perform hands-on services in a salon setting and complete comprehensive review and practical evaluation of all skills required for licensure in Illinois. Emphasis is placed on professional readiness, technical precision, speed, client relations, sanitation and overall salon management practices.

Course Level Fee 3 (5 credits, 0 Lecture, 11 Lab/Lab-Discussion)

COURT REPORTING (CRT---)

CRT 040*
Speedbuilding I

Prerequisite: Complete CRT 047 with a grade of "C" or better

Students perfect foundational real-time writing skills and establish keyboard mastery through practice of finger drills and sentence drills involving high-frequency words and phrases. Introduces students to literary material. Students practice at speeds up to 80 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 041*
Speedbuilding I Lab

Students perfect foundational real-time writing skills and establish keyboard mastery through practice of finger drills and sentence drills involving high-frequency words and phrases. Introduces students to literary material. Students practice at speeds up to 80 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 043*
Intro to Court Reporting/CART

Comprehensive survey of the field of court reporting. Examination of history of reporting, equipment needs and technological trends, role of working reporter within legal system, business environment and educational system.

(1 credit, 1 Lecture)

CRT 045*
Speedbuilding II

Prerequisite: CRT 040

Introduces students to jury charge and two-voice material. Writing fluency continues to be the focus as students practice at speeds ranging from 80-120 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 046*
Speedbuilding II Lab

Introduces students to jury charge and two-voice material. Writing fluency continues to be the focus as students practice at speeds ranging from 80-120 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 047*
Machine Shorthand Theory

A beginning course in machine shorthand theory. Students will receive instruction in real-time, conflict-free writing for court reporters, captioners and CART providers. (Repeatable 3 Times)

(4 credits, 4 Lecture)

CRT 050*
Speedbuilding III

Prerequisite: CRT 045

Continued focus on concentration and fluency as students practice at speeds from 110-130 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 051*
Speedbuilding III Lab

Continued practice on concentration and fluency as students practice at speeds from 110-130 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 055*
Speedbuilding IV

Prerequisite: CRT 055

Continued exposure to material experienced daily by reporters. Continued focus on concentration, fluency and advanced theory principles as students practice at speeds from 130-150 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 056*
Speedbuilding IV Lab

Continued exposure to material experienced daily by reporters. Continued practice on concentration, fluency and advanced theory principles as students practice at speeds from 130-150 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 060*
Speedbuilding V

Prerequisite: CRT 055

Continued student exposure to material experienced daily by reporters. Continued focus on concentration, fluency and advanced theory principles as students practice at speeds from 150-170 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 061*
Speedbuilding V Lab

Continued student exposure to material experienced daily by reporters. Continued practice on concentration, fluency and advanced theory principles as students practice at speeds from 150-170 wpm. (Repeatable 3 Times)

0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 065*
Speedbuilding VI

Prerequisite: CRT 060

Continued exposure to material experienced daily by reporters. Continued focus on concentration, fluency and advanced theory principles as students practice at speeds from 160-200 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 066*
Speedbuilding VI Lab

Continued exposure to material experienced daily by reporters. Continued practice on concentration, fluency and advanced theory principles as students practice at speeds from 160-200 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 067
Court Reporting Comm I

Study of basic rules of English grammar as they apply to the production of transcripts of the spoken word in the reporting field.

(3 credits, 3 Lecture)

CRT 068*
Court Reporting Comm II

Focuses on applying proofreading and editing skills to transcripts. Increases accuracy of editing with regard to placement of punctuation marks and spelling. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 070*
Speedbuilding VII

Prerequisite: CRT 065

Continued exposure to material experienced daily by reporters. Continued focus on concentration, fluency and advanced theory principles as students practice at speeds from 180-225 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 071*
Speedbuilding VII Lab

Continued exposure to material experienced daily by reporters. Continued practice on concentration, fluency and advanced theory principles as students practice at speeds from 180-225 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 072*
Courtroom Procedures & Technology

Focuses on the role of the official and freelance reporter, including communication skills, professional image, confidentiality of proceedings, preparation of deposition/court transcripts, deadlines, marking and handling exhibits, storing notes, reporting techniques and ethics, including NCRA Code of Ethics. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

CRT 075*
Speedbuilding VIII

Prerequisite: CRT 070

Continued student exposure to material experienced daily by reporters with focus on medical testimony. Continued focus on concentration, fluency and advanced theory principles as students practice speeds from 200-240 wpm. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 076*
Speedbuilding VIII Lab

Continued student exposure to material experienced daily by reporters with focus on medical testimony. Continued practice on concentration, fluency and advanced theory principles as students practice speeds from 200-240 wpm. (Repeatable 3 Times)

(0.5 credits, 0.5 Lab/Lab-Discussion)

CRT 083*
Court Reporting Internship

Prerequisite: CRT 070

Provides students with an opportunity to observe, apply knowledge and gain experience writing. Number of hours of actual writing time varies by specialization. Students will write under the supervision of a practicing reporter using machine steno technology.

(1 credit, 1 Work Based Learning)

CRT 084*
Medical & Legal Terminology I

A court reporter's course in medical terminology that covers medical word parts, going over primary terms, then reviewing structure and functions of the body systems. Legal terminology gives knowledge and understanding of commonly used words in a courtroom. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRT 085
Medical & Legal Terminology II

A court reporter's course in medical terminology that covers medical word parts, going over primary terms, then reviewing structure and functions of the body systems. Legal terminology gives knowledge and understanding of commonly used words in a courtroom.

(3 credits, 3 Lecture)

CRT 090*
Exam Preparation

Prerequisite: CRT 060

Preparation for licensure exam by reviewing grammar, vocabulary, technology and practice on skill test. (Repeatable 3 Times)

(3 credits, 3 Lecture)

CRIMINAL JUSTICE/LAW ENFORCEMENT (CJS---)

CJS 054
Correction Officer/Cycle Trng

Cycle training consists of 40 clock hours of mandatory refresher topics provided by the Department of Corrections. Topics may include: review of administration directives, first aid & safety, security, report writing and legal issues, substance abuse and other related topics.

(2.5 credits, 2.5 Lecture)

CJS 064
Spec Prob in Law Enforcement

This course focuses on controversial issues facing the criminal justice and correctional systems, such as corruption, brutality, politics, crime prevention, high-risk situations, hostage negotiations, protective custody and many others.

(4 credits, 4 Lecture)

CJS 071
Orientation to Corrections

A study of the history of corrections, criminal law, rights of the convicted offender, types of detentions, correctional management, release from prison and juvenile corrections.

(3 credits, 3 Lecture)

CJS 081
Police Report Writing

This course provides an understanding of the fundamental principles of good writing and effective police reporting by developing a practical, basic understanding to the types of reports and forms commonly used in the field of criminal justice.

(2 credits, 2 Lecture)

CJS 089
Police Operations

This course focuses on the duties and responsibilities of the patrol officer. Topics covered will include routine patrol, traffic enforcement and officer survival.

(3 credits, 3 Lecture)

CJS 092
Police Management & Supervision

This course focuses on organizational and managerial roles in law enforcement. Emphasis is placed on organizational structure, administrative procedures and enforcement responsibilities.

(3 credits, 3 Lecture)

CJS 093
Basic Crime Scene Investigation

Focuses on the basic understanding of physical evidence search, collection and processing. Emphasis will be placed on documentation and analysis.

(3 credits, 3 Lecture)

CJS 094
Advanced Crime Scene Investigation

Prerequisite: CJS 093 and CJS 096

Focuses on the application of crime scene search, processing and collection techniques taught in Basic Crime Scene Investigation. Emphasis is placed on the demonstration of knowledge of crime scene investigation through scene examination and processing.

Course Level Fee 2 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

CJS 095
Crime Scene Reconstruction

Prerequisite: CJS 093, CJS 094 and CJS 096

This course focuses on the study and application of the scientific method to crime scene reconstruction, using bloodstain pattern analysis and bullet trajectory analysis.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CJS 096
Forensic Photography

Focuses on the strategies and techniques of documenting a crime scene with the use of a camera and digital image processing software. Emphasis will be placed on understanding the exposure triangle.

(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CJS 104*
Crim Justice Internship I

Prerequisite: Sophomore standing; 12 credit hours of CJS classes.

Students will complete an orientation, interview and resume and be assigned to an off-campus criminal justice agency to observe the field. Open to criminal justice majors only. Subject to internship coordinator and agency approval, including background check. (Repeatable 3 Times)

Course Level Fee 3 (1 credit, 1 Work Based Learning)

CJS 105*
Crim Justice Internship II

Prerequisite: Sophomore standing; 12 credit hours of CJS classes.

Students will complete an orientation, interview and resume and be assigned to an off-campus criminal justice agency to observe the field. Open to criminal justice majors only. Subject to internship coordinator and agency approval, including background check. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 2 Work Based Learning)

CJS 106*
Crim Justice Internship III

Prerequisite: Sophomore standing; 12 credit hours of CJS classes.

Students will complete an orientation, interview and resume and be assigned to an off-campus criminal justice agency to observe the field. Open to criminal justice majors only. Subject to internship coordinator and agency approval, including background check. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Work Based Learning)

CJS 150
Intro/Criminal Just

IAI CRJ 901

Focuses on an overview of the justice system with emphasis on the total system of police, courts, and corrections.

(3 credits, 3 Lecture)

CJS 151
Intro to Policing

This course provides an introduction to the police profession by examining the history of policing, the mental and physical requirements for a police officer and police operational issues. Consideration is also given to current policing trends.

(3 credits, 3 Lecture)

CJS 152
Criminal Investigation I

Focuses on the fundamentals of investigation, crime scene applications and investigative techniques and procedures. Upon completion of this course, the student will understand the theory and practicality of investigation from crime scene to courtroom.

(3 credits, 3 Lecture)

CJS 156
Criminal Law

A study of the concept of social order, examining criminal law. Crime is defined and examined as is criminal responsibility, mental state, physical act and other fundamental legal doctrines.

(3 credits, 3 Lecture)

CJS 158
Juvenile Justice

IAI CRJ 914

This course is designed to familiarize the student with development and trends in the juvenile justice system. It includes delinquency prevention, causation of juvenile crime and treatment and control of the juvenile delinquent.

(3 credits, 3 Lecture)

CJS 160
Criminal Evidence and Procedure

Prerequisite: CJS 150

Focuses on the application of Constitutional law. Procedural responsibilities of the police as they apply to the constitutional rights of the individual will be emphasized.

(3 credits, 3 Lecture)

CJS 166
Corrections

IAI CRJ 911

Enables the student to develop an understanding of the current problems in correctional institutions. Sentencing trends, alternatives to incarceration, inmate life of population and their effects on the system will be examined.

(3 credits, 3 Lecture)

CJS 200
Liability in Criminal Justice

This course explores civil and criminal liability within the criminal justice system. Areas prone to liability are examined, and best practices that minimize those liabilities are discussed.

(3 credits, 3 Lecture)

CJS 210
Community Policing

This course examines the relationship between police and the community and provides information on how to strengthen that relationship. Strategies for effective community policing are examined.

(3 credits, 3 Lecture)

CJS 245
Ethics in Criminal Justice

This course analyzes various aspects of ethics in the criminal justice system, including the police, the court system, and the correctional system.

(3 credits, 3 Lecture)

CJS 249
Crime Prevention

This course covers crime prevention programs that can be implemented by police departments, citizens and other community stakeholders.

(3 credits, 3 Lecture)

CJS 250
Criminology

This course analyzes criminological theories. Crime in relation to physical and psychological factors, to cultural areas, to the family and to other social institutions will be examined. Consideration is given to professional crime and white-collar crime.

(3 credits, 3 Lecture)

CRIMINOLOGY SECURITY STUDIES (CSS---)

CSS 150
Intro to Private Security

This course covers the development, role, responsibility, limitations and liabilities of the private security industry. It covers the importance private security professionals building relationships with law enforcement and representatives of the legal system.

(3 credits, 3 Lecture)

CSS 151
Intro to Loss Prevention

This course covers issues related to internal and external theft that affect all private and public operations with focus on retail businesses. Examines and evaluates major loss prevention programs used by security operations and retail security.

(3 credits, 3 Lecture)

CSS 230
School and Campus Security

This course explores risk management and emergency management protocols, threat assessment process, and crisis/recovery measures in schools. It explores preparedness for managing everyday security issues in schools while planning for high-impact scenarios, including terrorism and active-shooter and mass-casualty incidents.

(3 credits, 3 Lecture)

CSS 231
Institutional & Industrial Security

Emphasizes prevention of security problems and the promotion and observance of effective security measures to protect lives, property and proprietary information.

(3 credits, 3 Lecture)

DENTAL HYGIENE (DHY---)

DHY 043
Dental Hygiene Board Review

Prerequisite: Admission into the Dental Hygiene Program

Generalized review of dental hygiene curriculum that helps to prepare the student to take the National Dental Hygiene Board Examination.

Course Level Fee 1 (1 credit, 1 Lecture)

DHY 045
Radiology

Prerequisite: Admission into the Dental Hygiene Program.

This course is designed to include the principles and biological effects of radiation in addition to safety measures used in dental radiology. Basic dental imaging principles and techniques will be stressed for dental hygiene interpretation.

Course Level Fee 4 (3 credits, 2 Lecture, 3 Clinical Hours)

DHY 050
Ethics and Jurisprudence

Prerequisite: DHY 087

This course is designed to give insight into the applications of dental hygiene practice. The development of professionalism, the Illinois Dental Practice Act, ethical principles, jurisprudence and the organization of the American Dental Hygienists Association are topics that will be discussed.

(1.5 credits, 1.5 Lecture)

DHY 066*
Dental Histology & Embryology

This course is designed to increase the student's knowledge of the early embryonic development of the face and oral cavity and the process of tooth development. Included is the study of the microscopic structure of the tissues of the dentition and its supporting structures. (Repeatable 1 Time)

Course Level Fee 2 (2 credits, 2 Lecture)

DHY 067
Dental Anatomy

Prerequisite: Admission into Dental Hygiene Program

This course is designed to provide the student with thorough knowledge of basic dental and anatomical terminology, primary and permanent dentition morphology, occlusion, dental anomalies and periodontal anatomy.

Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

DHY 068
Dental Hygiene I

Prerequisite: Admission into Dental Hygiene Program

This course is designed to acquaint the beginning dental hygiene student with the duties and responsibilities in the clinical aspect of the profession and the role the hygienist plays in today's health.

(3 credits, 3 Lecture)

DHY 069
Pre-Clinic Hyg I

Prerequisite: Admission into Dental Hygiene Program

An introduction to the duties and basic skills the dental hygienist uses in daily clinical practice.

Course Level Fee 4 (3 credits, 6 Lab/Lab-Discussion)

DHY 071
Dental Hygiene II

Prerequisite: DHY 068

This course is a continuation of Dental Hygiene I, advanced instrumentation and evaluation of the patient's oral health are given greater attention. An introduction to emergencies in the dental office and continuation of preventive dentistry and patient education are included.

(3 credits, 3 Lecture)

DHY 072
Preclinical Hygiene II

Prerequisite: DHY 069

This course is a continuation of the development of clinical skills. Emphasis will be placed on prevention through patient education. The student will provide treatment for live patients.

Course Level Fee 4 (2.5 credits, 8 Clinical Hours)

DHY 080
Pathology

Prerequisite: Admission into the Dental Hygiene Program

This course gives a brief insight into general principles of pathology with a heavy emphasis on the specifics of oral pathology. Terminology will be taught in addition to a description of oral diseases, lesions and their treatment and immunologic factors.

(3 credits, 3 Lecture)

DHY 081
Periodontology

Prerequisite: DHY 071

This course focuses on the clinical aspects of the different forms of periodontal disease, philosophy of treatment, role of the dental hygienist in patient education for the prevention of periodontal problems and chairside management of these pathological conditions.

(3 credits, 3 Lecture)

DHY 083
Clinic I

Prerequisite: DHY 072

This course requires a student to perform, under supervision, a specific number of oral prophylaxis procedures on a variety of patients. Some advanced skills will be introduced, and experience is gained in sterilization and reception responsibilities.

Course Level Fee 4 (3 credits, 9 Clinical Hours)

DHY 085
Nutrition for the Dental Hygienist

Prerequisite: Admission into the Dental Hygiene Program

General nutrition and nutritional biochemistry, emphasizing the effect nutrition has on oral health.

(2 credits, 2 Lecture)

DHY 086
Pharmacology

Prerequisite: Admission into the Dental Hygiene Program

This course focuses on the study of drugs affecting the practice of dentistry.

(2 credits, 2 Lecture)

DHY 087
Special Care Populations

Prerequisite: Admission into the Dental Hygiene Program

This course provides for continuing advancement in further assessment, diagnosis, planning, implementing, evaluating and documenting for individuals with special needs.

(2 credits, 2 Lecture)

DHY 088
Clinic II

Prerequisite: DHY 083

This course is designed to improve the clinical skills of the dental hygiene students. This includes adapting to a variety of clinical procedures, care planning and interventions. Focus is on total assessment of individual patient's needs.

Course Level Fee 4 (4 credits, 12 Clinical Hours)

DHY 089
Dental Materials

Prerequisite: Admission into the Dental Hygiene Program.

This course is a comprehensive study of the science of dental materials and their application in dental hygiene.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

DHY 091*
Pain Management

Prerequisite: Admission into the Dental Hygiene Program.

This course is designed to provide the dental hygiene student with the skills to manage patient discomfort. This includes topical anesthesia, local anesthesia and nitrous oxide analgesia during dental hygiene services. This course complies with the Illinois Dental Practice Act. (Repeatable 1 Time)

Course Level Fee 3 (2 credits, 1 Lecture, 3 Clinical Hours)

DHY 092
Dental Public Health

Prerequisite: Admission into the Dental Hygiene Program

This course is designed to apply the dental hygiene process of care (assessment, diagnosis, planning, implementation, and evaluation) learned in DHY 096 to the clients of the extended care facilities and to the students of the schools receiving the dental health presentations during Dental Health Month.

Course Level Fee 3 (1 credit, 3 Lab/Lab-Discussion)

DHY 094
Clinic III

Prerequisite: DHY 088

This course provides continued advancement of clinical skills. Students will apply evidence-based knowledge and understanding of the basic and clinical science to recognize oral conditions, prevent oral disease and provide effectively clinical and instructional procedures per patient. This course continues to focus on practicing safe and efficient clinical routines for the application of standard precautions for infection control.

Course Level Fee 4 (4 credits, 12 Clinical Hours)

DHY 096
Community Dental Health

Prerequisite: Admission into the Dental Hygiene Program

This course provides a study of the principles and methods in assessing, planning, implementing and evaluating community dental health programs. Topics include epidemiology, research methodology, biostatistics, preventative dental care, dental health education, program planning, financing and utilization of dental services.

(1.5 credits, 1.5 Lecture)

DHY 097
Head & Neck Anatomy

Prerequisite: DHY 067 and BIO 225

Study of structure and function of head and neck. General anatomy of skull, related muscles, vascular and nerve supply and lymphatics of region are considered. Focused on muscles of mastication and their relationship to the temporomandibular joint and facial and trigeminal nerves and their relationships to dental injections.

(2 credits, 2 Lecture)

DHY 098
Transition to a RDH

Prerequisite: DHY 088

This course examines the various issues dental hygienists face when making the transition from school to the workplace. It will focus on the different aspects of obtaining a license and seeking employment including creating employment documents, interviewing and mentorship opportunities.

(1.5 credits, 1.5 Lecture)

EARLY CHILDHOOD EDUCATION (ECE---)

ECE 051
Infant/Toddler Environment

This courses emphasizes the characteristics of high quality infant/toddler caregivers, curriculum, indoor/outdoor space and play equipment/toys vital for developmental learning. Course requirements include 20 hours of hands-on practicum in a community setting.

Course Level Fee 3 (3 credits, 3 Lecture)

ECE 081
Early Childhood Clinical

Prerequisite: ECE 100 or approval by program coordinator

This course provides students experience in preparing and implementing developmentally appropriate activities. Students gain understanding of classroom management techniques and areas of focus when planning. The course includes 30 hours of practical experience in an approved child care facility.

Course Level Fee 3 (1 credit, 2 Lab/Lab-Discussion)

ECE 083
Instructional Methods

This course enables students to do total program planning consistent with the developmental needs of children.

Course Level Fee 1 (3 credits, 3 Lecture)

ECE 086
Nanny/Family Relations

Focuses on specific responsibilities of the nanny as a profession, as well as interpersonal relationships and personal adjustment within the live-in family setting.

(2 credits, 2 Lecture)

ECE 087
Organization/Mgt of Preschools

This course focuses on state rules and regulations for operating a licensed child care facility. Room layout of an efficient facility, arrangement of outside playground areas and the selection of furniture and equipment will also be discussed.

(3 credits, 3 Lecture)

ECE 095
Creative Activities for Children

This course provides students an understanding of the value of and practical experience in preparing creative activities and experiences for children. The student is given many opportunities to explore, develop and appreciate various types of creative media for preschool children.

Course Level Fee 3 (4 credits, 4 Lecture)

ECE 100
Intro to Early Childhood Educ

This course focuses on an overview of early childhood care and education that includes basic values, professional disposition, program operation, historical influences, assessment and structure. Includes 20 hours of practicum.

Course Level Fee 3 (3 credits, 3 Lecture)

ECE 102
Health/Safety/Nutri/Yng Child

This course focuses on the health, safety and nutritional needs of children in group settings as well as the personal health of the individual. Emphasis is placed on preventive health through education and the development of healthy habits.

Course Level Fee 1 (3 credits, 3 Lecture)

ECE 110
Child Behavior Management

This course focuses on the use of positive redirective techniques in shaping behavior so children can learn self-discipline and self-control. Observation of discipline problems and analysis of procedures are required of the student.

(3 credits, 3 Lecture)

ECE 120
Field Experience Seminar

Prerequisite: Mod prior to ECE 125 or approval of program coordinator

This course prepares the student for the Field Experience practicum (ECE 125) and includes preparation of credentials for seeking employment.

(1 redits, 1 Lecture)

ECE 125
Field Experience

Prerequisite: Enrolled in ECE 120 and approval by program coordinator. A "C" average in ECE and EDU prefix courses is required.

Supervised practicum designed for Early Childhood and Child & Family Services and Paraprofessional Education majors to provide on-the-job experience. Practicum will include application of program and classroom management skills, managing daily routines, curriculum development,agency policies and regulations and enhancement of family involvement.

Course Level Fee 3 (Variable Credit 0.5/4 credits, 20 Work Based Learning)

EARTH SCIENCE (ESC---)

ESC 100
Physical Geology

IAI P1 907L

Physical geology stresses the basic geologic concepts and processes that are responsible for creating and shaping the Earth. Topics covered include: rocks, minerals, volcanoes, earthquakes, stream erosion, wind erosion, glaciers groundwater, Earth interior, plate tectonics and gravity.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

ESC 102
Weather and Climate

IAI P1 905L

This course emphasizes the dynamics of the atmosphere, focusing on atmospheric evolution, seasonal controls of climate, human impacts, atmospheric humidity, air pressure, severe weather and climate classification. Extensive use of internet resources and software will be required for this course.

Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

ESC 104
Physical Geography
IAI P1 909L
Stresses the physical environment of the Earth. Emphasis is placed upon basic concepts in geography with a focus on the biosphere, lithosphere, atmosphere and hydrosphere. Extensive use of internet resources and software will be required for this course.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

ECONOMICS (ECO---)

ECO 130
The American Economy
Combines macroeconomics and microeconomics and focuses on basic supply and demand analysis, national income accounting, business cycles, inflation, unemployment types and structure of competition, fiscal and monetary policy and international economic problems.
(3 credits, 3 Lecture)

ECO 231
Principles of Economics I (Macro)
IAI S3 901
Focuses on the nature and method of economics, basic supply and demand analysis, national income accounting, business cycles, inflation and unemployment, fiscal policy, money and banking and monetary policy.
(3 credits, 3 Lecture)

ECO 232
Principles of Economics II (Micro)
IAI S3 902
Prerequisite: ECO 231
Focuses on free enterprise and the economic functions of government, advanced supply and demand analysis, pricing in competitive/non-competitive markets and pricing in resource markets.
(3 credits, 3 Lecture)

EDUCATION (EDU---)

EDU 100
Introduction to Education
An overview of the American education system. Social, historical and philosophical foundations give perspective to an examination of current issues, policies and trends in the field of education, including cultural diversity. A 30-hour practical lab is required for this course.
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EDU 103
Teaching/Learning W/Technology
Prerequisite: CIS 040 or HS computer application class
This course features practical ways to use various types of technology for the K-12 classroom teacher. This is a basic course in microcomputers, their operation and their utilization in K-12 classrooms. (Repeatable 3 Times)
Course Level Fee 2 (3 credits, 3 Lecture)

EDU 190
Introduction/Special Education
This course is designed to introduce the student to the study of exceptional children, including a survey of the child's developmental traits and examination of appropriate intervention techniques.
(3 credits, 3 Lecture)

EDU 200
Educational Psychology
The application of psychology principles to education. Special emphasis on understanding growth and development, the learning process, motivation, intelligence, evaluation, measurement, creativity and the impact of culture on learning styles.
(3 credits, 3 Lecture)

EDU 210
Diversity in Schools and Societies
This course is a study of how schooling is shaped by and ought to respond to the social contexts in which it occurs, particularly in multicultural and global contexts.
(3 credits, 3 Lecture)

ELECTRONIC ENGINEERING TECH (EET---)

EET 040
Applied D.C. Circuits
Develops an understanding of the basic DC electricity concepts such as voltage, current, resistance, power and energy. The course covers resistive circuits through series-parallel circuits. Laboratory work includes use of analog and digital meters and circuit construction.
Course Level Fee 1 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

EET 045
Active Devices
Fundamentals of basic solid state components through the most common and popular devices and their applications are presented.
Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

EET 048
Digital Circuits
Prerequisite: EET 076
Applications of digital circuits and devices to consumer products. Advanced application or digital logic fundamentals in design operation of digital circuits and systems.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 050
Applied A.C. Circuits
Prerequisite: EET 040 with minimum grade of "C"
Introduces the student to the sin wave and the relative parameters such as frequency, period, rms and ave values. Capacitance and inductance are introduced and their effect in sin wave circuits are studied. Lab work includes familiarization with the oscilloscope.
Course Level Fee 1 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

EET 052
Solid State Circuits
Prerequisite: EET 050
Study of basic solid state devices and associated circuits. Devices included will be general purpose diodes, zener diodes, bipolar junction transistors and field effect transistors. Integrated circuits will be introduced. Circuit applications will include rectifiers, transistors, switching circuits and linear amplifiers.
Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

EET 053*
A+ Technician Preparation
Prerequisite: EET 060
Preparation for the Computing Technology Industry Association A+ Operating Systems. This course is designed to cover the Operating System Component of the A+ Exam. Some of the topics discussed are Operating Systems, System Administration Tools, Network Management and System Maintenance. (Repeatable 3 Times)
Course Level Fee 2 (2 credits, 2 Lecture)

EET 056
Electronic Circuit Design/Fabrication
Drafting and fabrication techniques are involved in the design of printed circuit boards. Drafting, PC board layout, fabrication, soldering, desoldering and construction of electronic projects. The use of industry-quality, computer-aided drafting equipment will be used in several phases.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 057
Computer Systems
This course is designed to provide a technical foundation for system design, systems implementation, hardware and software procurement and computing resource management.
(3 credits, 3 Lecture)

EET 060
Computer Hardware
This course is designed to teach the fundamentals of computer hardware and give students hands-on experience in assembling, upgrading and troubleshooting basic computer systems and hardware.
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 061*
Advanced Computer Hardware
Prerequisite: EET 060 or consent of instructor
This course is designed to teach advanced concepts and architectural design of computer hardware. Students will examine and analyze the major PC components, study the different standards and platforms available and experiment with custom PC and peripheral additions and modifications. (Repeatable 3 Times)
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 064
A+ Computer Essentials

Prerequisite: EET 060 and CIS 079 or consent of instructor

Preparation for the Computing Technology Industry Association A+ test. This course is designed to cover both the Core and DOS/ Windows modules. Some of the topics discussed are installing, upgrading and troubleshooting hardware, networks, DOS, Windows 3.X and Windows 95.

(2 credits, 2 Lecture)

EET 065*
Home Technology Integration

Corequisite: EET 040 or consent of instructor

This course is designed for students interested in the field of home technology integration. Focuses on background knowledge and hands-on skills to prepare for the CompTIA DHTI+ Exam. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 066
Network Pro

This course covers material needed to pass the Computing Technology Industry Association Net+ and Electronic Technicians Association CNST exam. Topics include an in-depth look at data transmission and basic telephony, LAN, satellites, modems, error control and data security.

(4 credits, 4 Lecture)

EET 067*
Computer Servicing Techniques

Prerequisite: EET 060

This lab is dedicated to advanced configuration and troubleshooting and is designed to simulate problems in home or business computers. Students will be given a description of the problem from an operator's viewpoint and will correct the problems encountered. (Repeatable 3 Times)

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 068*
Photovoltaic Systems

Prerequisite: EET 040 and EET 050

This course is designed to provide a technical foundation for design, installation and evaluation of residential and commercial photovoltaic systems. Concepts of system advantages and disadvantages, site evaluation, system design and sizing are assessed. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 069*
Res & Light Commercial Wiring

This course provides students with an understanding of residential wiring. Topics include safety, planning and installation of residential wiring systems according to the National Electrical Code®. (Repeatable 3 Times)

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 070*
Photovoltaic Technician

Prerequisite: EET 068

This course is designed to provide a technical foundation for system design, systems implementation, electrical codes and hardware installation. Maintaining and troubleshooting systems are performed. (Repeatable 3 Times)

Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 072
Relays and Control Circuits

This course provides the student with an understanding of industrial electrical and electronic power systems. Topics covered include three-phase circuits, motors wiring, ladder logic, transformers and electronic motor controllers.

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 074*
Supervised Occupational Experience

Prerequisite: Sophomore standing in Electronics or consent of instructor

Designed to provide the student with work experience in field while maintaining contact with the occupational instructor for review and assistance. (Repeatable 1 Time)

(Variable Credit 0.5/5 credits, 25 Work Based Learning)

EET 075
HMI-Human Machine Interface

Prerequisite: EET 086 or consent of instructor

This course covers basic HMI operation and programming using Wonderware-InTouch software. Topics include designing HMI windows, interfacing to the PLC and basic animation, using and creating logic scripts, using DDE, setting alarms and charting trends and security.

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 076
Digital Logic

The study of basic digital systems, principles and techniques. Binary, hexadecimal, BCD, logic theory, AND, OR, NOT, NAD and NOR gates, as well as combination gate, flip-flops and hardware are covered.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 077*
PC Pro

Prerequisite: EET 060 or consent of instructor

This course prepares students for the TESTOUT PC Pro exam and the Computing Technology Industry Association A+ Exams. (Repeatable 3 Times)

(4 credits, 4 Lecture)

EET 078
Applied Amplifier Circuits

Prerequisite: EET 052

A study of linear electronic circuits. Combines theory of passive and active circuits into operational units. Topics include amplifiers frequency response, feedback, oscillators, high frequency, operational and instrumentation amplifiers, linear and switching regulators.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 081
Physical Computing

Handheld computing platforms are ideal for a wide range of interfacing and physical computing projects. This class covers basics hardware, programming, interfacing and control schemes needed for simple or complex interfacing projects.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 084
AI and Robotics

Use artificial intelligence to control an autonomous robot. This class starts with manual robot control and works up to using artificial intelligence to avoid collisions, follow roads and even classify objects that the robot sees with its camera.

Course Level Fee 3 (1 credit, 1 Lecture, 0.5 Lab/Lab-Discussion)

EET 085*
STEM Projects

Prerequisite: EET 076, EET 078 and EET 081

Corequisite: EET 080 and EET 081

Instructor-approved and student-selected electronic project providing experience in design, fabrication and testing of an electronic unit. The project should coincide with the student's occupational goal and area of electronic work interest (communications, computers, industrial,etc.) (Repeatable 3 Times)

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 086
Prog Logic Controllers I

Prerequisite: EET 072 or consent of instructor

This course covers basic PLC operation and programming using Rslogix500 software and Allen Bradley PLCs. Topics include basic ladder design, input/output, timers, counters, batch processes, shift registers, word compare and math. (Meets SACA Automation Specialist I C-207 and C-208 credentials.)

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 087
Prog Logic Controllers II

Prerequisite: EET 086 or consent of instructor

This course covers advanced topics of PLC operation and programming, using Rslogix software and Allen Bradley PLCs. Topics include project creation analog I/O, math and data handling instruction, program flow and communication protocols. (Meets SACA Automation Specialist I C-207, C-208 and II C-309 credentials.)

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 088
Residential Wiring

Hands-on course introducing safe residential wiring practices, including outlets, switches, circuits and tools. Students apply electrical theory, interpret plans and build basic circuits to meet code and safety standards. Designed for construction and building trades students.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 094
Supervised Occupational Exp

Prerequisite: Sophomore standing in Electronics or consent of instructor

Designed to provide the student with work experience in the field of major while maintaining contact with the instructor for review and assistance.

(3 credits, 15 Lab/Lab-Discussion)

EET 098
Residential & Commercial Appl

Prerequisite: EET 088

Hands-on course covering residential and light commercial electrical applications, including service panels, lighting, receptacles, motors and conduit bending. Emphasizes safety, code compliance and real-world wiring practices. Designed for students pursuing careers in building and electrical trades.

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 099
Electric Code Fundamentals

Explore NEC wiring standards and learn to navigate electrical code requirements. This online course prepares students for licensing exams through hands-on code applications and safety compliance fundamentals in the building and construction industry.

Course Level Fee 2 (2 credits, 2 Lecture)

ELECTRONIC ENGINEERING TECH CBE (EETC---)

EETC 081
Physical Computing I

Raspberry Pi and similar, small handheld computing platforms are ideal for a wide range of interfacing and physical computing projects. This class covers the basic hardware, and programming needed for simple or complex interfacing projects.

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

EETC 082
Physical Computing II

Prerequisite: ETC 081 or previous interfacing and Python programming experience.

Raspberry Pi and similar, small handheld computing platforms are ideal for a wide range of interfacing and physical computing projects. This class covers the basics of analog and digital input, signal conditioning and interfacing.

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

EETC 083
Physical Computing III

Prerequisite: EETC 082 or previous interfacing and Python programming experience.

Raspberry Pi and similar, small handheld computing platforms are ideal for a wide range of interfacing and physical computing projects. This class covers the basics of different types of industrial processes control such as on/off, differential gap and PID.

Course Level Fee 3 (1 redits, 0.5 Lecture, 1 Lab/Lab-Discussion)

EETC 084
AI and Robotics

Use artificial intelligence to control an autonomous robot. This class starts with manual robot control and works up to using artificial intelligence to avoid collisions, follow roads and even classify objects that the robot sees with its camera.

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

EETC 085
STEM Projects

Prerequisite: APT 050 or AETC 040 and EET 081 or EETC 081 and EETC 082 and EETC 083

Instructor-approved and student-selected electronic project providing experience in design, fabrication and testing of an electronic unit. The project should coincide with the student's occupational goal and area of electronic work interest (communications, computers, industrial, etc.)

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EMERGENCY MEDICAL SERVICES (EMS---)

EMS 047
Fundamentals of EMS

Prerequisite: Must be at least 18 years of age, with a high school diploma or GED at the time of board testing. Immunizations: Hepatitis B, TB, DT/Tetanus, MMR, Varicella (if you have immunizations, a copy of what you have is acceptable), physical exam, copy of current driver's license or state ID, background check and 12-panel drug screening.

Corequisite: Must take concurrently with EMS 048 lab course and EMS 049 work-based learning course and pass all three during the same semester.

This course provides the student with an understanding of his/her roles and responsibilities within the EMS system, including operations, patient assessment and emergency medical care. Students completing this course, EMS 048 and EMS 049 are eligible to take the NREMT EMT-Basic Licensing Examination. (Repeatable 3 Times)

Course Level Fee 3 (6 credits, 6 Lecture)

EMS 048
Basic EMS Care Skills

Prerequisite: Must be at least 18 years of age, with a high school diploma or GED at the time of board testing. Immunizations: Hepatitis B, TB, DT/Tetanus, MMR, Varicella (if you have immunizations, a copy of what you have is acceptable), physical exam, copy of current driver's license or state ID, background check and 12-panel drug screening.

Corequitie: Must take concurrently with EMS-047 lecture course and EMS-049 work-based learning course and pass all three during the same semester.

This course provides the student with an understanding of his/her roles and responsibilities within the EMS system, including operations, patient assessment and emergency medical care. Students completing this course, EMS 047 and EMS 049 are eligible to take the NREMT EMT-Basic Licensing Examination. (Repeatable 3 Times)

Course Level Fee 4 (1 credit, 3 Lab/Lab-Discussion)

EMS 049
EMS Clinical Experience

Prerequisite: Must be at least 18 years of age, with a high school diploma or GED at the time of board testing. Immunizations: Hepatitis B, TB, DT/ Tetanus, MMR, Varicella (if you have immunizations, a copy of what you have is acceptable), physical exam, copy of current driver's license or state ID, background check and 12-panel drug screening.

Corequisite: Must take concurrently with EMS 047 lecture course and EMS 048 lab course and pass all three during the same semester.

This course provides instruction in EMS in hospital settings. Students who successfully complete this course, EMS 047 and EMS 048 are eligible to take the NREMT EMT-Basic Licensing Examination. (Repeatable 3 Times)

Course Level Fee 4 (0.5 credits, 2.5 Lab/ Lab-Discussion)

EMS 061*
Fundamentals of Paramedicine I

Prerequisite: EMS 047, EMS 048 and EMS 049 and BIO 050 or BIO 225

Corequisite: EMS 064 and EMS 068

This course provides the beginning paramedic student with the knowledge to integrate the principles of kinetics, pathophysiology and assessment findings to formulate a field impression and implement a treatment plan for the cardiac patient. (Repeatable 3 Times)

Course Level Fee 3 (5 credits, 5 Lecture)

EMS 062*
EMS Pharmacology

Prerequisite: EMS 061, EMS 064, EMS 068, EMS 071, EMS 074 and EMS 078

Corequisite: EMS 084, EMS 086 and EMS 088

This course provides the paramedic student with the knowledge and skills to integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan. (Repeatable 3 Times)

Course Level Fee 3 (2 credits, 2 Lecture)

EMS 064*
Paramedic Care Skills I

Prerequisite: EMS 047, EMS 048 and EMS 049 or EMT License and BIO 050 or BIO 225

Corequisite: EMS 061 and EMS 068

This course provides the paramedic student with the skills needed to manage a trauma patient, including immobilization and splinting techniques, airway management, extrication techniques and bleeding control. (Repeatable 3 Times)

Course Level Fee 4 (4 credits, 1.5 Lecture, 5 Lab/Lab-Discussion)

EMS 068
Clinical Experience I

Prerequisite: EMS 047, EMS 048 and EMS 049 or EMT Basic License and BIO 050 or BIO 225

Corequisite: EMS 061 and EMS 064

This course is designed to provide employment experience in a position that will utilize the specialized skills of the student.

Course Level Fee 4 (1.5 credits, 7.5 Work Based Learning)

EMS 071*
Fundamentals Paramedicine II

Prerequisite: EMS 061,EMS 064 and EMS 068

Corequisite: EMS 074 and EMS 078

This course provides students with the knowledge to integrate pathophysiological principles and assessment findings, to formulate a field impression and implement a treatment plan for patients experiencing cardiovascular emergency situations. (Repeatable 3 Times)

Course Level Fee 3 (4 credits, 4 Lecture)

EMS 074*
Paramedical Care Skills II

Prerequisite: EMS 061, EMS 064 and EMS 068

Corequisite: EMS 071 and EMS 078

This course provides a paramedic student with advanced skills needed to manage patients with special considerations experiencing life-threatening conditions across the lifespan. (Repeatable 3 Times)

Course Level Fee 3 (1 credit, 1 Lecture, 1 Lab/Lab-Discussion)

EMS 078
Clinical Experience II

Prerequisite: EMS 061, EMS 064 and EMS 068

Corequisite: EMS 071 and EMS 074

This course is designed to provide employment experience in a position that will utilize the specialized skills of the student.

Course Level Fee 4 (1.5 credits, 7.5 Lab/ Lab-Discussion)

EMS 084*
Paramedical Care Skills III

Prerequisite: EMS 061, EMS 064, EMS 068, EMS 071, EMS 074 and EMS 078

Corequisite: EMS 062, EMS 086 and EMS 088

This course provides the paramedic student with the skills needed to manage a medical patient, including all of the body systems. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

EMS 086*
Fundamentals Paramedicine III

Prerequisite: EMS 061, EMS 064, EMS 068, EMS 071, EMS 074 and EMS 078

Corequisite: EMS 062, EMS 084 and EMS 088

This course provides the beginning paramedic student with the knowledge to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the medical patient. Observation time is required. (Repeatable 3 Times)

Course Level Fee 3 (4 credits, 4 Lecture)

EMS 088
Clinical Experience III

Prerequisite: EMS 061, EMS 064, EMS 068, EMS 071, EMS 074 and EMS 078

Corequisite: EMS 062, EMS 084 and EMS 086

This course is designed to provide employment experience in a position that will utilize the specialized skills of the student.

Course Level Fee 4 (2 credits, 10 Lab/ Lab-Discussion)

EMS 092
Fundamentals Paramedicine IV

Prerequisite: EMS 061, EMS 064, EMS 068, EMS 071, EMS 074, EMS 078, EMS 062, EMS 084, EMS 086 and EMS 088

Corequisite: EMS 094 and EMS 098

This course provides the beginning paramedic student with an understanding of the role and responsibilities within the EMS system, including safety, medical-legal issues, EMS operations and specialized scene responses. This course also provides students with an exam review for the National Registry of Emergency Medical Technicians.

Course Level Fee 3 (2 credits, 2 Lecture)

EMS 094
Paramedical Care Skills IV

Prerequisite: EMS 061, EMS 062, EMS 064, EMS 068, EMS 071, EMS 074, EMS 078, EMS 084, EMS 086 and EMS 088

Corequisite: EMS 092 and EMS 098

This course provides a paramedic student with advanced skills needed to manage patients experiencing life-threatening conditions across the lifespan.

Course Level Fee 3 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

EMS 098
Paramedic Capstone Internship

Prerequisite: EMS 061, EMS 062, EMS 064, EMS 068, EMS 071, EMS 074, EMS 078, EMS 084, EMS 086 and EMS 088

Corequisite: EMS 092 and EMS 094

This course is designed to provide employment experience in a position that will utilize the specialized skills of the student.

Course Level Fee 4 (1.5 credits, 7.5 Lab/ Lab-Discussion)

EMERGENCY MEDICAL TECH (EMT---)

EMT 012*
Special Topics in EMS

Provide the students with information and/or practical skills pertaining to the functions required in the manner in which they perform their jobs in the Emergency Medical Services profession. (Repeatable 3 Times)

(Variable Credit 0.5/2.5 credits, 2.5 Lecture)

ENGLISH (ENG---)

ENG 050
Writing for Industry

Students will learn strategies for writing essays, instruction manuals, proposals, reports and career documents as well as deliver oral presentations to prepare them for a profession in industry. Students will practice research strategies by using library resources and the internet.

Course Level Fee 2 (3 credits, 3 Lecture)

ENG 095
Business English

Using critical thinking skills, students will study and reinforce the basics of the English language as they apply to business communications. Emphasis is placed on grammar, punctuation, spelling, word usage and sentence structure.

Course Level Fee 2 (3 credits, 3 Lecture)

ENG 098
Communications I

Students will learn the principles of communication by listening, speaking and writing. Emphasis is placed on communication skills related to the demands of the student's career area.

Course Level Fee 2 (3 credits, 3 Lecture)

ENG 110
Manual Comm-Deaf

Instruction in methods of communication with the deaf through signing.

(3 credits, 3 Lecture)

ENG 111
Advanced Signing

Prerequisite: ENG 110

A continuation of Manual Communication for the Deaf. Advanced vocabulary and signing.

(3 credits, 3 Lecture)

ENG 112
Conversational Sign Language

Prerequisite: ENG 111

This course prepares students for signing conversations and stories with a focus on building narrative skills, moving from an informal setting to a more formal presentation by incorporating American Sign Language structure and grammar and exposure to deaf culture.

(3 credits, 3 Lecture)

ENG 119
Composition I Pathway

IAI C1 900

Prerequisite: Placement determined by assessment.

Students will study the writing process by reading essays illustrating a variety of rhetorical strategies, analyzing texts and writing, revising and editing short essays. Course is for students who have assessed into developmental English, receiving supplemental instruction for course completion.

Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

ENG 120
Composition I
IAI C1 900

Prerequisite: Placement determined by assessment.

Students develop a writing process by reading and analyzing texts that illustrate various rhetorical strategies as well as writing, revising and editing short essays. Minimally, students must compose four formal, revised writing assignments, having one reach at least 1,250 words.

Course Level Fee 2 (3 credits, 3 Lecture)

ENG 121
Composition II
IAI C1 901R

Prerequisite: Complete ENG 119 or ENG 120 with a minimum grade of "C".

Students will learn how to find, use, assess and document research sources, producing an extended writing project based primarily on library research.

Course Level Fee 2 (3 credits, 3 Lecture)

ENG 223
Creative Writing – Fiction

Prerequisite: ENG 119 or ENG 120

Students will understand the structure and elements of fiction and the writing process, produce fully-developed works of fiction and demonstrate an understanding of the critical terminology of the creative writer.

Course Level Fee 1 (3 credits, 3 Lecture)

ENG 224
Creative Writing – Poetry

Prerequisite: ENG 119 or ENG 120

Students will understand the structure and elements of poetry and the writing process, produce fully developed works of poetry and demonstrate an understanding of the critical terminology of the creative writer.

(3 credits, 3 Lecture)

ENGLISH AS A SECOND LANGUAGE (ESL---)

ESL 014*
ESL-Entry Level I

Provides non-native speakers of English with an introduction to the language with emphasis on skills needed to function in American society, including pronunciation, vocabulary, listening and survival skills. Students are placed based on scores from an approved ICCB assessment. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture)

ESL 017*
ESL-Intermediate Level I

Designed for non-native speakers of English who need additional study in word attack skills, including pronunciation problems, spelling, vocabulary building and dictionary skills. Students are placed based on scores from an approved ICCB assessment. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture)

ESL 018*
ESL-Intermediate Level II

Designed for non-native speakers with some background in English who need additional study in conversation, vocabulary and listening skills, including idiomatic expressions, everyday usage and listening. Students are placed based on scores from an approved ICCB assessment. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture)

ESL 020*
ESL-Advanced Level I

Designed for non-native speakers proficient in English but who desires to improve skills in conversation and vocabulary, including listening skills (general and TOEFL), American customs and effective communication. Students are placed based on scores from an approved ICCB assessment. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture)

ESL 022
ESL ICAPS Success

Corequisite: Adult Education ICAPS program

Designed for adult English language learners to develop basic skills in reading, writing and math.

(Variable Credit 0.5/3 credits, 3 Lecture)

ESL 023
ESL Education Bridge

This course is designed for ESL students to develop basic skills contextualized with occupational knowledge and skills integrated with career awareness and services meant to transition students to postsecondary education, a career or an ICAPS program in the education field.

(Variable Credit 0.5/2 credits, 2 Lecture)

ESTHETICS (EST---)

EST 041
Esthetics I

Introduction to the principles and applications of basic skin care. The student is introduced to the history of skin care, professional ethics, sanitation, anatomy and physiology and cosmetic chemistry.

Course Level Fee 3 (6.5 credits, 5 Lecture, 4.5 Clinical Hours)

EST 042
Esthetics II

Prerequisite: EST 041

Focuses on histology of the skin, disorders and diseases, skin analysis, correct product selection and treatment room preparation.

Course Level Fee 3 (6.5 credits, 5 Lecture, 4.5 Clinical Hours)

EST 043
Esthetics III

Prerequisite: EST 041 and EST 042

This course is designed to introduce the esthetician to facial massage techniques, hair removal, make-up application, basic facials and other skin treatments.

Course Level Fee 3 (6 credits, 5 Lecture, 5 Clinical Hours)

EST 044
Esthetics IV

Prerequisite: EST 041, EST 042 and EST 043

Focuses on the basics of electricity, light therapy, implements and electrical current used with facial machines and microdermabrasion.

Course Level Fee 3 (6 credits, 5 Lecture, 5 Clinical Hours)

EST 045
Esthetics V

Prerequisite: EST 041, EST 042, EST 043 and EST 044

Continuation of Esthetics IV. Concentrated toward advanced esthetics, salon/spa business, retailing products and career planning.

Course Level Fee 3 (6 credits, 5 Lecture, 5 Clinical Hours)

FIRE SCIENCE TECHNOLOGY (FST---)

FST 080
Haz Mat Awareness and Ops

Prerequisite: At least 18 years of age, high school diploma or GED, have Basic Firefighter or Advanced Firefighter certificates. Current fire department affiliation.

This course provided firefighters and emergency medical service professionals the basic skills to be able to evaluate and work on an incident scene involving hazardous materials.

(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

FST 081
Fire Strategy and Tactics

Provides an in-depth analysis of the principles of fire control through utilization of personnel, equipment and extinguishing agents on the fire ground.

(3 credits, 3 Lecture)

FST 082*
Fire Service Instructor I

Provides up-to-date information required to meet the modern job performance requirements for Fire Service Instructor I as outlined by the National Fire Protection Association, relating to safety during the learning process and instructor management. (Repeatable 3 Times)

(3 credits, 3 Lecture)

FST 083
Fire Instructor II

Prerequisite: At least 18 years of age, high school diploma or GED, have Basic Firefighter or Advanced Firefighter certificates. Current fire department affiliation.

This course prepares the current working firefighter for promotions within the department. It is an NFPA- and OFSM-approved course that prepares the student to complete the task book to obtain their Basic Company Officer Certification.

(3 credits, 3 Lecture)

FST 090
Basic Fire Officer

Prerequisite: At least 18 years of age, high school diploma or GED, have Basic Firefighter or Advance Firefighter certificates. Current fire department affiliation.

This course prepares the current working firefighter for promotions within the department. It is an NFPA- and OFSM-approved course that prepares the student to complete the task book to obtain their Basic Company Officer Certification.

(7 credits, 7 Lecture)

FST 091
Advanced Company Officer

Prerequisite: At least 18 years of age, high school diploma or GED, have Basic Firefighter or Advanced Firefighter certificates. Current fire department affiliation.

This course will prepare the current working firefighter for promotions within the department. It is an NFPA- and OFSM-approved course that prepares the student to complete the task book to obtain their Advanced Company Officer Certification.

(8 credits, 8 Lecture)

FOREIGN LANGUAGE (FLG---)

FLG 140
Elem Spanish I

Fundamentals of Spanish grammar, oral communication, reading and writing and introduction to cultures of various Spanish-speaking countries.

(3 credits, 3 Lecture)

FLG 141
Elem Spanish II

Prerequisite: FLG 140

Continued study of basic grammar, oral communication, reading and writing. Includes cultural aspects of various Spanish-speaking countries.

(3 credits, 3 Lecture)

FLG 150
Beginning German I

This course is an introduction to the basic concepts of the German language. It focuses on the fundamentals of German grammar, pronunciation, phonetics, drill in rhythm and intonation, reading, writing as well as an introduction to German culture.

(3 credits, 3 Lecture)

FLG 151
Beginning German II

Prerequisite: FLG 150

This course is a continuation of Beginning German, building upon the basic language concepts. It expands abilities in the fundamentals of German grammar, pronunciation, phonetics, drill in rhythm and intonation, reading, writing as well as an introduction to German culture.

(3 credits, 3 Lecture)

FLG 240
2nd Year Spanish I

Prerequisite: FLG 141

Will further comprehension of grammar, conversation and composition. Study of Spanish cultures through reading and discussion of selected literary works.

(3 credits, 3 Lecture)

FLG 241
Second Year Spanish II

Prerequisite: FLG 240

Study of advanced grammar, composition and conversation. Reading and discussion of selected literary works and cultural orientation.

(3 credits, 3 Lecture)

FLG 251
Intermediate German I

Prerequisite: FLG 151

This course is designed for students to expand and deepen their knowledge of German grammar, pronunciation, phonetics, rhythm and intonation, reading, writing and German culture. Instruction will emphasize the four modes of expression as well as culture.

(3 credits, 3 Lecture)

FLG 252
German Conversation II

Prerequisite: FLG 251

This course is designed for students to continue to expand and deepen their knowledge of German grammar, pronunciation, phonetics, rhythm and intonation, reading, writing and German culture. Instruction will emphasize the four modes of expression as well as culture.

(2 credits, 2 Lecture)

GEOGRAPHY (GEO---)

GEO 140
World Geography

IAI S4 906

This course is about the world's great realms, surveyed and discussed in geographic perspective. It links human society and culture to the world's natural environment and climates.

(3 credits, 3 Lecture)

HEALTH EDUCATION (HED---)

HED 046
Food Service Sanitation

This course covers the principles of food microbiology, sources and types of foodborne illness, personal hygiene and all other rules and regulations for the safe handling of food.

(Variable Credit 0.5/2 credits, 2 Lecture)

HED 102
Nutrition

A course in nutritional education including: food groups, diet goals, energy nutrients, digestion, absorption, metabolism and related diseases. Macronutrients, water, vitamins and minerals will be studied. Diet analysis and finding the most current nutrition-related research will be emphasized.

(3 credits, 3 Lecture)

HED 177*
First Aid Review

Prerequisite: HED 178 or HED 179 or CPR card

A review of the latest methods used in cardiopulmonary resuscitation. A renewed CPR card will be given at the successful completion of the course. (Repeatable 3 Times)

(0.5 credits, 0.5 Lecture)

HED 178
Responding to Emergencies

The purpose of the American Red Cross Responding to Emergency course is to provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life.

Course Level Fee 3 (2 credits, 2 Lecture)

HED 179
Advanced 1st Aid and CPR

Studies all phases of advanced first aid and safety. Also includes Cardiopulmonary resuscitation (CPR). Students receive an Advanced First Aid card and a CPR card with the successful completion of the course.

Course Level Fee 3 (3 credits, 3 Lecture)

HED 200
Principles of Health

This course is designed to explore the most important health issues current and past. Helping students to make responsible decisions that will affect them throughout their lives. Focus will interrelate behavior with one's own health decisions.

(3 credits, 3 Lecture)

HED 270
Community Health

A study of public health, school health, occupational health, social and recreational services and self-care.

(3 credits, 3 Lecture)

HED 272
Health Citizenship

Explores personal and community roles in promoting health equity, preventive care and civic engagement in public health issues. Develops skills for informed decision-making and advocacy in diverse populations.

(3 credits, 3 Lecture)

HED 290
Disease Processes

Prerequisite: BIO 100

Students will study abnormal, diseased physiological processes, examine altered cell functions, injury and death. Students will gain knowledge in body systems and inability of diseased systems to maintain homeostasis. Other topics include inflammation, immunity, neoplasia and adaptations to stress and aging.

(3 credits, 3 Lecture)

HEAT VENT AIR COND REFG (HVC---)

HVC 060
HVACR Blueprint Reading

This course prepares students to read and interpret blueprints for heating, ventilation, air conditioning and refrigeration systems. Students learn how to employ proper drafting techniques to develop a set of plans and prepare an estimate of cost for a project.

Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

HVC 062
Intro to HVACR Electricity

This course covers principles of electricity as used in the HVACR industry including circuits, electrical theory and schematic interpretation. Students learn to use hand tools and test equipment. Safety and application of math skills are stressed. Employability skills are introduced.

Course Level Fee 1 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

HVC 064
Refrigeration I

This course covers the basic refrigeration cycle, as well as refrigeration components and types of refrigerants. Students work with tools and gauges, measure temperatures and pressures and practice refrigeration safety procedures.

Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

HVC 066
Refrigeration II

Prerequisite: IND 043

This course covers compressors, valves and metering devices in domestic refrigerator and freezer systems. Recovery, leak detection, evacuation and charging procedures are also covered. The student will gain hands-on training in installation, troubleshooting, service and repair of domestic refrigerators.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

HVC 068
Air Conditioning I

Prerequisite: HVC 066

This course covers air movement, quality, distribution and ventilation.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HVC 070
Air Conditioning II

Prerequisite: HVC 068

This course covers ductless and central air-conditioning, absorption and evaporative cooling, humidity control, thermostats, heating and cooling loads, air conditioning installation and troubleshooting/service.

Course Level Fee 1 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

HVC 072
Heat Generating Systems

Prerequisite: HVC 066

This course covers forced-air heating fundamentals, hydronic heating fundamentals, gas-fired heating systems, oil-fired heating systems, electric heating systems and heating system installation/service.

Course Level Fee 1 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

HVC 074
Pipe & Ductwork Installation

This course covers ductwork fabrication and installation. An introduction to fabrication practices and procedures, layout and heating and refrigeration piping is provided. Safety practices are stressed.

Course Level Fee 1 (4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

HVC 076*
Heat Pumps

This course covers heat pump fundamentals, electrical schematics, controls, operation and troubleshooting. (Repeatable 3 Times)

Course Level Fee 2 (2 credits, 1 Lecture, 3 Lab/Lab-Discussion)

HISTORY (HIS---)

HIS 150
History of Illinois

Describe Indian cultures, French rule and problems of early statehood; assess patterns of settlement; describe impact of Civil War and trace the economic transition to an industrial power; assess 20th Century changes and current states problems.

(3 credits, 3 Lecture)

HIS 153
History of Non-Western Civ.
IAI H2 903N

The course introduces students to the history and culture of non-Western civilizations from ancient to modern times. It focuses upon broad themes in history and culture and will examine those themes in each major historical era.

(3 credits, 3 Lecture)

HIS 155
History of the U.S. I
IAI S2 900

A survey of early American history viewed with an emphasis on the political, social, economic and ideological foundations of the Republic. Major topics include colonialism, revolution, federalism, nationalism, sectionalism, expansion, slavery, religion and Civil War.

(3 credits, 3 Lecture)

HIS 156
History of the U.S. II
IAI S2 901

Views U.S. History since the end of Reconstruction with emphasis on how the domestic and international conflicts helped shape our modern society.

(3 credits, 3 Lecture)

HIS 250
Western Civil to 1660
IAI H2 901

A survey of the political, economic, cultural and social development of Western Civilization to 1660. Topics include prehistory, ancient near east, Greco-Roman world, Germanic migrations, Middle Ages, Renaissance and Reformation and the beginnings of the Modern World.

(3 credits, 3 Lecture)

HIS 252
West Civil/1660-Present
IAI H2 902

Survey of Western Civilization with topics including absolutism, the rise of modern science, the French Revolution, the Industrial Revolution, the Age of Ideology, Imperialism, the Russian Revolutions, World War I, the Rise of Totalitarianism, World War II and the Contemporary Age.

(3 credits, 3 Lecture)

HORTICULTURE (HRT---)

HRT 061
Woody Plants Identification

A study in the identification of deciduous trees and shrubs used primarily in landscaping. Emphasis is placed on cultural requirements of the plants, their natural habitat and plant usage.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 062*
Vegetable Crop Production

Prepares students for successfully growing vegetable crops. Course will include each crop's botany, origin, history and economic importance, optimum production practices, diseases, insect pests and nutritional requirements and plant breeding objectives. Soil health, cover crops, rotation, handling and marketing covered. (Repeatable 3 Times)

(3 credits, 3 Lecture, 2 Lab/Lab-Discussion)

HRT 063
Evergreen/Vines & Ground Cover

A study in the identification, selection, use, propagation and cultural requirements of woody and herbaceous ground covers, vines, needled evergreens and broad-leaved evergreen plants.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 066
Turf Management

Methods of establishment and maintenance of turfgrass for lawns, public grounds and recreational areas. Also includes the identification and management of plant and soil materials in different environments.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 067
Indoor Plants-Growth & Care

Discover the history, benefits and ideal conditions of growing houseplants. Learn about light, water and soil requirements. Troubleshoot common pests and diseases. Choose the right plants for your location for a thriving green space.

(2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

HRT 071
Herbaceous Perennial Plants

A study in the identification, selection and use of herbaceous plants primarily used in the

landscape, including perennials, biennials, ornamental grasses and wildflowers. Emphasis is placed on cultural requirements of the plants, propagation and plant usage in the landscape.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 072
Annual Flowering Plants

Covers the identification and use of flowering (bedding) annuals, specialty annuals and tropical plants used for outdoor displays. Improvement in selection, changes in marketing and branding, and new trends are discussed. Emphasis is placed on use in the Illinois landscape.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 076
Greenhouse Mgt and Production

A study of the commercial production of floricultural crops, including greenhouse construction, management and operation. Attention will be given to the production of better plants through the study of temperature, light, soil, nutrition, scheduling, propagation methods and plant breeding.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 081
Landscape Design

This class will cover the basic principles of landscape design, methods and techniques of the landscape design process for residential and commercial settings, including an appreciation of various landscape theories and objectives, art in landscape design and special landscape problems.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 082
Landscape Construction & Maint

Students will learn construction methods for residential and small commercial landscapes, selection and installation of plants, techniques and uses of materials related to various landscape features, prepare cost estimates, control of landscape diseases and pests and maintenance of landscape areas.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 083
Landscape Design II-Layout/Graphics

This course reviews the design processes and techniques as they apply to residential landscape designs and integrates them into landscape projects. Course will include pen and ink graphic design techniques, freehand sketching, preparing quick designs, perspective sketching and color drawing.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 091
Supervised Occupational Experience I

This course provides introductory on-the-job experience as a full-time employee in selected horticulture production or landscaping.

Course Level Fee 3 (3.5 credits, 0 Lecture, 17.5 Lab/Lab-Discussion)

HRT 092
Supervised Occupational Experience II

This course provides intermediate-level on-the-job experience as a full-time employee in selected horticulture production or landscaping occupation.

Course Level Fee 3 (2.5 credits, 12.5 Work Based Learning)

HRT 093
Supervised Occupational Experience III

This course provides advanced on-the-job experience as a full-time employee in selected horticulture production or landscaping occupations.

Course Level Fee 3 (3 credits, 15 Work Based Learning)

HRT 201
Introduction to Horticulture
IAI AG 905

A study and introduction to the principles and practices involved in the development, production and use of horticultural crops (fruits, vegetables, greenhouse, turf, nursery, floral and landscape). Course will include a broad overview of the green industry, including propagation, production and design.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HUMAN SERVICES (HSP---)

HSP 053
Work Experience Seminar I

Prerequisite: HSP 103 and HSP 122

This course accompanies the field experience class. These seminars give opportunity to provide individual assessment and assist with job competence.

(1 credit, 1 Lecture)

HSP 054
Field Experience I

Prerequisite: HSP 103 AND HSP 122

This course provides 150 hours of supervised employment in various human service agencies.

Course Level Fee 3 (2 credits, 10 Work Based Learning)

HSP 055
Work Experience Seminar II

Prerequisite: HSP 053 and HSP 054

This course accompanies the field experience class. Seminars give opportunities to provide individual assessment and assist with job competence.

(1 credit, 1 Lecture)

HSP 056
Field Experience II

Prerequisite: HSP 053 and HSP 054

This course provides 150 hours of supervised employment in various human service agencies.

Course Level Fee 3 (2 credits, 10 Work Based Learning)

HSP 057
Work Experience Seminar III

Prerequisite: HSP 055 and HSP 056

This course accompanies the field experience class. These seminars give opportunity to provide individual assessment and assist with job competence.

(1 credit, 1 Lecture)

HSP 058
Field Experience III

Prerequisite: HSP 055 and HSP 056

This course provides 150 hours of supervised employment in various human service agencies.

Course Level Fee 3 (2 credits, 10 Lab/ Lab-Discussion)

HSP 065
Intro to Substance Abuse

This course encompasses social, psychological, and medical views of drug use. The historical evolution of drug use and regulation, the differences between drug use, misuse, and abuse and their consequences.

(3 credits, 3 Lecture)

HSP 101
Dynamics of Domestic Violence

Study of dynamics of domestic violence, focusing on program philosophy, cultural diversity, direct relation of substance abuse, crisis intervention, Illinois Domestic Violence Act, criminal aspects, battering treatment and how domestic violence affects children and society.

(3 credits, 3 Lecture)

HSP 102
Behavior Management

This course introduces the learning principles of behavior modification, measurement and strategies to change human behaviors in educational and clinical settings.

(3 credits, 3 Lecture)

HSP 103
Foundations of Human Services

Foundations in the discipline of human services, including: historical origins, ethics and values, skill development, roles of the profession, career opportunities, challenges, examination of diverse and at-risk populations and policy issues in human services.

(3 credits, 3 Lecture)

HSP 108
Human Services Internship 1

Prerequisite: HSP 103 and HSP 165

This course provides 150 hours of supervised employment in the human services field.

(3 credits, 3 Lecture)

HSP 109
Human Services Internship 2

Prerequisite: HSP 103 and HSP 165

This course provides 150 hours of supervised employment in the human services field.

(3 credits, 3 Lecture)

HSP 111
Recovery Counseling Internship

Prerequisite: HSP 103 and HSP 165

This course provides 200 hours of supervised employment in substance use facilities.

(3 credits, 3 Lecture)

HSP 120
Introduction to Social Work
An introduction to generalist practice: historical origins, values and ethics, practice methods, research considerations and policy issues in social work. Examination of diverse and at-risk populations, the wide variety of problems workers confront, knowledge and skills of the worker.

(3 credits, 3 Lecture)

HSP 122
Social Welfare
A study of the history, purpose, philosophy, methods and values governing social welfare with an overview of the American social welfare system, programs and structure of service delivery. Examination of the relationships among social welfare systems and institutional structures.

(3 credits, 3 Lecture)

HSP 165
Intro to Substance Disorders
This course encompasses social, psychological and medical views of drug use, including the historical evolution of drug use and regulation as well as the differences between drug use, misuse and abuse and their consequences.

(3 credits, 3 Lecture)

HSP 166
Diversity in Addiction
This course will address women, adolescents and other diverse populations (including LGBTQ) in substance use treatment. Topics include addiction, engagement strategies and treatment planning. Client and community education strategies and methods to gain cultural competence will be addressed.

(3 credits, 3 Lecture)

HSP 167
Substance Use Treatment
Prerequisite: HSP 065

This course introduces students to the ASAM criteria for evidence-based treatments of various types of addiction. Practicing a variety of treatment theories and approaches, the course discusses disease concepts; differences between evidence, screening, and assessment; and use of assessment instruments.

(3 credits, 2.5 Lecture, 1 Lab/Lab-Discussion)

HSP 169
Pharmacology and Substance Use
This course covers substances of use, including physiological and behavioral effects. It explores the neurobiological basis of addiction and how substances produce neurochemical changes in the brain's reward pathway. Substance use-related transmission of disease(s) will also be discussed.

(3 credits, 3 Lecture)

HSP 201
Intro to Counseling Skills
Introduces foundational counseling theories and skills, emphasizing positive relationships through empathic communication, therapeutic interviewing, confidentiality and compassionate intervention for individuals navigating personal challenges.

(3 credits, 3 Lecture)

HSP 206
Introduction to Grant Writing
This course covers grant writing basics, from finding funding sources (government, private and corporate) to proposal development, budgeting, and ethical considerations. Students learn the grant-seeking process from research to project completion.

(3 credits, 3 Lecture)

HUMANITIES (HUM---)

HUM 120
Myths and Legends
IAI H9 901
Prerequisite: ENG 120 with minimum grade of C

An introduction to major myths and legends spanning from Ancient Greece to Modern America with an emphasis on how the motifs, archetypes and themes are consistently revived in popular culture.

(3 credits, 3 Lecture)

HUM 150
Humanities Through the Arts
IAI HF 900
Students will survey the human condition as revealed through the arts, including an examination of painting, sculpture, architecture, literature, drama, film, photography and music.

(3 credits, 3 Lecture)

HUM 181
Intro to Film Appreciation
IAI F2 908
Students will enrich their knowledge of film art and their abilities to critically analyze and evaluate films. By viewing and discussing a variety of films, students will understand film techniques, directorial styles, genres, structure, critical approaches and cultural influences.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

INDEPENDENT STUDY (INS---)

INS 099
Portfolio Develop
Students will analyze and evaluate their learning, skills and talents in order to develop a portfolio consisting of transcripts, tests, training programs and workshops, which can be evaluated for college credit. In preparing portfolio, students will clarify educational, career and personal objectives.

(2 credits, 2 Lecture)

INS 200*
Internship Experience
This supervised internship experience at a business or organization is customized to meet the needs of students through collaboration between the supervising faculty member and the Career Services office. (Repeatable 3 Times)

Course Level Fee 1 (Variable Credit 0.5/4 credits, 20 Lab/Lab-Discussion)

INS 299*
Independent Study
For more information about this course or to secure a contract to take an independent study please contact the Vice President for Academic Services at (217) 234-5211. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture)

INDUSTRIAL MAINTENANCE (IND---)

IND 042
Pipefitting Procedures
Focuses on the basic principles of installation and maintenance of industrial piping systems. Mechanical joining methods are stressed.

Course Level Fee 1 1 credit 0.5 Lecture, 1 Lab/Lab-Discussion)

IND 043
Refrigeration Fundamentals
This course covers the basic refrigeration cycle, as well as refrigeration components and types of refrigerants. Students work with tools and gauges, measure temperatures and pressures and practice refrigeration safety procedures.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

IND 044
Fluid Power
Provides technicians with basic concepts of pneumatics and hydraulics. This includes fluid properties and laws, safety concerns, conductor types and sizing, pump operation and horsepower requirements, directional, pressure and flow control valves and fluid symbols. Trainers provide hands-on experience for students.

Course Level Fee 1 (3 credits, 2.5 Lecture, 1 Lab/Lab-Discussion)

IND 052
Electrical Installation Procedures
Prerequisite: MET 040 and MET 042

Focuses on the methods and materials used in electrical installation, and the problems encountered in construction work. The National Electrical Code is used as a guide.

Course Level Fee 1 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

IND 054
Trouble Shooting and Preventative Maint
Prerequisite: MET 040 and MET 042 and IND 044

Provides those skills and insights necessary to detect and solve problems which occur in industrial machinery. Includes procedures aimed at prevention rather than emergency action.

Course Level Fee 1 (Variable Credit 0.5/3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

IND 062
Rigging and Hoisting
This course is designed to provide a basic understanding of hoisting and rigging equipment. Safety regulations will be discussed along with the determination of safe working loads and proper care of equipment.

Course Level Fee 3 (1 credit, 1 Lecture)

INDUSTRIAL MAINTENANCE CBE (INDC---)

INDC 062
Rigging and Hoisting

This course is designed to provide a basic understanding of hoisting and rigging equipment. Safety regulations will be discussed along with the determination of safe working loads and proper care of equipment.

Course Level Fee 3 (1 credit, 1 Lecture)

INDUSTRIAL MAINTENANCE WORKER (INW---)

INW 040
Intro to Mechanical Drives

Industrial maintenance technicians should cover installation, alignment and maintenance of components like belt, chain and gear drives, as well as couplings and bearings. Key areas include safety, using precision measuring tools, troubleshooting and the proper selection and application of lubricants.

(1.5 credits, 1 Lecture, 0.5 Lab/Lab-Discussion)

INW 044
Intro to Fluid Power

This training improves system reliability, reduces repair costs, enhances safety and boosts productivity by teaching technicians to read schematics, understand system components and perform both preventive and predictive maintenance.

(1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

INW 046
Applied Industrial Electricity

This course is the first step in gaining the skills to safely and confidently work with and around polyphase power. They will construct a knowledge base of electrical components, safety protocols and steps to troubleshoot an electrical system successfully.

(1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

INW 050
Electronic Dr Sys

Electronic Drive Systems course for industrial maintenance technicians should cover electrical fundamentals, electronic components, drive types (like AC and DC motors), variable frequency drives (VFDs), programmable logic controllers (PLCs), and troubleshooting and maintenance procedures.

(1.5 credits, 1 Lecture, 0.5 Lab/Lab-Discussion)

INW 054
Troubleshooting Techniques

Students will demonstrate logical thinking and share strategies for testing, analyzing and solving issues.

(1 credits, 0.5 Lecture, 0.5 Lab/Lab-Discussion)

INFORMATION TECHNOLOGY TRAIN (ITT---)

ITT 051
Special Topics in IT

An overview of how technology is impacting individuals and society today. Topics include digital identity, literacy and safety. Artificial intelligence and its growth, use and concerns will also be examined.

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 052*
Content Management Systems

Corequisite: CIS 099

Students will build multi-page websites, evaluate design for accessibility and usability and use WordPress as a content management system. A segment on website security practices is also included to ensure students understand foundational online safety concepts. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 3 Lecture)

ITT 053*
Digital Media Arts

Prerequisite: CIS 088

An introduction to using digital technology to produce artistic creations on the computer. Students will learn basic art theories of design, color, typography, and visual elements and how to apply them in a digital environment. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 060
Project Management

An overview of project management as it applies to information technology projects. Project management software will be introduced.

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 063*
Innovation I

This course examines the history, technology and progression of innovation and innovative ideas in IT, robotics, electronics and DIY makerspace environments. The tools and techniques used in the innovation lab will be explored. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

ITT 064*
Innovation II

A practical, lab-based class that concentrates on the design, development and implementation of physical and electronic computer interfaces. The goal is to extend the reality of computer use and/or game play using both currently available and custom hardware and software. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 6 Lab/ Lab-Discussion)

ITT 066*
Indie Game Development Lab

This course is a production class that mimics the game development environment in an indie development house. Methods of production will be covered, options will be discussed and assignments will be made based on skill and ability. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 6 Lab/ Lab-Discussion)

ITT 068*
Digital Video Effects

Prerequisite: CIS 066 or instructor consent

This course is a continuation of post-production techniques that includes but is not limited to compositing, chromakeying, rotoscoping, motion tracking, matte effects, 3D production techniques and motion graphics. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

ITT 070*
Python

The course teaches the fundamentals of programming using the Python language. Coursework focuses on building a problem-solving skillset and automation of tasks. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 071*
Web Scripting I

Prerequisite: CIS 099 and CIS 156

This course focuses on applying HTML5, CSS3, Javascript and JavaScript Frameworks for developing web applications and browser extensions. Students will learn JavaScript's latest features through experiential learning. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 072*
Web Scripting II

Prerequisite: ITT 071

This course focuses on developing applications using a web framework. Hands-on coursework includes using the Linux operating system to test and manage projects, the command line, web server management and database implementation. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 076*
Intro to OS and Security*

An introduction to computer systems administration, including operating system installation, configuration and management and an overview of the security concepts necessary to protect those systems. Leads toward Google IT Support Professional Certificate completion. (Repeatable 3 Times)

(3 credits, 3 Lecture)

ITT 083*
Systems Design

Prerequisite: CIS 095 and ITT 072

This course, the capstone for the IT-Programming concentration, approximates a team-based development environment, using version control software and agile development principles. Hands-on projects will include front-end and back-end app development, proper object-oriented programming and database implementation. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

ITT 090
IT Internship

Designed to give Information Technology students on-the-job experience. The students must work in the community in a computer-related area. (Repeatable 3 Times)

(2 credits, 2 Work Based Learning)

INTENSIVE ENGLISH LANGUAGE (IEL---)

IEL 001*
Beg Reading/Vocabulary I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed for students with limited knowledge of English reading and vocabulary fundamentals. Students will be taught basic phonics and alphabet skills. Emphasis will be placed on reading simple passages containing basic vocabulary and expressions necessary to function in everyday life. (Repeatable 3 Times)

Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

IEL 003*
Beg Grammar/Writing I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is intended for students with limited knowledge of English grammar and writing. Students will be taught sentence structure and rules of grammar and will begin to use English in writing simple sentences and basic paragraphs. (Repeatable 3 Times)

Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

IEL 005*
Beg Speaking/Listening I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed for students with limited knowledge of spoken English. Students will concentrate on improving oral English skills in order to function in everyday life and in academic settings. Practice will include working with phonics, conversation, and listening. (Repeatable 3 Times)

Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/ Lab-Discussion)

IEL 007*
Int Reading/Vocabulary I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language taff.

The course is intended to develop vocabulary and reading at the intermediate level. Students will review phonics, expand vocabulary, practice outlining and summarizing and increase their comprehension through work on reading for the main idea, and recognizing supporting details. (Repeatable 3 Times)

Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

IEL 009*
Int Grammar/Writing I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed to increase knowledge of grammar and writing techniques at the intermediate level. Students will review and expand on English grammar rules and sentence structures and will use English to write compound and complex sentences, paragraphs and short papers. (Repeatable 3 Times)

Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

IEL 011*
Int Speaking/Listening I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed to improve speaking and listening skills at the intermediate level. Students will expand their ability to converse in English and work on improving their oral skills for everyday interaction and for academic settings. (Repeatable 3 Times)

Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

IEL 013*
Adv Reading/Vocabulary I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed to improve reading and vocabulary skills for students at the advanced level. Emphasis will be placed on expanding vocabulary and developing the ability to read college level texts, newspapers, magazines, and journals. (Repeatable 3 Times)

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

IEL 015*
Adv Grammar/Writing I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed to assist the non-native speaker in attaining an advanced knowledge of English grammar and writing. Students will study skills needed in college level composition classes. (Repeatable 3 Times)

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

IEL 017*
Adv Speaking/Listening I

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed to improve speaking and listening skills for students at the advanced level. English of a more complex nature will be stressed. Emphasis will be on oral communication skills for academic application. (Repeatable 3 Times)

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

IEL 019
Beg English Non-Native Speaker

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed for students with limited knowledge of English. Students will be introduced to basic English phonics and alphabet skills and will begin to learn reading, grammar, speaking and listening in English.

Course Level Fee 1 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

IEL 021
Int English Non-Native Speaker

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is intended to develop vocabulary, reading, grammar and oral English skills at the intermediate level. Students will review and expand reading and writing skills and improve oral English skills.

Course Level Fee 1 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

IEL 023
Adv English Non-Native Speaker

Prerequisite: Placement in the course is based upon formal and informal assessment by Intensive English Language staff.

The course is designed for students at the advanced level. Emphasis will be placed on attaining an advanced proficiency in reading, grammar and writing, speaking and listening as it relates to academic achievement and success.

Course Level Fee 1 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

JOHN DEERE TECH (JDA---)

JDA 041
John Deere SOE I

Prerequisite: ENG 050 or ENG 120 and JDA 080, JDA 073, JDA 091, JDA 111, TEC 048, JDA 071, JDA 086, JDA 092, ECO 130, JDA 072, JDA 094 and HED 178 or instructor consent

Students will receive on-the-job experience in a John Deere dealership. This will allow them to practice and utilize the skills and knowledge learned previously. This work will be supervised by the sponsoring dealership and a Lake Land College John Deere Ag Tech instructor.

Course Level Fee 3 (2 credits, 10 Work Based Learning)

JDA 042
John Deere SOE II

Prerequisite: JDA 041

Students will receive on-the-job experience in a John Deere dealership. This will allow them to practice and utilize the skills and

knowledge learned previously. This work will be supervised by the sponsoring dealership and a Lake Land College John Deere Ag Tech instructor.

Course Level Fee 4 (4 credits, 20 Work Based Learning)

JDA 043
John Deere SOE III

Prerequisite: JDA 042, JDA 087, JDA 050, JDA 051, SPE 111, JDA 095, JDA 082 and JDA-113 or instructor consent

Students will receive on-the-job experience in a John Deere dealership. This will allow them to practice and utilize the skills and knowledge learned previously. This work will be supervised by the sponsoring dealership and a Lake Land College John Deere Ag Tech instructor.

Course Level Fee 4 (4 credits, 20 Work Based Learning)

JDA 050
John Deere Engine Systems

An introduction to John Deere engines and their systems. Basic theory of engine principles will be discussed along with diagnosis and repair of intake and exhaust, cooling, lubrication systems, cylinder heads, bearings and crankshafts.

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

JDA 051
JD Tillage & Seeding Equipment

This class is an introduction to John Deere tillage and seeding equipment, including theory and principles of operation, set-up and adjustment, troubleshooting and repair.

Course Level Fee 2 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

JDA 054
JD Turf & Utility Equipment

Prerequisite: JDA 080 and JDA 073 and JDA 111

This course is a study of John Deere consumer and commercial equipment. Operation, diagnosis and repair of internal combustion engines, engine ignition systems, electrical and safety systems, fuel systems and mowing attachments will be covered.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

JDA 071
John Deere Power Trains

Theory of power transmission from engine to traction wheels. Includes the function and operation of gears, chains, clutches, planetary gears, drive lines, differentials and transmissions. Complete disassembly, inspection and reassembly of John Deere components will occur. Also, diagnosis, repair and adjustment of John Deere transmissions will be covered.

Course Level Fee 3 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

JDA 072
JD Advanced Power Trains

Prerequisite: JDA 071

Students will put into practice the theories of diagnosis, disassembly, inspection, repair and reassembly of John Deere power train components. These components will include clutches, transmissions, differentials and final drives for both combines and tractors.

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

JDA 073
JD Shop Skills & Fundamentals

Procedures with respect to shop safety and organization, identification and proper use of tools, use of measuring equipment, plus orientation to John Deere manuals, warranty procedures, shop tickets and product identification evolution.

Course Level Fee 2 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

JDA 080
John Deere Electrical Systems

Basic electrical principles and applications of magnetism, electromagnetism and the safe utilization of electrical test meters. Principles of operation, testing and repair of ignition systems, cranking systems and charging systems will be demonstrated and practiced.

Course Level Fee 3 (3.5 credits, 2 Lecture, 3 Lab/Lab-Discussion)

JDA 082
JD Advanced Elect/Electronic Sys

Prerequisite: JDA 080

Designed to develop and strengthen the student's knowledge in electrical/electronic systems. Upon completion, the student will be able to properly use service equipment to diagnose electronically controlled components and monitor systems used on tractors, planting and harvesting equipment.

Course Level Fee 3 (3.5 credits, 1.5 Lecture, 4 Lab/Lab-Discussion)

JDA 086
John Deere Combine Production

Prerequisite: JDA 080 and JDA 091 and TEC 048 and JDA 111 and JDA 073

This course is a study of the theory and principles of operation of John Deere conventional and STS combines, corn heads and grain platforms. Pre-delivery, set-up and adjustment of combines and headers will be performed.

Course Level Fee 3 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

JDA 087
John Deere Fuel Systems

Prerequisite: JDA 042 or instructor consent

Basic understanding of the operating principles of John Deere fuel systems. Students will also learn diagnosis, removal, installation and repair of John Deere mechanical and electrical-electronic fuel system components.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

JDA 091
John Deere Hydraulics I

Prerequisite: Enrolled in John Deere Tech Program

Covers principles and application of theory, construction, fluid flow and testing of components used on John Deere tractors, combines and consumer and commercial equipment.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

JDA 092
John Deere Hydraulics II

Prerequisite: JDA 091

A study of John Deere tractor and combine and sprayer hydraulic systems. Emphasis will be placed on diagnosis and repair of hydraulic and hydrostatic drive systems.

Course Level Fee 2 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

JDA 094
John Deere Air Cond Systems

Theory and principles of operation, diagnosis, and repair of John Deere heating and air conditioning systems. Students will also become certified to comply with state and federal laws.

Course Level Fee 3 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

JDA 095
John Deere Equip Diagnostics

This class will provide the student with an opportunity to develop proper diagnostic skills needed at a dealership.

Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

JDA 111*
John Deere Ag Software

Use of computers as required by John Deere dealership service employees. Emphasis will be on locating service diagnostic and repair information. (Repeatable 1 Time)

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

JDA 113*
John Deere Apex Software

Use of computers and machines to become familiar with precision agriculture and global positioning systems installed on farm equipment and proper operation and repair of these units. (Repeatable 3 Times)

Course Level Fee 1 (2 credits, 2 Lecture)

JDA 114
John Deere Hay Equipment

Prerequisite: Enrollment in the John Deere Tech Program

This course introduces students to John Deere Hay equipment. This equipment includes mower-conditioners, hay rakes, small square balers, and large round balers.

Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

LIBRARY (LIB---)

LIB 120*
Introduction to Generative AI

This course introduces generative artificial intelligence (AI), its foundation in machine learning and workplace applications. Students will use current tools and critically examine ethical and legal implications. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

LITERATURE (LIT---)

LIT 130
Intro to Literature
IAI H3 900
Students will read, examine and discuss a variety of literary works from different genres as a way to analyze and understand the value, purpose and components of literature.
(3 credits, 3 Lecture)

LIT 144
Introduction to Shakespeare
Introduction to Shakespeare as a literary and dramatic writer; Examination of individual plays; relationships, cultural, ideological, theatrical contexts and aspects.
(3 credits, 3 Lecture)

LIT 147
Introduction to Fiction
IAI H3 901
Students will read, discuss and analyze short stories and novels written by different authors from a variety of time periods as a way of appreciating and understanding the purposes, forms, terms and critical approaches associated with these two literacy modes.
(3 credits, 3 Lecture)

LIT 150
Children's Literature
Study of various forms and types of literature for the intellectual stimulation of the small child and storytelling and oral interpretation techniques.
(3 credits, 3 Lecture)

LIT 252
Multicultural American Lit
IAI H3 910D
This course is an introduction to the literary and cultural traditions of Native American, African American and Latino/Hispanic American people and to general issues of cultural marginalization of minorities in the American experience.
(3 credits, 3 Lecture)

MACHINE TOOL TECHNOLOGY (MTT---)

MTT 050
Intro to Machining Procedures
A study designed to highlight the theory and application of cutoff machines, drill press, engine lathe, milling machines and basic benchwork involving layout and hand tools.
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MACHINE TOOL TECHNOLOGY CBE (MTTC---)

MTTC 050
Intro to Machining Procedures
A study designed to highlight the theory and application of cutoff machines, drill press, engine lathe, milling machines and basic benchwork involving layout and hand tools.
Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MANUFACTURING MAINTENANCE (MMP---)

MMP 040
Manufacturing Maintenance I
This course provides students with an introduction to the fundamentals of manufacturing and the maintenance associated with manufacturing processes. Topics include safety in the industrial setting, basic shop skills for manufacturing maintenance and maintenance reliability.
(4.5 credits, 3.5 Lecture, 2 Lab/Lab-Discussion)

MMP 042
Manufacturing Maintenance II
This course provides students with an introduction to the fundamentals of manufacturing and the maintenance associated with manufacturing process. Topics include material handling, mechanical systems, lubrication and fluid power.
(3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

MMP 048
Manufacturing Maintenance V
This course provides students with an introduction to the fundamentals of analyzing and troubleshooting a manufacturing process. Topics include problem solving and root cause analysis.
(1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

MASSAGE THERAPY (MAS---)

MAS 055
Massage Therapy I
Prerequisite: Admission to the Program
Corequisite: MAS 055L
This course serves as an introduction to the basic principles and Swedish massage techniques. It provides a historical overview of massage therapy and specific areas of massage practice, including safety, infection control, draping, body mechanics, self-care and client positioning.
Course Level Fee 3 (2 credits, 2 Lecture)

MAS 055L
Massage Therapy I Lab
Prerequisite: Admission to the Program
Corequisite: MAS 055
This lab serves as an introduction to the massage equipment and supplies and the preparation for the massage therapist. Students will perform the basic principles of Swedish massage techniques, including safety, infection control, draping, body mechanics, self-care and client positioning.
Course Level Fee 3 (2 credit, 4 Lab/Lab-Discussion)

MAS 056
Pathology/Massage Therapist
Prerequisite: MAS 055
This course covers the nature and cause of diseases, which involves changes in structure, function and conditions produced by the diseases. Students will understand the effects of specific massage and how to select the most appropriate techniques for the condition.
(2 credits, 2 Lecture)

MAS 057
Massage Kinesiology
Prerequisite: BIO 050
This course provides the basic structure and function of the musculoskeletal system of the human body and basic theory of anatomy and physiology. The students will learn the origin, insertion and action of the major muscles of the human body.
(3 credits, 3 Lecture)

MAS 058
Legal Documentation for MT
This course is designed to introduce the student to legal documentation using different formats while learning massage abbreviations and medical terminology.
(2 credits, 2 Lecture)

MAS 065
Massage Therapy II
Prerequisite: MAS 055
Corequisite: MAS 065L
This course introduces students to different types of massages, including chair massage, sports massage and special population massages. Students will perform deep tissue massage, trigger point release and myofascial release.
Course Level Fee 3 (2 credits, 2 Lecture)

MAS 065L
Massage Therapy II Lab
Prerequisite: MAS 055
Corequisite: MAS 065
This lab serves to introduce students to different types of massages, including chair massage, sports massage and special population massages. Students will perform deep tissue massage, trigger point release and myofascial release.
Course Level Fee 3 (2 credits, 4 Lab/Lab-Discussion)

MAS 071
Ethics for Massage Therapist
This course will discuss ethics dealing with a variety of situations that can occur between therapist and client. The Massage Therapist Code of Ethics will be reviewed. Students will learn about state laws and regulations governing massage therapy and licensure.
(2 credits, 2 Lecture)

MAS 077
Massage Clinic I
Prerequisite: MAS 055 and MAS 055L
This course is a supervised in house clinical practicum, in which the students will apply newly acquired skills of therapeutic massage to clients.
Course Level Fee 3 (1.5 credits, 3 Lab/Lab-Discussion)

MAS 080
Massage Therapy III
Prerequisite: MAS 065
Corequisite: MAS 080L
This course introduces the student to lymph massage, reflexology, energetic work and hydrotherapy. Students will apply heat and cold and spa techniques, including aromatherapy, exfoliation and body wraps.
Course Level Fee 3 (2 credits, 2 Lecture)

MAS 080L
Massage Therapy III Lab

Prerequisite: MAS 065

Corequisite: MAS 080

This lab introduces the student to lymph massage, reflexology, energetic work and hydrotherapy. Students will apply heat and cold and spa techniques, including aromatherapy, exfoliation and body wraps.

Course Level Fee 3 (2 credits, 0 Lecture, 4 Lab/Lab-Discussion)

MAS 087
Massage Clinic II

Prerequisite: MAS 077

This course is a supervised, in-house clinical practicum in which the students will apply new and previously acquired skills of therapeutic massage to clients.

Course Level Fee 3 (1.5 credits, 3 Lab/ Lab-Discussion)

MATHEMATICS (MAT---)

MAT 090
Math for Computer Applications

Prerequisite: Placement by assessment

Covers mathematical concepts used in the computer and business field. Topics include algebra; addition, subtraction, multiplication, division of decimals and fractions; hexadecimal, binary and octal number systems. Problem-solving techniques will be used to solve business-related narrative problems.

(3 credits, 3 Lecture)

MAT 115
General Education Pathway

IAI M1 904

Prerequisite: Placement by assessment. QL/Stats Transitional Math (TM002).

Survey of mathematical topics including set theory, consumer/financial math, measurement and statistics. Problem-solving projects involving detailed written solutions required. Calculators and computers will be used. Intended for students that don't assess directly into MAT 116. Includes supplemental instruction lab.

Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

MAT 116
General Education Math

IAI M1 904

Prerequisite: Placement by assessment or MAT 124 or MAT 129 with a grade of "C" or higher or STEM Transitional Math (TM001).

Survey of mathematical topics with emphasis on solutions to real-life problems. Topics will include set theory, consumer/financial math, measurement, and statistics. Problem-solving projects involving detailed written solutions will be required. Calculators and computers will be used.

(3 credits, 3 Lecture)

MAT 118
Math for Elem Teachers I

Prerequisite: Placement by assessment or either MAT 115, MAT 124 or MAT 129 with a grade of "C" or higher or STEM Transitional Math (TM001).

A course designed for Elementary Education majors. Topics include number theory, development of numeration systems, sets, functions, mathematical reasoning and problem solving. Counts as general education requirement for elementary education majors when taken in sequence with MAT 218. Calculator usage defined.

(3 credits, 3 Lecture)

MAT 124
Statistics Pathway

IAI M1 902

Prerequisite: Placement by assessment. QL/Stats Transitional Math (TM002).

Application of elementary principles of descriptive statistics including frequency distribution, graphical presentation, measures of center, location and variation. Elements of probability, sampling techniques, binomial and normal distribution, correlation/regression and hypothesis testing. Graphing calculator and Excel required. Intended for students that don't assess directly into MAT 125 Statistics. Includes supplemental instruction lab.

Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

MAT 125
Statistics

IAI M1 902

Prerequisite: Placement by assessment or MAT 115 or MAT 129 with a grade of "C" or higher or STEM Transitional Math (TM001).

Application of elementary principles of descriptive statistics, including frequency distribution, graphical presentation, measures of center, location and variation. Elements of probability, sampling techniques, binomial and normal distribution, correlation/regression and hypothesis testing. Graphing calculator and Excel required.

(3 credits, 3 Lecture)

MAT 129
College Algebra Pathway

Prerequisite: Placement by assessment or either MAT 115 or MAT 116 or MAT 124 or MAT 125 with a grade of "C" or higher or STEM Transitional Math (TM001).

Develop concepts of a function and graph, inverse, exponential and logarithmic functions, theory of equations, systems of equations, sequences and series. Graphing calculator required. Intended for students who do not assess directly into MAT 130 College Algebra. Includes supplemental instruction lab.

(5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

MAT 130
College Algebra

Prerequisite: Placement by assessment.

Develop concepts of a function and graph, inverse, exponential and logarithmic functions, theory of equations, systems of equations, sequences and series. Graphing calculator required.

(4 credits, 4 Lecture)

MAT 132
Trigonometry

Prerequisite: Placement by assessment or either MAT 129 or MAT 130 with a grade of "C" or higher.

Develop the definitions, properties and graphical characteristics of trigonometric functions. Include radian measure, trigonometric identities and equations, solutions of oblique and right triangles and inverse trigonometric functions and polar coordinates. Graphing calculator required.

(3 credits, 3 Lecture)

MAT 160
Computer Science I

IAI CS 911

Prerequisite: Placement by Assessment or either MAT 129 or MAT 130 with a grade of "C" or higher or STEM Transitional Math (TM001).

Introduction to an object-oriented programming language using a disciplined approach to problem-solving, algorithm development as well as procedural and data abstraction. Covers selection, repetition, sequence control structures, program design, records and files, testing and documentation.

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MAT 165
Computer Science II

Prerequisite: MAT 160

Covers principles of object-oriented programming and fundamental data structures. Students apply concepts, such as inheritance, polymorphism and abstraction while implementing linked lists, stacks, queues, trees and sorting/searching algorithms. Emphasis on program design, modular development, recursion and analysis of efficiency.

(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MAT 210
Finite Mathematics

IAI M1 906

Prerequisite: Placement by assessment or either MAT 129 or MAT 130 with a grade of "C" or higher.

An introduction to Finite Mathematics, matrices, linear systems of equations and inequalities, linear programming, counting theory and probability.

(3 credits, 3 Lecture)

MAT 211
Math Analysis

IAI M1 900B

Prerequisite: Placement by assessment or either MAT 129 or MAT 130 with a grade of "C" or higher.

This course covers mathematical analysis of polynomial calculus with applications to business and social sciences. It includes the mathematics of finance, techniques and applications of differentiation and integration, optimization theory and area. Graphing calculator required.

(4 credits, 4 Lecture)

MAT 218
Math for Elem Teachers II
IAI M1 903
Prerequisite: MAT 118 with grade of "C" or higher
The study of the concepts and theory of measurement and geometry via the problem-solving approach, using both calculators and microcomputers throughout. Designed for Elementary Education majors. Counts as general education requirement for elementary education majors when taken in sequence with MAT 118.
(3 credits, 3 Lecture)

MAT 241
Analytical Geometry and Calculus I
IAI M1 900-1, MTH 901
Prerequisite: Placement by assessment or a grade of "C" or higher in MAT 132.
Differential and integral calculus of elementary functions of one variable, such as polynomial, rational, radical, trigonometric, inverse trigonometric, exponential and logarithmic functions, will be covered. Applications include rates of change, optimization, curve sketching and area. A graphing calculator is required. Ask instructor for calculator recommendations.
(5 credits, 5 Lecture)

MAT 242
Analytical Geometry and Calculus II
IAI M1 900-2, MTH 902
Prerequisite: MAT 241 with grade of "C" or higher
A continuation of Calculus I with emphasis on different methods of integration and applications, L`Hôpitals Rule, sequences, series, power series, Taylor series and Maclaurin series. A graphing calculator is required.
(4 credits, 4 Lecture)

MAT 243
Analytical Geometry and Calculus III
IAI M1 900-3, MTH 903
Prerequisite: MAT 242 with grade of "C" or higher
A continuation of analytic geometry and calculus II. The focus is on solid analytic geometry, vectors, partial derivatives, line, volume and surface integrals in various coordinate systems and vector fields. A graphing calculator is required. Ask instructor for calculator recommendations.
(4 credits, 4 Lecture)

MAT 245
Differential Equations
IAI MTH 912
Corequisite: MAT 243
Designed for pre-engineering students and others who need a working knowledge of ordinary differential equations.
(3 credits, 3 Lecture)

MAT 255
Linear Algebra
IAI MTH 911
Corequisite: MAT 241
A first course in linear algebra covering linear systems, matrices, determinants, vector spaces, inner product spaces and eigenvalues and eigenvectors, including proofs of theorems and propositions in each topic.
(3 credits, 3 Lecture)

MAT 260
Discrete Math
Prerequisite: Placement by Assessment or either MAT 129 or MAT 130 with a grade of "C" or higher.
Introduction to discrete structures essential to computer science, including sets, logic, counting, recursion, graphs, trees, nets and Boolean algebra. Applying problem-solving techniques, analyzing algorithms and constructing models that support computational reasoning and efficient program design are emphasized.
(3 credits, 3 Lecture)

MECHANICAL ELECTRICAL TECH (MET---)

MET 043
Motors and Generators
Prerequisite: EET 050 or MET 042
This course focuses on the installation, maintenance and application of motors, equipment and controls.
Course Level Fee 1 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

MET 045*
Mechanical Drive Systems
This course is designed to provide a basic understanding of mechanical drive systems and components. Students will learn industry-relevant skills, including how to install, analyze performance, maintain and troubleshoot heavy-duty mechanical transmission systems. (Repeatable 3 Times)
Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

MET 076*
Mechanical Electrical SOE I
Prerequisite: Must have completed 16 semester hours of MET AAS degree and approval of the instructor.
Designed to promote on-the-job experience in mechanical electrical technology while applying skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site (75 hours). (Repeatable 3 Times)
(1 credit, 1 Work Based Learning)

MET 077*
Mechanicial Electrical SOE II
Prerequisite: Must have completed 16 semester hours of MET AAS degree and approval of the instructor.
Designed to promote on-the-job experience in mechanical electrical technology while applying skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site (150 hours). (Repeatable 3 Times)
(2 credits, 2 Work Based Learning)

MET 078*
Mechanical Electrical SOE III
Prerequisite: Must have completed 16 semester hours of MET AAS degree and approval of the instructor.
Designed to promote on-the-job experience in mechanical electrical technology while applying skills and knowledge learned in the program. The employers and supervising instructors work closely with the student in an off-campus job site (225 hours). (Repeatable 3 Times)
(3 credits, 3 Work Based Learning)

MET 080
Solid State Devices & Apps
Prerequisite: EET 050 or MET 042
Provides the student with a basic understanding of the most frequently used discrete semiconductors. Analog and digital integrated circuits also are studied.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MET 084
Technical Mechanisms
Prerequisite: TEC 054, CAD 056 and APT 042
Focuses on motion analysis of mechanical system components, such as linkages, slider-crank mechanisms, working connectors, cams, gears and gear trains.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MEDICAL ASSISTANT (MAP---)

MAP 070
Med Assist Pathophysiology I
Corequisite: MAP 072
This course provides a comprehensive study of the anatomy and physiology of the structure and function of major organs, medical terminology, commonly prescribed medications, common diseases and diagnostic testing associated with the musculoskeletal, integumentary, nervous, skeletal, cardiovascular and urinary body systems.
Course Level Fee 3 (4 credits, 4 Lecture)

MAP 072
Med Assist Skills I
Corequisite: MAP 070
This course prepares students for basic clinical office practice, including obtaining patient information and documentation. The student is introduced to practices, procedures and role of the assistant in preparation for examination and treatment of the patient throughout the lifespan.
Course Level Fee 4 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

MAP 074
Medical Office Procedures I
Prerequisite: MAP 070, MAP 072 and MAP 078
This course provides a hands-on overview of medical office software through practical applications of medical assistant competencies, such as professional office

skills, keyboarding, document formatting, telephone techniques and assisting with medical specialties.

Course Level Fee 3 (4 credits, 4 Lecture)

MAP 076
Medical Office Procedures II

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074 and MAP 078 with a "C" or better

This course provides an advanced hands-on overview of medical office software through practical applications of medical assistant competencies such as professional office skills, coding and billing procedures, patient accounts, preparing insurance claims and posting insurance payments.

Course Level Fee 3 (3 credits, 3 Lecture)

MAP 078
Med Assist Pharmacology I

Prerequisite: MAP 070, MAP 072 and MAP 074

This course introduces concepts and applications of pharmacological principles and focuses on drug classifications, including the top 100 drugs commonly seen in the medical office and medico-legal responsibilities of the medical assistant.

Course Level Fee 3 (2 credits, 2 Lecture)

MAP 080
Med Assist Pathophysiology II

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074 and MAP 078 with a "C" or better

This course provides a comprehensive study of the anatomy and physiology of the structure and function of major organs, medical terminology, medications, diseases and diagnostic testing and treatments associated with the respiratory, digestive, endocrine, reproductive and blood and lymph systems.

Course Level Fee 3 (4 credits, 4 Lecture)

MAP 082
Med Assist Skills II

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074 and MAP 078 with a "C" or better

This course continues to prepare students for basic medical office practice through examination and treatment of the patient throughout the lifespan, including diagnostic imaging, laboratory and electrocardiography procedures and skills.

Course Level Fee 4 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

MAP 084
Med Assist Pharmacology

Prerequisite: Admission into NDP.MAP. Sarah Bush Employees only.

This course introduces concepts and applications of pharmacological principles, focusing on drug classifications, principles and procedures of medication administration, calculation of drug problems and medicolegal responsibilities of the medical assistant.

Course Level Fee 4 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MAP 086
Med Assist Seminar

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074 and MAP 078 with a "C" or better

This course includes resume preparation, job searches, interviewing skills, communication styles, medical law and ethics and the role/responsibilities of the medical assistant. The student will be prepared for the credentialing exam with test-taking strategies and study techniques.

Course Level Fee 4 (3 credits, 3 Lecture)

MAP 088
Med Assist Pharmacology II

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074 and MAP 078 with a "C" or better

This course introduces concepts and applications of the principles and procedures of medication administration for all routes and calculation of drug problems.

Course Level Fee 4 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

MAP 090
Med Assist Externship

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074, MAP 078, MAP 080, MAP 082, MAP 086 and MAP 088 with a "C" or better

Corequisite: MAP 091

This course provides students with work-based experience that utilizes skills learned during the program and provides application in a physician's office or the ambulatory setting. Students must complete 160 hours.

Course Level Fee 4 (2 credits, 2 Work Based Learning)

MAP 091
Med Assist Externship Seminar

Prerequisite: Successful completion of MAP 070, MAP 072, MAP 074, MAP 078, MAP 080, MAP 082, MAP 086 and MAP 088 with a "C" or better

Corequisite: MAP 090

This course provides students with work-based experience that utilizes skills learned during the program and provides application to different scenarios and office interactions they might encounter as a CMA.

(1 credit, 1 Lecture)

MAP 092
Clinical Skills

Prerequisite: Admission into NDP.MAP. Sarah Bush employees only.

This course prepares a CNA to perform the various clinical skill sets of the medical assistant in preparing for examination and treatment of patients in various life stages.

Course Level Fee 4 (4 credits, 3 Lecture, 4 Lab/Lab-Discussion)

MAP 094
Med Assist A & P

Prerequisite: Admission into NDP.MAP. Sarah Bush employees only.

This course provides an accelerated study of the anatomy and physiology of the structure and function of major organs, medical terminology, common diseases and diagnostic testing associated with the body systems.

Course Level Fee 2 (3 credits, 3 Lecture)

MAP 096
Capstone

Prerequisite: Sarah Bush employees only

This course is designed to increase the Certified Nurse Assistant's knowledge of managed care delivery systems, front office processes and ethical and legal issues for medical assistants. Test-taking strategies and study techniques for certification are included.

Course Level Fee 4 (3 credits, 3 Lecture)

MEDICAL CODING SPECIALIST (MCS---)

MCS 040
Health Information for Professionals

An introduction and overview to health information management. The course will cover the history and the many applicable fields available to a health information management specialist. Students will explore the different areas of health information.

(3 credits, 3 Lecture)

MCS 041
Medical Office Terminology

A medical professional's course in medical terminology. Students will receive word parts going over primary terms, then review structure and functions of the body systems so they can relate those to medical specialists, pathology, diagnostics and treatment procedures.

(3 credits, 3 Lecture)

MCS 042*
HIT Applications I

Foundational course designed to equip students with essential skills needed to navigate and utilize practice management and electronic health record software. Using MOSS 4.0 software, students will gain hands-on experience in a simulated medical office environment. (Repeatable 3 Times)

(3 credits, 3 Lecture)

MCS 043*
HIT Applications II

Prerequisite: MCS 050, MCS 055 or MCS 070

Corequisite: MCS 098

This course is designed to equip students with essential technological skills for a successful career in medical coding. Utilizing the AHIMA Vlab software, students will gain hands-on experience with the coding systems and tools used in real-world healthcare settings. (Repeatable 3 Times)

(2 credits, 2 Lecture)

MCS 050
Principles of CPT Coding

A beginner's course for the CPT coding system. This class will provide students with a general understanding of the format and guidelines necessary for CPT coding.

(3 credits, 3 Lecture)

MCS 051
Math for Medical Coders

This course equips students with essential mathematical skills needed to code medical procedures and diagnoses accurately. This course will cover a range of mathematical concepts, from basic arithmetic to more complex calculations, specifically tailored to the needs of medical coders.

(2 credits, 2 Lecture)

MCS 055
Principles of ICD-10-CM Coding

A beginner's course in ICD-10-CM coding and guidelines. Students will be introduced to a wide variety of coding segments and body systems.

(3 credits, 3 Lecture)

MCS 056
Credentialing/Emerging Coding

Prerequisite: MCS 050 and MCS 055

This course covers HCPCS coding, basic physician credentialing, prior authorizations for procedures and pharmacies and various Medicare tools and regulations.

(3 credits, 3 Lecture)

MCS 057
Quality Improvement in Healthcare

This course is designed to focus on quality improvement, information integrity, information governance and clinical documentation improvement in a variety of healthcare settings.

(3 credits, 3 Lecture)

MCS 060
Medical Ins Reimbursement

An advanced course concerning medical insurance billing and reimbursement. This course will focus on insurance companies such as Blue Cross and Blue Shield, Medicare, and Medicaid.

(3 credits, 3 Lecture)

MCS 065
Adv CPT Coding and Modifiers

An advanced course that explores the different subsections of the CPT and correct coding of procedures. Students will familiarize themselves with CPT coding by coding case studies and scenarios.

(3 credits, 3 Lecture)

MCS 068
Medical Management and Ethics

Prerequisite: MCS 040

This course covers the management of a medical office as well as ethics, biomedical ethics and ethical challenges affecting the medical manager.

(3 credits, 3 Lecture)

MCS 070
Principles of ICD-10-PCS

This course teaches healthcare professionals how to accurately code medical procedures using the ICD-10-PCS coding system. Participants will learn the structure, rules and applications of ICD-10-PCS to ensure accurate billing and reimbursement.

(3 credits, 3 Lecture)

MCS 071*
Inpatient Coding

This is a comprehensive course designed to equip students with the knowledge and skills necessary to accurately code inpatient hospital services. Topics include reimbursement, coding and processed related to inpatient services. (Repeatable 3 Times)

(3 credits, 3 Lecture)

MCS 075
Hospital-Med Coding Internship

Prerequisite: PNC 055, BIO 050, MCS 050 and MCS 055

This course provides students with the opportunity to intern in a hospital setting. It provides supervised work experience coordinated with a healthcare systems related employer. A minimum of 62.5 hours of internship time is required for one credit hour.

Course Level Fee 1 (1 credit, 5 Lab/Lab-Discussion)

MCS 080
Clinic-Med Coding Internship

Prerequisite: PNC 055, BIO 050, MCS 050 and MCS 055

This course provides students with the opportunity to intern in a clinic setting. It provides supervised work experience coordinated with a healthcare systems related employer. A minimum of 62.5 hours of internship time is required for one credit hour.

Course Level Fee 1 (1 credit, 0 Lecture, 5 Lab/Lab-Discussion)

MCS 085
Hospital Coding Certification Prep

Prerequisite: MCS 060, MCS 065 and MCS 070 or instructor consent

An exam preparation course that will provide students with a comprehensive review for the CPC-H and CCS exams.

(1 credit, 1 Lecture)

MCS 090
Clinic Coding Certification Prep

Prerequisite: MCS 060, MCS 065 and MCS 070 or instructor consent

An exam preparation course that will provide students with a comprehensive review for the CPC and CCS-P exams.

(1 credit, 1 Lecture)

MCS 091
Healthcare Statistics

Prerequisite: AHE 055

This course is a statistics class focused on calculating and reporting healthcare statistics and the common formulas used by hospitals and physician offices.

(3 credits, 3 Lecture)

MCS 092
Health Information and the Law

This is an advanced course focused on the American Legal System and the impact the law has in health information.

(3 credits, 3 Lecture)

MCS 093
Medical Record Documentation

This course is designed to provide healthcare professionals with a comprehensive understanding of medical record documentation principles and practices. Participants will learn about the legal, ethical and clinical implications of accurate and complete documentation.

(3 credits, 3 Lecture)

MCS 098
Medical Coding Capstone

Prerequisite: MCS 055, MCS 050 or MCS 070

Corequisite: MCS 043

A capstone course concentrating on all areas of coding and health information offering exam preparation for AAPC and AHIMA exams.

(1 credit, 1 Lecture)

MILITARY SCIENCE (MSL---)

MSL 101
ROTC-Leadership Personal Development

Cadets to the Army and the Profession of Arms. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model. Cadets also learn how resiliency and fitness support their development as a leader.

(1 credit, 1 Lecture)

MSL 102
ROTC-Intro to Tactical Leadership

Prerequisite: MSL 101

Cadets will learn about personal development of life skills such as critical thinking, time management, goal-setting and communication. Cadets will begin learning the basics of squad- level tactics that will be reinforced during a weekly leadership lab.

(1 credit, 1 Lecture)

MSL 201
Leadership and Decision Making

Cadets will demonstrate critical and creative thinking and the ability to apply Troop Leading Procedures (TLPs) to develop innovative solutions to problems. Students apply knowledge in a hands-on environment through exercises, such as team building and field training.

(2 credits, 2 Lecture)

MSL 202
Army Doctrine & Team Development

This course focuses on Army doctrine and team development. Army values, teamwork, warrior ethos and their relationship to the philosophy of military service are stressed. The ability to lead and follow is also covered through team-building exercises at squad level.

(2 credits, 2 Lecture)

MUSIC (MUS---)

MUS 104*
Lake Land Community Choir

Instruction in choral music and experience. (Repeatable 3 Times)

Course Level Fee 1 (1 credit, 2 Lab/Lab-Discussion)

MUS 150
Music in American History & Culture
IAI F1 904
A survey of the musical forms and styles in the United States from the music of the early colonists to the popular music of today. Musical forms and styles are considered in their cultural context.
(3 credits, 3 Lecture)

MUS 229
Understanding Music
IAI F1 900
A survey of the musical forms and styles associated with classical music, focusing on representative musical masterworks and their composers. This music is presented in both a historical and a cultural framework.
(3 credits, 3 Lecture)

PHILOSOPHY (PHI---)

PHI 232
World Religions
IAI H4 905
This course is designed to promote cultural diversity associated with religious practices. It includes a survey of religious systems and examines concepts and theories related to the nature of deities, good and evil, reason and faith, ethics and afterlife.
(3 credits, 3 Lecture)

PHI 270
Introduction to Philosophy
IAI H4 900
An introduction to philosophical questioning and reasoning. This course will include a survey of western philosophy focusing on the development of specific branches within the field, including epistemology, metaphysics, ethics, philosophy of science and social/political philosophy.
(3 credits, 3 Lecture)

PHI 280
Ethics
IAI H4 904
Introduction to issues and theories of ethics. Includes survey of major value systems and contemporary issues.
(3 credits, 3 Lecture)

PHI 290
Intro to Logic
IAI H4 906
Introduction to rules of reasoning, including truth and validity, deduction and induction, language and meaning and fallacies.
(3 credits, 3 Lecture)

PHYSICAL EDUCATION (PED---)

PED 116*
Golf
Designed to help a student understand and appreciate golf. Will teach the basic skills and techniques for golf as a recreational and physical activity for all ages. (Repeatable 3 Times)
Course Level Fee 3 (1 credit, 2 Lab/Lab-Discussion)

PED 117*
Advanced Golf
Prerequisite: PED 116
Golf instruction for the advanced golfer. Course designed to increase the skill level. (Repeatable 3 Times)
Course Level Fee 3 (1 credit, 2 Lab/Lab-Discussion)

PED 141*
Weight Training
To introduce the student to the basic principles of weight training, to demonstrate and participate in various programs and to increase strength. (Repeatable 3 Times)
Course Level Fee 1 (1 credit, 2 Lab/Lab-Discussion)

PED 143*
Aerobics
The course is designed to acquaint students with different exercise routines to improve their overall physical condition, progress from an intermediate level to a more advanced level. Routines are executed to upbeat music. (Repeatable 3 Times)
Course Level Fee 1 (1 credit, 2 Lab/Lab-Discussion)

PED 152
Theory of Motor Learning
Provides a study of the different theories of the acquisition of motor skills and the nature of human locomotion.
(3 credits, 3 Lecture)

PED 160*
Trap and Skeet Shooting
Basic techniques of shooting the shotgun clay target games of trap and skeet. Students will be familiarized with the safe handling, operation and cleaning of shotguns and shot shell reloading. (Repeatable 3 Times)
Course Level Fee 4 (1 credit, 2 Lab/Lab-Discussion)

PED 172
Bsc Act Elem/Sec Child
Focuses on games and activities for elementary and secondary levels, including body mechanics, basic exercises and rhythms. Includes team games for secondary level.
(2 credits, 2 Lecture)

PED 183
Introduction to Physical Education
Focuses on the general scope, purpose, history, growth and development of physical education.
(3 credits, 3 Lecture)

PED 185
B-Ball/V-Ball Sports Officiate
Focuses on the general scope of sports officiating. Successful completion of the class allows the student to write IHSA for the officials exam.
(3 credits, 3 Lecture)

PED 209*
Aerobic Fitness
Class is designed to teach basic skills, rules and regulations and to allow students to participate in weight training and cardiovascular activities. Students will be given a grade according to the number of minutes performed in the semester. (Repeatable 3 Times)
Course Level Fee 2 (1 credit, 2 Lab/Lab-Discussion)

PED 210*
P/F Aerobic Fitness
Class is designed to teach basic skills, rules and regulations and to allow students to participate in weight training and cardiovascular activities. (Pass/Fail Course) (Repeatable 3 Times)
Course Level Fee 2 (1 credit, 2 Lab/Lab-Discussion)

PED 227
Theory of Basketball
Students are taught the necessary skills to conduct classes and coach the sport of basketball. Drills, game techniques and strategies are practiced in the lab situation. Each student will teach a unit in basketball theory.
Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PED 244
Kinesiology
Prerequisite: BIO 100, BIO 299 or BIO 225
The study of functional musculoskeletal anatomy, muscle actions, and the laws of physics used in the performance of human motion.
(4 credits, 4 Lecture)

PED 285
Fitness for Life
An individual approach to assist students to develop a lifetime of wellness through fitness. The course includes a thorough physical fitness/risk factor assessment battery. Students will be required 2 hours of physical workout a week.
Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

PHYSICAL THERAPIST ASSISTANT (PTA---)

PTA 080
Fundamentals of PTA I
Prerequisite: Admission to PTA Program
Corequisite: PTA 081
An introduction to the profession of Physical Therapy and the role of the PTA within the health profession. This course provides basic physical therapy skills including: body mechanics, transfers, bed mobility, gait training, aseptic techniques and assessment of vital signs.
Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

PTA 081
PTA Skills Lab
Prerequisite: Admission to the PTA Program
Corequisite: PTA 080
An in-house laboratory practice of skills and techniques corresponding with Fundamentals of PTA I (PTA 080). Students will observe in physical therapy settings.
Course Level Fee 3 (2.5 credits, 5 Lab/Lab-Discussion)

PTA 082
Fundamentals of PTA II

Prerequisite: PTA 080 and PTA 081

This course provides physical therapy skills, including the use of therapeutic heat and cold, electrical stimulation, massage techniques, goniometry, wound management and laboratory practice.

Course Level Fee 2 (6 credits, 4 Lecture, 4 Lab/Lab-Discussion)

PTA 083
Medical Terminology for PTA

Prerequisite: Admission to the PTA Program

This course is designed for PTA students to learn word-building methods and analyze medical terms by breaking them down into their basic components, PT abbreviations and pronunciation of medical terminology.

(2 credits, 2 Lecture)

PTA 084
PTA Pathology

Prerequisite: PTA 080 and PTA 081

This course will discuss the etiology, symptoms, risk factors, pathogenesis and prognosis of specific diseases. Medical practices for treatment of these diseases and illnesses will be discussed along with special implications for the PTA. Pharmacology will also be discussed.

(3 credits, 3 Lecture)

PTA 085
PTA Practicum III

Prerequisite: PTA 080, PTA 081 and PTA 082

A full-time, supervised clinical practice in a physical therapy facility. Students will participate in selected patient care skills and techniques learned in Fundamentals of PTA I (PTA 080), PTA Skills Lab (PTA 081) and Fundamentals of PTA II (PTA 082).

Course Level Fee 4 (2 credits, 10 Work Based Learning)

PTA 086
Neurology for the PTA

Prerequisite: PTA 082

This course will focus on the specific neuroscience concepts and principles that support rehabilitation therapy.

(2 credits, 2 Lecture)

PTA 094
Fundamentals of PTA III

Prerequisite: PTA 085 and PTA 086

This course is a continuation of the skills and knowledge used by a PTA. Concentration is on muscle testing, length testing, therapeutic exercise and postural analysis.

Course Level Fee 3 (6 credits, 4 Lecture, 4 Lab/Lab-Discussion)

PTA 095
Orthopedic Concepts & Appl

Prerequisite: PTA 085

The course focuses on different types of tissue healing and orthopedic diagnoses and rehabilitation.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

PTA 096
Fundamentals of PTA IV

Prerequisite: PTA 094, PTA 095 and PTA 097

This course emphasizes assessment and treatment of specific areas. These areas include: neurological conditions, pediatrics, geriatrics, obstetrics, cardiopulmonary, industrial and manual therapy.

Course Level Fee 3 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

PTA 097
PTA Practicum IV

Prerequisite: PTA 085, PTA 094 and PTA 095

Full-time, supervised clinical practice experience at a physical therapy facility. Students will participate in selected patient care skills and techniques learned in Fundamentals of PTA III (PTA 094) and Orthopedic Concepts and Applications (PTA 095) while continuing to progress previously learned skills.

Course Level Fee 4 (3 credits, 15 Work Based Learning)

PTA 098
PTA Seminar

Prerequisite: PTA 094, PTA 095 and PTA 097

Preparation to enter the workforce as a Physical Therapist Assistant. This course emphasizes liability issues, Medicare guidelines, administration, health insurances and ethical aspects. Licensure preparation and the exchange of clinical experiences are incorporated.

Course Level Fee 2 (2 credits, 2 Lecture)

PTA 099
PTA Practicum V

Prerequisite: PTA 096, PTA 097 and PTA 098

Final full-time supervised clinical practicum experience at a physical therapy facility to prepare as an entry-level Physical Therapist Assistant. Students will perform selected previously learned skills.

Course Level Fee 4 (4 credits, 20 Work Based Learning)

PHYSICS (PHY---)

PHY 110
Concepts of Physics

IAI P1 900L

Phenomena-oriented course, emphasizing a general understanding of the rules of physics and its connections with culture and society.

Course Level Fee 3 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

PHY 115
Astronomy

IAI P1 906

This course discusses the history and future prospects of astronomy and the influence astronomy has had on culture. Topics include the night sky, comparative planetology, the solar system and the birth and death of stars, galaxies and cosmology.

(3 credits, 3 Lecture)

PHY 130
College Physics I

IAI P1 900L

Prerequisite: MAT 132 or High School Trigonometry

This course covers Newtonian Mechanics, heat, fluid motion. Intended for students in the pre-professional areas, arts and sciences, and four year technology majors. It is not intended for students who plan to major (or minor) in physics or engineering.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

PHY 131
College Physics II

Prerequisite: PHY 130

An introduction to electricity and magnetism, wave motion, optics and basic modern physics for pre-professional, arts and sciences and four-year technology majors. This course is to be taken with PHY 130 to form a complete sequence.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

PHY 140
University Physics I

IAI P2 900L

Prerequisite: MAT 241

This is a study of Newtonian Mechanics. The course is for physics majors and minors, engineering students and the mathematically oriented student. This is the first of a three-course sequence.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

PHY 141
University Physics II

IAI PHY 912

Prerequisite: PHY 140 with grade of "C" or higher and MAT 242

This course is a study of heat, electricity, and magnetism for students in physics, engineering, chemistry and mathematics.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

PHY 142
University Physics III

IAI PHY 914

Prerequisite: PHY 141 with grade of "C" or higher

Corequisite: MAT 243

This course is a study of wave motion, sound, light and modern physics for students in physics, engineering, chemistry and mathematics.

Course Level Fee 3 (4 credits, 3 Lecture, 3 Lab/Lab-Discussion)

PHY 239
Mechanics I

IAI EGR 942

Prerequisite: PHY 140 with grade of "C" or higher and MAT 242

This course is a study of the mechanics of static, rigid bodies for engineering students.

(3 credits, 3 Lecture)

PHY 240
Mechanics II
IAI EGR 943
Prerequisite: PHY 239 with grade of "C" or higher
Corequisite: MAT 243 and MAT 245
This course is a study of the motion of rigid bodies and systems of particles for engineering students.
(3 credits, 3 Lecture)

PHY 245
Solid Mechanics
Prerequisite: PHY 239 with grade of "C" or higher
Corequisite: MAT 243
This course is the study of the relationship between the external loadings on a deformable object and the resulting deformations and internal stresses and strains.
(3 credits, 3 Lecture)

PLASTICS MANUFACTURING (PLM---)

PLM 040
Introduction to Plastics
This course introduces plastics materials development and use in everyday life. Focus is upon on the history, development, science, technology and manufacture of modern plastics. Environmental considerations involving plastics use is considered.
(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

PLM 041
Injection Molding
The focus of the course is on polymer material selection for hands-on application and use of primary and secondary injection molding processing equipment and associated auxiliary equipment.
(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

PLM 042
Extrusion Forming
The focus of the course is on hands-on application and use of extrusion forming processing equipment, including single screw, twin screw, co-extrusion and compounding equipment, associated secondary and auxiliary equipment use and polymeric material selection for extrusion.
(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

PLM 050
Blow Thermo Rotational Forming
The focus of the course is hands-on thermoforming, blow molding and blown film and as well as rotational molding processing and polymeric material selection for these plastics processing equipment and techniques.
(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

PLM 076
Plastics Manufacturing
This course develops an understanding of plastics manufacturing operations considerations. Overview of plastics manufacturing facilities, operations, process flow, organization, safety, quality assurance and business economics is provided.
(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

POLITICAL SCIENCE (POS---)

POS 160
American National Government
IAI S5 900
The fundamental principles of the American Government are summarized. Such topics as federalism, civil liberties, citizenship, parties and elections, the Presidency, Congress, Judiciary and national policies and politics are discussed within the framework of the American Constitutional system.
(3 credits, 3 Lecture)

POS 160
American National Government
IAI S5 900
The fundamental principles of the American Government are summarized. Such topics as federalism, civil liberties, citizenship, parties and elections, the Presidency, Congress, Judiciary and national policies and politics are discussed within the framework of the American Constitutional system.
(3 credits, 3 Lecture)

POS 162
State & Local Government
IAI S5 902
Focuses on legal authority, structure, leadership and functions of state, county, city, township and special district governments. The Illinois State Constitution is analyzed.
(3 credits, 3 Lecture)

POS 264
Intro/Interntnl Rel
IAI S5 904
An examination of the nation-state system and the sources of conflict in the international community. Comparative political economic systems are studied, as well as the rise of multi-national corporation and international organizations.
(3 credits, 3 Lecture)

POWERED INDUSTRIAL TRUCK (PIT---)

PIT 040
Powered Industrial Truck Basic
This course provides training in the safe performance of powered industrial trucks with/without specialized attachments. Participants will gain the required skills to be a safe and effective operator, conducting themselves within all OSHA regulations.
Course Level Fee 4 (0.5 credits, 0 Lecture, 0.5 Lab/Lab-Discussion)

PRODUCTION LINE WORKER (PLW---)

PLW 050
AB SLC500/Micro PLC
SLC-Micrologix PLC is a course for industrial maintenance technicians should cover hardware identification, RSLogix 500 software operation, ladder logic fundamentals and practical application through programming and troubleshooting.
(2 credits, 1.5 Lecture, 1 Lab/Lab-Discussion)

PLW 070
Control-Compact Logix PLC
Allen-Bradley Control and CompactLogix PLC maintenance course would cover fundamental PLC concepts, hardware and software navigation, ladder logic programming and troubleshooting.
(2 credits, 1.5 Lecture, 1 Lab/Lab-Discussion)

PRACTICAL NURSING (PNC---)

PNC 049
Found of Nursing
Prerequisite: Admission to Practical Nursing Program
An introduction to human anatomy and physiology beginning at the molecular level. Nutrition essentials are covered. These topics are related to nursing and disease prevention, promotion, maintenance and restoration.
Course Level Fee 3 (6 credits, 6 Lecture)

PNC 050
Practical Nursing I
Prerequisite: Admission to the Practical Nursing Program.
Corequisite: Must be concurrently enrolled with PNC 050C and pass both courses in the same semester.
Introduces the Practical Nurse's role as care provider and member of the interdisciplinary healthcare team. Includes concepts to provide a foundation for developing the knowledge, skills and attitudes of the Practical Nurse.
Course Level Fee 3 (8 credits, 7 Lecture, 2 Lab/Lab-Discussion)

PNC 050C
Practical Nursing I Clinical
Prerequisite: Admission to the Practical Nursing Program.
Corequisite: Must be concurrently enrolled with PNC 050 and pass both courses in the same semester.
This clinical course introduces the Practical Nurse's role as care provider and member of the interdisciplinary healthcare team. Includes concepts to provide a foundation for developing the knowledge, skills and attitudes of the Practical Nurse.
Course Level Fee 3 (2 credits, 6 Clinical Hours)

PNC 052
Practical Nursing II
Prerequisite: PNC 049 or equivalent, PNC 050, PNC 050C
Corequisite: Must be concurrently enrolled with PNC 052C and pass both courses in the same semester.
Further develops the Practical Nurse's role and the development of the knowledge, skills and attitudes needed to promote, maintain and restore heath for diverse populations. Clinical assignments expose students to a variety of settings and progress from simple to complex.
Course Level Fee 3 (12 credits, 11 Lecture, 2 Lab/Lab-Discussion)

PNC 052C
Practical Nursing 2 Clinical

Prerequisite: PNC 049 or equivalent, PNC 050, PNC 050C

Corequisite: Must be concurrently enrolled with PNC 052 and pass both courses in the same semester.

This clinical course further develops the Practical Nurse's role and the development of the knowledge, skills and attitudes needed to promote, maintain and restore health for diverse populations. Clinical assignments expose students to a variety of settings and progress from simple to complex.

Course Level Fee 3 (3 credits, 9 Clinical Hours)

PNC 053
Basic Pharmacology I

Prerequisite: PNC 049 or equivalent, PNC 050

Corequisite: PNC 052 and PNC 052C

The Nursing Process and the role of medication therapy in the prevention of disease, promotion of health and treatment of disease provides the framework in this study of pharmacology and the administration of medication for the practical nurse.

Course Level Fee 3 (2 credits, 2 Lecture)

PNC 054
Practical Nursing III

Prerequisite: PNC 049 or equivalent, PNC 050, PNC 050C, PNC 052, PNC 052C, PNC 053

Corequisite: Must be concurrently enrolled with PNC 054C and pass both courses in the same semester.

Continuation of PNC 052 to further develop the Practical Nurse's role and development of knowledge, skills and attitudes needed to provide health promotion, maintenance and restoration for diverse populations. Clinical assignments progress. Includes leadership and preparation for entering the workforce.

Course Level Fee 3 (5 credits, 5 Lecture)

PNC 054C
Practical Nursing 3 Clinical

Prerequisite: PNC 049 or equivalent, PNC 050, PNC 052, PNC 053, PNC 050C, PNC 052C

Corequisite: Must be concurrently enrolled with PNC 054 and pass both courses in the same semester.

This clinical course is a continuation of PNC 052 to develop further the Practical Nurse's role and knowledge, skills and attitudes needed to provide health promotion, maintenance and restoration for diverse populations. Clinical assignments progress. Includes leadership and preparation for entering the workforce.

Course Level Fee 3 (2 credits, 6 Clinical Hours)

PNC 055
Basic Pharmacology II

Prerequisite: PNC 049 or equivalent, PNC 050, PNC 052, PNC 053, PNC 050C, PNC 052C

Corequisite: PNC 054 and PNC 054C

Continuation of PNC 053. The nursing process and the role of medication therapy in the prevention of disease, promotion of health and treatment of disease provides the framework in this study of pharmacology and the administration of medication.

(1 credit, 1 Lecture)

PRINT TECHNOLOGY (PMT---)

PMT 050
Print Technology I

This course provides a basic overview of the printing industry and the printing process from small job shops to large employer.

(3 credits, 3 Lecture)

PMT 052
Print Technology II

Prerequisite: PMT 050

Using Print Technology I as a basis for information this course outlines the overview of the industry but with emphasis on the various print processes.

(3 credits, 3 Lecture)

PROGRAMMABLE LOGIC CONTROLLERS (PLC---)

PLC 040
Fundamentals of Instrumentation

Fundamentals of instrumentation: basic types of sensors, actuators and controls used in instrumentation are studied.

(3 credits, 3 Lecture)

PLC 051
Variable Frequency Drive Sys.

Students will gain skills in Variable Speed Drive operation, parameter editing, error handling, multi-speed programming, acceleration/deceleration control as well a basic VFD wiring and safety.

(1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

PLC 060*
PLC II-Allen Bradley SLC5/0x

Prerequisite: PLC 050

This course covers advanced topics of the Allen Bradley SLC 50/x series PLCs operation and programming using Rslogix500 software and Allen Bradley SLC-5/0x PLCs. Topics include Analog I/O (Scaling, Ramping, PID), advance Math, Data handling instruction, and program flow. (Repeatable 3 Times)

Course Level Fee 3 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

PROGRAMMABLE LOGIC CONTROLLERS CBE (PLCC---)

PLCC 051
Variable Frequency Drives

Students will gain skills in Variable Speed Drive operation, parameter editing, error handling, multi-speed programming, acceleration/deceleration control as well a basic VFD wiring and safety. (Meets SACA Automation Specialist I C-203 Variable Frequency Drive Systems 1 credential.)

Course Level Fee 3 (1 credit, 0.5 Lecture, 1 Lab/Lab-Discussion)

PLCC 056
PLC Systems I

Prerequisite: EET 072 or instructor consent

This course covers basic PLC operation and programming, using Rslogix software and Allen Bradley PLCs. Topics include basic ladder design, Input-Output, timers, counters, batch processes, shift registers, word compare and math. (Meets SACA Automation Specialist I C-207 and C-208 credentials.)

Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PLCC 057
PLC Systems II

Prerequisite: EET 086, PLCC 056 or previous PLC experience.

This course covers advanced topics of PLC operation and programming, using Rslogix software and Allen Bradley PLCs. Topics include project creation analog I/O, math and data handling instruction, program flow and communication protocols. (Meets SACA Automation Specialist I C-207, C-208 and II C-309 credentials.)

Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PLCC 075
HMI – Human Machine Interface

Prerequisite: EET 086, PLCC 056 or previous PLC experience.

This course covers basic HMI operation and programming. Topics include designing HMI windows, interfacing to the PLC, basic animating, using and creating logic scripts, setting alarms, charting, trending and security.

Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PSYCHOLOGY (PSY---)

PSY 271
Introduction to Psychology
IAI S6 900

Focuses on psychology as a science, presenting concepts, research methods and research in a variety of subfields, including neuroscience, sensation and perception, consciousness, learning and memory, cognition, motivation and emotion, development, personality, disorders and therapy and social psychology.

(3 credits, 3 Lecture)

PSY 272
Intimate & Family Relationships

Examines how intimate relationships are formed maintained and how they sometimes fail. Theory, research methods and research on attraction, parenthood, multigenerational families, communication, interdependency, love, sexuality, conflict, power and violence. Explores the changing views of sexuality, families and marriage.

(3 credits, 3 Lecture)

PSY 273
Abnormal Psychology
IAI PSY 905

Prerequisite: PSY 271

Takes an integrative approach to psychopathology. Areas of study include research methods; clinical assessment and

diagnosis; descriptions, causes and treatments of the major psychological disorders; and legal and ethical issues in abnormal psychology.

(3 credits, 3 Lecture)

PSY 274
Child Development
IAI S6 903

Study of theories and research methods used to study development from conception to adolescence. Topics include physical, sensory, perceptual, cognitive, language, emotional, social and gender development as well as family, peer and institutional influences on development.

(3 credits, 3 Lecture)

PSY 275
The Psychology of Maturity and Old Age
IAI S6 905

Prerequisite: PSY 271

Study of theories, research methods and findings in the physical, cognitive and social-emotional development of individuals past middle age.

(3 credits, 3 Lecture)

PSY 277
Social Psychology
IAI PSY908 & S8900

Study of social behavior, including research methods, attitude formation and changes, social cognition, interpersonal relations, group processes and social influences.

(3 credits, 3 Lecture)

PSY 279
Human Development – Life Span
IAI S6 902

A study of the theories, research methods and findings in physical, cognitive and social-emotional development from conception through death.

(3 credits, 3 Lecture)

READING (RDG---)

RDG 013
Preparation for ACT/SAT

Designed to prepare students taking the ACT/SAT exams. Emphasis is placed on performance skills in word usage, math, reading in the content areas and natural science. This course does not apply toward an Associate Degree.

(1 credit, 1 Lecture)

RDG 039*
College Reading & Study Skills

Prerequisite: Placement determined by Assessment

This course is designed to improve students' college-level reading and study skills. It emphasizes the critical reading, comprehension and vocabulary skills needed for reading in college and in a career. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 3 Lecture)

SHORT TERM STUDY ABROAD (STA---)

STA 200*
Short Term Study Abroad

This course serves as an introduction to short-term study abroad opportunities. It will focus on the various challenges of traveling and learning in another country, cultural awareness, cross-cultural sensitivity, intercultural communication and adaptability to a new culture. (Repeatable 3 Times)

(Variable Credit 0.5/4 credits, 4 Lecture, 6 Lab/Lab-Discussion)

SOCIAL SCIENCE (SOS---)

SOS 050
Human Relations

Provides an understanding of the human mechanism when associated with interpersonal relationships on the job. Emphasis is placed on vocational problems connected with motivation, communication, perception and how to work with others.

(2 credits, 2 Lecture)

SOS 052
Workplace Communication/Safety

Provides an understanding of the human mechanism when associated with interpersonal relationship on the job. Emphasis placed on vocational motivation, communication and perception, along with Red Cross CPR/AED/First Aid training to enhance safety and response skills in a workplace emergency.

Course Level Fee 3 (3 credits, 3 Lecture)

SOS 099
American Culture

This course will provide a survey of the major intellectual, literary and cultural developments in the United States from the colonial period to the present. The course mainstreams the contributions of America's diverse cultural constituency.

(3 credits, 3 Lecture)

SOS 100
Maps and Spatial Analysis
IAI S4 905

Course goals are threefold: to help you think spatially, analytically and critically; to help you become a better problem solver using maps; and to teach you to use maps and spatial analysis to understand geographic problems.

(3 credits, 3 Lecture)

SOS 235
Death and Dying

This course focuses on the psychological and sociological effects of dying and death in our modern American culture. Major areas studied are psychological changes a dying person experiences, survivors and grief death and the child the funeral demography of death and contemporary issues.

(3 credits, 3 Lecture)

SOS 283
Introduction to Research Methods

Prerequisite: Placement by assessment or ENG 120 with a minimum grade of "C"

Examination of social science research methods from theoretical, applied and ethical points of view. Acquaints students with qualitative and quantitative techniques and procedures used to measure human behavior, gather and analyze data and evaluate and report on findings.

Course Level Fee 2 (3 credits, 3 Lecture)

SOCIOLOGY (SOC---)

SOC 280
Introduction to Sociology
IAI S7 900

Study of human interaction focusing on social influences shaping personality, structure and dynamics of human society. Topics include sociological perspective, culture, society and social interaction; social change in global perspective; socialization; families; social class; social stratification; race and ethnicity; and deviance.

(3 credits, 3 Lecture)

SOC 282
Social Problems
IAI S7 901

An issue-oriented course. Among the issues covered are how sociologists view social problems, the changing family, poverty, race and ethnic relations, aging, crime and criminal justice, human sexual behavior, problems of physical and mental illness, urban problems and other areas based upon student interests.

(3 credits, 3 Lecture)

SOC 284
Sociology/Deviant Behavior

Nature and dynamics of deviant behavior. The course includes theories of deviance, social control and forms of deviant behavior. Forms may include drug use, sexual behavior (prostitution and pornography), personal violence, crime and delinquency and mental disorders.

(3 credits, 3 Lecture)

SOC 286
Racial and Ethnic Groups
IAI S7 903D

An examination of American racial and ethnic diversity with an attempt to understand racial and ethnic relations. The examination is made emphasizing the sociological perspective while including material from the other social sciences.

(3 credits, 3 Lecture)

SOC 288
Sociology of Sexuality & Gender
IAI S7 904D

This course examines sociological concepts, theories and research related to gendered issues. It explores development of gender cross-culturally and consequences of dividing society along gendered lines. Topics: gender socialization, culture of gender and differences in gendered experiences in major institutions.

(3 credits, 3 Lecture)

SOC 290
Sociology of Family
IAI S7 902
This course examines the major sociological concepts, theories and research related to marriage, family and the increasing diversity of family types. Special emphasis will be on theorizing family, gender, parenting, balance work and family and social problems interrelated to family life.
(3 credits, 3 Lecture)

STRATEGIES FOR SUCCESS (SFS---)

SFS 101
Strategies for Success
Designed to improve student performance in college and beyond. Topics include: introduction to college resources; identification of college and career goals; implementation of study and test-taking strategies; and development of life management skills, including time and stress management.
(2 credits, 2 Lecture)

SFS 103
Life Strategies
Designed to assist students in improving critical thinking skills to enhance life successes. An emphasis will be placed on career and transfer advancement. Learning focused on designing effective goals and creating a successful life plan.
(2 credits, 2 Lecture)

SFS 150
Money Management Strategies
Students will explore basic economic principles, financial literacy and personal money management. Topics include budgets, financial institutions, interest, saving, credit and creditors' marketing tactics, managing debt, identity theft, insurance, investing, taxes, estate planning and retirement.
(3 credits, 3 Lecture)

SURGICAL TECHNOLOGY (SRT---)

SRT 040
Prof. Practice-Surgical Tech
Prerequisite: Acceptance into the surgical technology program.
This course introduces the student to the role of the surgical technologist as an integral healthcare professional in the delivery of perioperative patient care and surgical services.
Course Level Fee 1 (3 credits, 3 Lecture)

SRT 041
Anesthesia & Pharm Surg Tech
Corequisite: SRT 040
This course assesses the action, uses, and modes of administration of medication and anesthetic agents commonly used in the surgical setting, emphasizing safe handling practices in the surgical setting. Students will understand the role of the surgical technologist during administration of anesthesia.
Course Level Fee 1 (3 credits, 3 Lecture)

SRT 042
Surg Tech Skills
Prerequisite: SRT 040
Corequisite: SRT 042L
This course is designed to provide the knowledge and hands-on skills involved in providing basic pre-operative care to the surgical patient. The student is introduced to aseptic technique and duties of the surgical technologist during a surgical procedure.
(2 credits, 2 Lecture)

SRT 042L
Surg Tech Skills Lab
Prerequisite: SRT 040
Corequisite: SRT 042
This course is designed to provide the knowledge and hands-on skills involved in providing basic pre-operative care to the surgical patient. The student is introduced to aseptic technique and duties of the surgical technologist during a surgical procedure.
(4 credits, 8 Lab/Lab-Discussion)

SRT 043
Surg Tech Practicum I
Prerequisite: SRT 042
This course is an orientation to the clinical facility, with a strong emphasis placed on the surgical services department. Students will be assigned supervised hands-on and observational experiences in the clinical area, rotating throughout various departments within the clinical area.
Course Level Fee 3 (2 credits, 2 Work Based Learning)

SRT 044
Surgical Procedures I
Prerequisite: SRT 042
This course builds on knowledge in surgical anatomy, pathophysiology and disease processes and provides the student with theory and hands-on applications involved in surgical specialties of diagnostic, general, obstetrics and gynecology, genitourinary, ophthalmic, otorhinolaryngology and oral/maxillofacial surgical procedures.
Course Level Fee 1 (4 credits, 4 Lecture)

SRT 045
Surgical Procedures II
Prerequisite: SRT 044
This course builds on knowledge in surgical anatomy, pathophysiology and disease processes and provides the student with an understanding of the theory and hands-on applications involved in surgical specialties of plastic and reconstructive, orthopedic, cardiothoracic, peripheral vascular and neurosurgery.
Course Level Fee 1 (4 credits, 4 Lecture)

SRT 046
Surg Tech Practicum II
Prerequisite: SRT 043
This course utilizes skills and knowledge learned during the program for supervised hands-on and observational experiences in the clinical area. Upon course completion, students will meet or exceed the case requirements stated in the Association of Surgical Technologists Core Curriculum.
Course Level Fee 3 (6 credits, 6 Work Based Learning)

SRT 047
Surg Tech Practicum III
Prerequisite: SRT 044 and SRT 046
This course utilizes skills and knowledge learned during the program for supervised hands-on and observational experiences in the clinical area. Upon course completion, students will meet or exceed the case requirements stated in the Association of Surgical Technologists Core Curriculum.
Course Level Fee 3 (6 credits, 6 Work Based Learning)

SRT 048
Surgical Technology Capstone
Prerequisite: SRT 044 and SRT 046
This course focuses on job readiness for the surgical technologist with an emphasis on resume writing, interview skills, networking and professionalism.
Course Level Fee 1 (3 credits, 3 Lecture)

SRT 050
Surg Technology Exam Review
Prerequisite: SRT 044 and SRT 046
This course is designed to elaborate upon surgical technology principles and concepts, with emphasis on preparation for the national certification examination. The student will be prepared for the national credentialing exam with test-taking strategies and an in-depth review.
Course Level Fee 1 (3 credits, 3 Lecture)

TECHNOLOGY (TEC---)

TEC 039*
Technology Seminar
Fundamentals, principles, and practices of Industrial technology. Covers basic through advanced procedures associated with current technology. Advanced work is adjusted to special interest groups. (Repeatable 3 Times)
(Variable Credit 0.5/3 credits, 3 Lecture)

TEC 040
Print Reading for Industry
Print Reading for Industry is a training course designed to assist the beginning to intermediate students, as well as workers in the industry, to understand the fundamentals, principles and practices involved in producing and reading industrial blueprints.
(2 credits, 2 Lecture)

TEC 043
Industrial Safety
Designed to give the student basic information and procedures concerning industrial safety awareness and accident prevention.
Course Level Fee 3 (1 credit, 1 Lecture)

TEC 045
Introduction to Drafting
Presents basic drafting skills and concepts preparatory to advanced drafting and computer-aided drafting courses. Portable drafting instruments will be required.
Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

TEC 046
Manufacturing Skills I

Develops a basic understanding of units of measurement and measurement techniques used in the manufacturing industry. Fundamentals of creating technical drawings and various manufacturing skills. Research in careers, history and current events in the manufacturing industry.

Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

TEC 047
Manufacturing Skills II

Prerequisite: TEC 046

Continuation of TEC 046. Students continue study of hydraulics, pneumatics, electrical systems, mechanical drive systems, automated material handling (robotics), quality control systems, machining and computer aided drafting.

Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

TEC 048
Applied Shop Computations

Focuses on basic arithmetic and calculations necessary for solving shop-oriented problems involving ratio, proportion, percent, units conversion and algebra.

(3 credits, 3 Lecture)

TEC 049
Manufacturing Skills III

Prerequisite: TEC 047

This class is a continuation of TEC 047. Heaviest concentration is on electrical theory, motors and controls. Additional time will be spent on quality assurance, fluid power, and mechanical drive systems.

Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

TEC 051
Manufacturing Skills IV

Prerequisite: TEC 049

This class is a continuation of TEC 049. Heaviest concentration is on programmable logic controllers. Additional time will be spent on fluid power, mechanical drive systems and electrical motor controls.

Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

TEC 054
Technical Math III

Prerequisite: TEC 052

Offers the student a more in-depth study of trigonometry plus logarithms, complex numbers and functional variation.

(2 credits, 2 Lecture)

TEC 055*
Special Topics in Technology

Fundamentals, principles and practices of industrial technology. Covers basic through advanced procedures associated with current technology. Advanced work is adjusted to special interest groups. (Repeatable 3 Times)

(Variable Credit 0.5/5 credits, 5 Lecture)

TEC 056
Technical Math IV

Prerequisite: TEC 054

Familiarizes the student with the basic concepts of analytical geometry and statistics.

(2 credits, 2 Lecture)

TEC 057*
Introduction to Renewable Energy

This course provides students with an introduction to forms of renewable energy as well as how it is produced and utilized. Topics include photovoltaic, solar and wind energy production. (Repeatable 3 Times)

(3 credits, 3 Lecture)

TEC 058*
Alternative Energy

This course provides students with an introduction to forms of alternative energy. Topics include hydrogen, fuel cells, electric powered vehicles, and other emerging green technologies. (Repeatable 3 Times)

(3 credits, 3 Lecture)

TEC 060
Analytical Mechanic

Prerequisite: TEC 052

Enables the student to analyze forces acting on structural elements and rigid bodies. The concepts of stress and strain in structural materials are introduced.

Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

TEC 063
Electric Power Distribution

Prerequisite: EET 050 and TEC 054

Fundamentals of the electric power distribution and transmission system, infrastructure components, power flows and system reliability.

(3 credits, 3 Lecture)

TEC 064*
Bioenergy

Fundamentals of energy use and production from biogas, biofuels and biomass, including production methods and domestic and industrial uses. (Repeatable 3 Times)

(3 credits, 3 Lecture)

TEC 066*
Resource Sustainability

This course will examine sustainable energy generation and use, housing sustainability, water use, recycling, resource reduction and cultural issues relating to lifestyles of health and sustainability. (Repeatable 3 Times)

(3 credits, 3 Lecture)

TEC 070
Properties of Metal

Familiarize the student with the need for heat treatment of metals, the processes and techniques used and the resulting effects. Also includes a study of the machinability of metals and the contributing physical and metallurgical factors.

(2.5 credits, 2.5 Lecture)

TEC 076
Inspection and Quality Control

Prerequisite: TEC 040 or consent of instructor

The study of inspection processes and quality control system in manufacturing. Topics include: measurement, gauging, geometric tolerancing, documentation, specifications and statistical quality control.

(3 credits, 3 Lecture)

TEC 077
Unmanned Aircraft Systems I

This course covers components and guidelines for flying Unmanned Aircraft Systems (UAS). An evaluation of uses of this tool in agriculture, construction and land surveying are discussed. Licensing and proper protocols of the aircraft are explained.

Course Level Fee 2 (2 credits, 1.5 Lecture, 1 Lab/Lab Discussion)

TEC 080
Strength/Materials

Prerequisite: TEC 060

Develops the student's ability to analyze structural elements subjected to various types of loading. Various means of joining structural elements are also covered.

(4 credits, 4 Lecture)

TEC 090
Education to Careers

This course provides students with orientation for transitioning from education to careers including interview techniques, resume writing, job search strategies, personal growth and finance.

(3 credits, 3 Lecture)

TEC 103
Engineering Graphics

IAI EGR 941

This course provides an introduction to engineering design and graphics, including design problems, sketching, dimensioning, tolerancing, multi-view orthographic representations, auxiliary views, section views and working drawings. Drafting equipment and workbook are required. CAD software is used in this course.

Course Level Fee 1 (3 credits, 1 Lecture, 5 Lab/Lab-Discussion)

TECHNOLOGY CBE (TECC---)

TECC 040
Print Reading for Industry

Print Reading for Industry is a training course designed to assist the beginning to intermediate students, as well as workers in the industry, to understand the fundamentals, principles and practices involved in producing and reading industrial blueprints.

(2 credits, 2 Lecture)

TECC 043
Industrial Safety

Designed to give the student basic information and procedures concerning industrial safety awareness and accident prevention.

Course Level Fee 3 (1 credit, 1 Lecture)

TECC 070
Properties of Metals
Familiarize the student with the need for heat treatment of metals, the processes and techniques used and the resulting effects. Also includes a study of the machinability of metals and the contributing physical and metallurgical factors.

(2.5 credits, 2.5 Lecture)

TELECOMMUNICATIONS (TEL---)

TEL 051
Networking Basics
Corequisite: EET 060 or consent of instructor

Provides the student with a basic understanding of networking, OSI model, industry standards and IP addressing. Emphasis placed on hands on learning.

Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

TEL 053
Switching and Routing
Prerequisite: TEL 052

Provides the student with an understanding of LAN switching and advanced router configurations. Emphasis placed on hands on learning.

(3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

TUTORING AND TESTING CENTER (TUT---)

TUT 010*
Math Pathway
Enables students to discuss personal math anxieties, discover common myths about math and learn techniques for overcoming math-related anxieties. Designed to meet the student's individual skill development needs. (Repeatable 3 Times)

(2 credits, 2 Lecture)

TUT 013*
Basic Memory Dynamics
To introduce basic memory systems and their applications for use in improving academic skills. (Repeatable 3 Times)

(0.5 credits, 0.5 Lecture)

TUT 023*
Test Taking Strategies
Designed to improve test-taking. Emphasis is placed on applying these skills to the specific testing needs of the student. (Repeatable 3 Times)

(1 credit, 1 Lecture)

TUT 026*
Relieving Computer Anxiety
Designed to assist the individual who suffers from a fear of computer technology to overcome that fear in a non-threatening, individualized setting. This will be accomplished through individual/small-group instruction and appropriate practice programs and game play. (Repeatable 3 Times)

(0.5 credits, 0.5 Lecture)

WELDING (WLD---)

WLD 040
Welding Fundamentals
Course will cover basic welding processes, including: oxy-acetylene welding, arc welding, cutting and brazing. (AWS SENSE I Modules 1-5 and 7)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 041
Metal Cutting and Fabrication
This course is designed to provide an understanding of metal cutting and fabricating processes and weld joint design. (AWS SENSE Modules 2 and 8)

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

WLD 051
Shielded Metal Arc Welding I
Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course provides an introduction to shielded metal arc welding. Students learn to set up equipment, identify electrodes and strike and run beads in the flat position. (AWS SENSE I Modules 2, 3 and 4)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 052
Shielded Metal Arc Welding II
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 051 or WLDC 051

In this course, students learn to perform single and multiple pass welds with shielded metal arc welding equipment in all positions. (AWS SENSE I Modules 2-4 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 053
Shielded Metal Arc Welding III
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 052 or WLDC 052

In this course, students are required to weld in all positions using shielded metal arc welding equipment in all positions. These welds must pass a guided bend test. (AWS SENSE I Modules 2-4 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 061
Gas Metal Arc Welding I
Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course introduces gas metal arc welding procedures and equipment. Students learn to perform single and multiple pass welds in the flat position with gas metal arc welding equipment. (AWS SENSE I Modules 2, 3 and 5)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 062
Gas Metal Arc Welding II
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 061 or WLDC 061

This course teaches students to perform gas metal arc welds in the horizontal, vertical and overhead positions using single and multiple pass welds. (AWS SENSE I Modules 2, 3, 5, 6 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 063
Gas Metal Arc Welding III
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 062 or WLDC 062

Students in this course must prepare gas metal arc and flux core welds that pass guided bend tests. (AWS SENSE I Modules 2, 3, 5, 6 and 9)

Course Level Fee 4 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WLD 070
Gas Tungsten Arc Welding
Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course introduces students to the gas tungsten arc welding equipment and procedures. Welds are prepared in flat, horizontal and vertical positions on both ferrous and non-ferrous metals. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 071
GTAW/Aluminum
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 070 or WLDC 070

This course introduces students to the gas tungsten arc welding process of aluminum. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

WLD 072
GTAW/Stainless Steel
Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 071 or WLDC 071

This course introduces students to the gas tungsten arc welding equipment and procedures that are required for welding stainless steel. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

WLD 080
Pipe Welding
Prerequisite: WLD 053 or WLDC 053 and WLD 070 or WLDC 070

This is a basic course in pipe welding. Topics include fabrication of industrial piping systems and welding techniques/applications.

Course Level Fee 4 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

WLD 082
Advanced Welding Projects Lab

Prerequisite: WLD 053 or WLDC 053, WLD 063 or WLDC 063, WLD 070 or WLDC 070, WLD 071 or WLDC 071 and WLD 072 or WLDC 072

This course is designed to promote on-the-job training skills in the welding program by applying skills and knowledge gained from classes the student has already completed. It helps individuals gain confidence and build skills needed to pass pre-employment welding test. (AWS SENSE I Modules 1, 2, 3 and 9)

Course Level Fee 4 (4 credits, 8 Lab/ Lab-Discussion)

WLD 084
Welding SOE

Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

Welding supervised occupational experience in a welding shop or work-related manufacturing company position.

Course Level Fee 4 (4 credits, 20 Lab/ Lab-Discussion)

WIND TECHNOLOGY (WND---)

WND 040*
Introduction to Wind Technology

This course provides students with an understanding of basic wind technology concepts. Topics include turbine parts and operation, anemometry data collection and analysis, and evaluation of basic turbine technology. (Repeatable 3 Times)

(3 credits, 3 Lecture)

WND 041*
Wind Technology Maintenance I

Prerequisite: WND 040, MET 040, MET 042, TEC 048 or WND 040, EET 040, EET 050, TEC 050 and TEC 052

This course introduces students to wind turbine maintenance. Lectures focus on gearbox and electrical system maintenance while the labs focus on tools, climbing and safety. (Repeatable 3 Times)

Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

WELDING CBE (WLDC---)

WLD 040
Welding Fundamentals

Course will cover basic welding processes, including: oxy-acetylene welding, arc welding, cutting and brazing. (AWS SENSE I Modules 1-5 and 7)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 041
Metal Cutting and Fabrication

This course is designed to provide an understanding of metal cutting and fabricating processes and weld joint design. (AWS SENSE I Modules 2 and 8)

Course Level Fee 4 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

WLD 051
Shielded Metal Arc Welding I

Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course provides an introduction to shielded metal arc welding. Students learn to set up equipment, identify electrodes and strike and run beads in the flat position. (AWS SENSE I Modules 2, 3 and 4)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 052
Shielded Metal Arc Welding II

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 051 or WLDC 051

In this course, students learn to perform single and multiple pass welds with shielded metal arc welding equipment in all positions. (AWS SENSE I Modules 2-4 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 053
Shielded Metal Arc Welding III

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 052 or WLDC 052

In this course, students are required to weld in all positions using shielded metal arc welding equipment in all positions. These welds must pass a guided bend test. (AWS SENSE I Modules 2-4 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 061
Gas Metal Arc Welding I

Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course introduces gas metal arc welding procedures and equipment. Students learn to perform single and multiple pass welds in the flat position with gas metal arc welding equipment. (AWS SENSE I Modules 2, 3 and 5)

Course Level Fee 4 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WLD 062
Gas Metal Arc Welding II

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 061 or WLDC 061

This course teaches students to perform gas metal arc welds in the horizontal, vertical and overhead positions using single and multiple pass welds. (AWS SENSE I Modules 2, 3, 5, 6 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 063
Gas Metal Arc Welding III

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 062 or WLDC 062

Students in this course must prepare gas metal arc and flux core welds that pass guided bend tests. (AWS SENSE I Modules 2, 3, 5, 6 and 9)

Course Level Fee 4 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WLD 070
Gas Tungsten Arc Welding

Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

This course introduces students to the gas tungsten arc welding equipment and procedures. Welds are prepared in flat, horizontal and vertical positions on both ferrous and non-ferrous metals. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (2.5 credits, 0.5 Lecture, 4 Lab/Lab-Discussion)

WLD 071
GTAW/Aluminum

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 070 or WLDC 070

This course introduces students to the gas tungsten arc welding process of aluminum. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

WLD 072
GTAW/Stainless Steel

Prerequisite: WLD 040 or WLDC 040, WLD 041 or WLDC 041 and WLD 071 or WLDC 071

This course introduces students to the gas tungsten arc welding equipment and procedures that are required for welding stainless steel. (AWS SENSE I Modules 2, 3, 7 and 9)

Course Level Fee 4 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

WLD 080
Pipe Welding

Prerequisite: WLD 053 or WLDC 053 and WLD 070 or WLDC 070

This is a basic course in pipe welding. Topics include fabrication of industrial piping systems and welding techniques/applications.

Course Level Fee 4 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

WLD 082
Advanced Welding Projects Lab

Prerequisite: WLD 053 or WLDC 053, WLD 063 or WLDC 063, WLD 070 or WLDC 070, WLD 071 or WLDC 071 and WLD 072 or WLDC 072

This course is designed to promote on-the-job training skills in the welding program by applying skills and knowledge gained from classes the student has already completed. It helps individuals gain confidence and build skills needed to pass pre-employment welding test. (AWS SENSE I Modules 1, 2, 3 and 9)

Course Level Fee 4 (4 credits, 8 Lab/ Lab-Discussion)

WLD 084
Welding SOE

Prerequisite: WLD 040 or WLDC 040 and WLD 041 or WLDC 041

Welding supervised occupational experience in a welding shop or work-related manufacturing company position.

Course Level Fee 4 (4 credits, 20 Lab/ Lab-Discussion)

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Executive Management Course for Law Enforcement – Northwest U
FBI National Academy, Quantico, VA

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M.S., Michigan State University
Ph.D., Michigan State University

Lisa Cole
Director of Data Analytics
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M.S., University of Illinois

Christina Donsbach
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M.B.A., Southern Illinois University – Edwardsville

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M.A., Western Illinois University

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M.A., Eastern Illinois University

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A.A.S., Lincoln Trail College

Scott Rawlings
Assistant Director of Physical Plant Operations
A.A.S., Lake Land College

Madge Shoot
Comptroller
A.A.S., Lake Land College
B.S., Eastern Illinois University
M.B.A., Eastern Illinois University

David Stewart
Chief Information Officer
A.S., Richland Community College
B.S., Millikin University
M.B.A., Illinois State University
M.Div., Illinois Baptist College & Seminary

Dustha Wahls
Director of Human Resources
B.S., Eastern Illinois University
M.B.A., Eastern Illinois University

OFFICE OF WORKFORCE SOLUTIONS AND COMMUNITY EDUCATION

Christine Strohl
Dean for Workforce Solutions and Community Education
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B.S., Eastern Illinois University
M.P.A., University of Illinois – Springfield

Bonnie Moore
Director of the Center for Business and Industry
A.S., Lake Land College
B.A., Eastern Illinois University
M.B.A. - McKendree University

OFFICE OF STUDENT SERVICES

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Vice President for Student Services
B.S., Eastern Illinois University
M.S., Eastern Illinois University

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Director of Financial Aid and Veteran Services
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Bill Jackson
Director of Athletics
A.S., Sauk Valley CC
B.S., Eureka College
M.B.A., Aurora College

Jamie Corda Hadjaoui
Dean of Enrollment & Student Success
B.S., Eastern Illinois University
M.B.A., Eastern Illinois University

FACULTY

Daniel Allen
Physics Instructor
B.S., Valparaiso University
M.S., Brigham Young University

Dyke Barkley
Horticulture Instructor
A.A.S., Lake Land College
B.S., University of Illinois
M.A., Saint-Mary of the Woods College

Michael Beavers
Electronics Engineering Technology Instructor
Electronics Certificate, Lake Land College
A.S., Com. Col. Air Force
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Jenny Beliz
Developmental Reading and Writing Instructor
A.S., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Tara Blaser
Philosophy/English Instructor
B.S., State University of New York at Oneonta
M.A., Eastern Illinois University

Katelyn Bloemer
Nursing Instructor
A.S., Lake Land College
B.S., St. John's College of Nursing
M.S., Southern Illinois University – Edwardsville

Andrea Bright
Academic Counselor
A.A., Lake Land College
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Krista Burrell
Academic Counselor
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Dion Buzzard
Industrial Technology Instructor/ Program Coordinator
B.S., University of Illinois
M.S., Eastern Illinois University

Jessica Byers
Nursing Instructor
A.A.S., Lake Land College
B.S.N., Chamberlain University
M.S.N., Chamberlain University

Gregory Capitosti
Chemistry Instructor
B.S., University of Pittsburgh
Ph.D., University of Akron

David Chambers
Criminal Justice Instructor/Coordinator Criminal Justice Programs
B.A., Eastern Illinois University
M.S., Indiana State University

Michael Ben Cohan
Art Instructor
A.A., Lake Land College
B.A., Millikin University
M.A., Southern Illinois University – Carbondale

Andrew Cougill
Librarian
B.A., Eastern Illinois University
M.A., Eastern Illinois University
M.L.I.S., Indiana University

James Crowder
Welding Instructor
A.A.S., Kankakee Community College

Brent Curry
John Deere Technology Instructor
A.A.S., Lake Land College

Madison Dailey
Health and Physical Education Instructor
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Marc DalPonte
Biological Science Instructor
B.S., University of Illinois
M.S., University of Illinois

Kimberly Davis
Education Instructor
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Laurie Davis Rincker
Biological Science Instructor
B.S., Virginia Polytechnic Institute and State University
M.S., Michigan State University
Ph.D., Michigan State University

Angela Davison
Business Instructor
B.S., Eastern Illinois University
M.B.A., Eastern Illinois University

Suzett Doty
Biological Science Instructor
B.A., Southern Illinois University – Carbondale
M.S., Eastern Illinois University

Danielle Downs
Financial Aid & Veteran Services Advisor
A.A., Lake Land College
B.S., Eastern Illinois University

Lisa Earp
Business Instructor/Director of Court Reporting and Captioning/Program Coordinator Office Professionals
B.S., Eastern Illinois University
M.B.A., Eastern Illinois University

Joshua Fulk
Civil Engineering Technology Instructor/ Coordinator
A.A.S, Lake Land College

Andrew Gaines
Psychology Instructor
A.A., Lake Land College
B.A., University of Illinois
M.S., Eastern Illinois University

Tisha Goad
Nursing Instructor
B.S.N., Millikin University
M.S.N., Millikin University

Matthew Greider
History Instructor
A.A., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Mindi Haarman
Cosmetology Instructor
A.A., Lake Land College

Jamie Haarmann
Nursing Instructor
A.A., Lake Land College
B.S.N., Eastern Illinois University
M.S.N., McKendree University

Karla Hardiek
Nursing Instructor
B.S., Southern Illinois University – Edwardsville
M.S.N., McKendree University

Sarah Harley
Mathematics Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Scott Harley
John Deere Technology Instructor
A.A., Lake Land College

Elizabeth Hartrich
Dental Hygiene Instructor
A.A.S., Parkland College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Tarah Haskenherm
Nursing Instructor
B.S.N., Southern Illinois University – Edwardsville
M.S., McKendree University

Ellise Haskett
Counselor for Student Accommodations & Mental Health Initiatives
A.L.S., Lake Land College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Paul Hewitt
IT Instructor/Program Coordinator IT-Programs
A.A.S., Lake Land College
B.S., Purdue Global University

Sarah Hill
Director of Library Services
B.A., Eastern Illinois University
M.S., Eastern Illinois University
M.A., University of Missouri – Columbia

Kambri Hinds
Cosmetology Instructor
A.A., Lake Land College

Kurt Hoene
Building Construction Technology Instructor/Coordinator
B.S., Illinois State University

Joseph Hoenes
HVAC Instructor
A.L.S., Lake Land College

Shannon Hood
Nursing Instructor
A.A.S., Lake Land College
B.S., Southern Illinois University – Edwardsville
M.S., Southern Illinois University – Edwardsville

Lacy Huddleston
Dental Hygiene Instructor
A.L.S., Lake Land College
A.A.S., Lake Land College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Brenda Hunzinger
Biological Science Instructor
A.S., Lake Land College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Josey Hyatt
Academic Counselor
A.A.S., Olney Central College
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Charles Jarrell
Division Chair Social Science/ Education/Psychology Instructor
A.A.S., John A. Logan College
B.S., Eastern Illinois University
M.A., Morehead State University

David Johnson
Health & Physical Education Instructor/ Head Women's Basketball Coach
A.A.S., Danville Area Community College
B.S., Illinois State University
M.S., Eastern Illinois University

Bambi Jones
Mathematics Instructor
A.S., Lake Land College
B.A., University of Illinois at Springfield
M.A., Eastern Illinois University

Nichole Jones
Nursing Instructor
A.A.S., Lake Land College
B.S., Southern Illinois University – Edwardsville
M.S.N., McKendree University

Kris Kersey
Industrial Maintenance Instructor/ Coordinator
Certificate, Lake Land College
A.A.S., Lake Land College

Christian Kessler
Agronomy Instructor/Farm Manager
A.A., Lake Land College
B.S., Southern Illinois University – Carbondale
M.S., Southern Illinois University – Carbondale

Matt Landrus
English Instructor
A.A., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Lara Lash
Nursing Instructor
A.L.A, Lincoln College
A.S., Lincoln College
B.S.N., St. John's College of Nursing
M.S.N., Benedictine University

Jonathan Lebold
Business Instructor
B.S., Eastern Illinois University
M.B.A., University of Phoenix

Katie Lotz
Economics Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Sarah Lucht
Communication Studies Instructor
A.A.S., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Benjamin Madlem
Automotive Technology Instructor
A.A.S., Lake Land College

Brian Madlem
Division Chair – Technology & Business
A.A.S., Lake Land College

Cody Marlar
Mathematics Instructor
A.S., A.A.S., Parkland College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Danielle Mayhaus
Nursing Instructor
A.A.S., Lake Land College
B.S.N., Southern Illinois University – Edwardsville
M.S., Indiana Wesleyan University

Jennifer Melton
Academic Counselor/Chair of Counseling & Student Conduct
B.A., Ohio State University
M.S., Eastern Illinois University
PhD., Maryville University-St. Louis

Claire Miller
Chemistry Instructor
B.S., Eastern Michigan University
Ph.D., University of Illinois

Kara Molzen
Dental Hygiene Instructor
A.S., Lake Land College
A.A.S., Lake Land College
B.S., Eastern Illinois University

Tina Moore
Director of Career Services
A.S., Lake Land College
B.A., Eastern Illinois University
M.S. Ed., Eastern Illinois University

Rakhsha Nasseripour
Physics Instructor
B.S., Amir Kabir University of Technology
M.S., Florida International University
Ph.D., Florida International University

Russell Neu
John Deere Technology Instructor
A.A.S., Lake Land College
B.S., Southern Illinois University – Carbondale

Robert Newell
English Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Amber Niebrugge
Psychology Instructor
A.A., Lake Land College
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Kellie Niemerg
Academic Counselor
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Maria Nohren
Nursing Instructor
B.S., Southern Illinois University – Edwardsville
M.S., Indiana State University

Samuel Orrick
Division Chair Agriculture/ Agriculture Instructor
A.S., Lake Land College
B.S., Kansas State University
M.S., Southern Illinois University – Carbondale

Jessie Palmer
Physical Therapist Assistant Instructor
A.A.S., Lake Land College
B.S., Concordia University

Katie Parrish
Sociology Instructor
B.A., Eastern Illinois University
M.A., Southern Illinois University – Edwardsville

Cassandra Porter
Nursing Instructor
B.S.N., St. John's College of Nursing
M.S., Southern Illinois University/ Edwardsville

Gregory Powers
Broadcasting/Communication Studies Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Casey Reynolds
Spanish/English Instructor
B.A., Utah State University
M.A., Illinois State University

Constance Rickey
Nursing Instructor
A.S., Lake Land College
B.S.N., Chamberlain University
M.S.N., Chamberlain University

Eva Ritchey
Communication Studies Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Walter Robison
Applied Engineering Technology Instructor
A.A.S., Lake Land College

Mike Rudibaugh
Division Chair Math & Science/
Geography/Earth Science Instructor
A.A., Lincoln Trail College
B.A., Eastern Illinois University
M.A., Indiana State University
Ph.D., Indiana State University

Lisa Shumard-Shelton
Director of Student Life
B.A., Eastern Illinois University
M.A, Gonzaga University

Logan Smith
Dental Hygiene Instructor
B.S., Southern Illinois University –
Carbondale

Kimberly Smithenry
Nursing Instructor
A.A.S., Lake Land College
B.S., Southern Illinois University –
Edwardsville
M.S.N., Indiana State University

Michael Stanfield
CIM Technology Instructor/
Program Coordinator
A.A.S., Lake Land College
B.A., Eastern Illinois University
B.S., Eastern Illinois University
M.A., Lindenwood University

Misty Stone
Nursing Instructor
L.P.N., Decatur School of Practical Nursing
B.S., Southern Illinois University –
Edwardsville

Richard Sumitro
Mathematics Instructor
B.S., University of Illinois – Urbana
M.S., Illinois State University

Erin Swingler
Division Chair Allied Health/
Nursing Instructor
Certificate, Lake Land College
A.A.S., Southern Illinois
Community College
B.S., Southern Illinois University –
Carbondale
B.S., Southern Illinois University –
Edwardsville
M.S.N., Indiana State University
D.N.P. Indiana State University

Edward Thomas
Division Chair Humanities &
Communication/Communication
Studies/English Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

David Turnbull
Biological Science Instructor
A.S., Hudson Valley Community College
B.S., State University
M.S., Iowa State University
Ph.D., Iowa State University

Tanille Ulm
Early Childhood Education Instructor
A.A., Lake Land College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Beulah Uphoff
Basic Nurse Assistant Instructor
A.A.S., Illinois Eastern Community Colleges
B.S., Eastern Illinois University
M.A., Eastern Illinois University

Aaron Walk
Academic Counselor
A.A.S., Lake Land College
B.A., University of Illinois – Springfield
M.A., Eastern Illinois University
M.S., Eastern Illinois University

Tara Watson
English Composition Instructor
A.A., Lake Land College
B.A., Eastern Illinois University
M.A., Eastern Illinois University

Jeffrey White
Biological Science Instructor
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Hayden Wilder
Agriculture Instructor/Judging Team Coach
A.S., Black Hawk College
B.S., Western Illinois University
M.B.A., Western Illinois University

Ryan Wildman
Agriculture Business Instructor
A.S., Lake Land College
B.S., Southern Illinois University –
Carbondale
M.S., University of Illinois

Bethany Workman
Nursing Instructor
A.A.S., Lake Land College
B.S.N., Southern Illinois University –
Edwardsville
M.S.N., McKendree University

Sarah Wright
Business Instructor/Program Coordinator
Office Professionals – Medical
A.A.S., Lake Land College
B.S., Stephens College
M.B.A., Murray State University

Molly Yeske
Medical Assistant Program Instructor
B.A., Eastern Illinois University
M.S., Eastern Illinois University

Rachel Young
Business Instructor
B.A., Eastern Illinois University
M.A., Eastern Illinois University

CUSTODIAL/ MAINTENANCE STAFF

Jana Barker
Master Gardener

Paul Brewer
Custodian

Stephanie Bridges
Custodian

Mark Edwards
Custodian

Seven Elkins
Custodian

Zachary Gough
Groundskeeper

Ahmed Hadjaoui
Custodian

Jarold Jennings
Fist Shift Custodian

Jace Kearns
Groundskeeper

William Kearns
Maintenance II

Daniel Kingery
Custodian

David Matherly
Custodian

Roger Misenheimer
Maintenance I

Scott Mummel
Custodian

Zachary Robertson
Custodian

Jody Shriver
Maintenance II

Jay Snyder
Custodian

Virginia Tipton
Custodian

Dalton Todd
Groundskeeper

Diana White
Lead Custodian

INSTITUTIONAL SUPPORT STAFF

Abigail Allen
Dual Credit Specialist

Lesa Allsop
Apprenticeship Coordinator

Stephanie Anderson
Career Readiness Coordinator

Tera Arnold
Financial Aid Student Scholarship Specialist

Jasmine Ballard
Emergency Services Program Coordinator

Ryan Batman
Infrastructure Analyst

Lisa Bennett
Adult Education Advisor

Jerri Blazich
Coordinator of Laker Nest & Bookstore

Katheranne Bond
Enrollment Specialist

Mercury Bowen
Coordinator of Student Development

Emily Bowling
Wide Format Specialist

Adam Carter
CBI Training Specialist

Bailey Cole
Director of Annual Giving & Alumni Relations

Dylan Cole
Assistant Comptroller & Purchasing Coordinator

Connie Compton
Administrative Assistant to the Vice President

Kelly Cothern
Marketing Specialist

Bethany Craig
Grants Writer and Coordinator

Charity Dasenbrock
Counseling Services Coordinator

Laura Deornellas
Enrollment Specialist – Ag Career & Technical

Joshua Dick
ETC Site Technician

Michael Doty
Technical Support Specialist

Rebecca Earp
Administrative Assistant to the Vice President

Holly Ferren
Financial Aid Loan Specialist

Brian Fraser
Application Engineer

Matthew Gillenwater
Application Engineer

Julio Godinez
Sports Information & Compliance Coordinator/Head Baseball Coach

Grayson Gough
Foundation Awards & Corporate Relations Coordinator

Lynze Greenwood
Financial Aid Communication Specialist

Colt Guyon
Police Officer

Stacey Hakman
Academic Scheduling Coordinator

Gregory Harper
DOC Infrastructure Specialist

David Higgs
Technical Support Specialist

Peighton Hinote
Coordinator for Student Communication & Initiatives

Erica Hotze
Surgical Technical Program Director and Clinical Coordinator

Richard Hunt
Technical Training Coordinator

Lainey Jackson
Athletic Operations and Development Specialist/Head Volleyball Coach

Kyle Jeisy
Digital Communications Coordinator

Tomoko Jo
Coordinator of International Studies Program

Codi Julius
TRIO Destination College Outreach Advisor

Joy Kaurin
Perkins Specialist

Jana Kelly
Webmaster

Justin Lang
Transportation Training Specialist

Julian Larry
Strength & Conditioning Coach/ Head Men's Basketball Coach

Amanda Latch
Print Shop Technician

Seirra Laughhunn
Executive Assistant to the President's Office

Jeffery Lawyer
Transportation Training Specialist

Shelly Martin
Community & Professional Programs Coordinator

Dustin Mason
Application Engineer

Donna McCoy
Foundation Office Coordinator

Jani Merryman
Adult Education Advisor

Sharmista Miller
Coordinator of Employment and Compensation

Janet Morris
Financial Aid Accountant

Kaylee Mulkins
TRIO Outreach & Retention Specialist

Jacob Murphy
Lab & Chemical Safety Coordinator

Megan Nelson
Senior Designer & Brand Coordinator

Susan Nugent
Online Support & Instructional Specialist

Nichole Ogilvie
Athletic Trainer

Taylor Orris
Enrollment Specialist

Krista Pickering
Financial Analyst

William Pickering
Police Officer

Mariah Plunkett
Police Officer

Kelli Pope
Financial Aid Verification Specialist

Bryce Ragon
Web Programmer

Michele Reeder
Director IDOT AMTP Certification and Recertification Program

Emily Reid
Student Wellness Specialist

Heidi Rienbolt
Employment Specialist

Scott Robison
Police Officer

Naomi Saxon
Assistant Director of Financial Aid

Tara Schaljo
TRIO Destination College Outreach Advisor

Crystal Schoonover
ISS Technical Support Technician

Gavin Shawver
TRIO Student Support Services Advisor

Trevor Smyser
Infrastructure Analyst

Tanner Stephens
Data Analyst & Data Warehouse

Timothy Stoltz
Student Life Specialist

Christina Uphoff Nees
Training & Development Coordinator

David Vogel
Print Shop Graphic Designer Print Assistant

Penny Walk
Donor Information & Database Coordinator

Rachael Walker
Simulation Lab Nurse

Christina Welch
Course Material Specialist

Aaron Wendt
Communications Engagement Coordinator

Nathan Westendorf
Program Manager

Christina White
College Nurse

Mariah White-Landrus
Adult Education Transition Coordinator

Katherine Willenborg
IDOT QMTP Program Specialist

Colleen Winchester
Sr. Human Resources Generalist and College Compliance Coordinator

Philip Zike
Technical Support Specialist II

PARAPROFESSIONAL STAFF

April Byard
Workforce Solutions Specialist

Lesley Coderko
Admissions & Records Specialist

Nicole Dare
Accounting Assistant III – Accounts Payable

Lynne Donaldson
Marketing Production Specialist

Hilary Donley
Allied Health Specialist

Nicole Ethridge
Administrative Assistant for Enrollment & Student Success

Tanisha Fulk
Admissions & Records Specialist

John Hartke
Bookstore Assistant

Hayley Haskett
Student Engagement Administrative Assistant

Kathryn Helmink
Library Cataloging/Acquisitions Assistant

Ashley Homann
Administrative Assistant to Allied Health – Dental

Audrey Huffmaster
Academic Services Specialist

Allyssa Kreke
Administrative Assistant to Humanities

Lisa Leisch
Counseling Services Operations Specialist

Michele McFarland
Accounting Assistant III – Accounts Receivable

Erin Miller
Administrative Assistant to Academic Services

Rebecca Mueller
Library Circulation Assistant

Angela Parr
Administrative Assistant to the Effingham Technology Center

Meredith Perez
Administrative Assistant to Field House Operations

Claire Phillips
Admissions & Records Specialist

Brett Roberts
Administrative Assistant to Math/Science and SSE

Bailey Sigrist
Admissions & Records Specialist

Catherine Tillman
Library Circulation Assistant

Lori Tolppanen
Administrative Assistant to Business

Kimberly Wellbaum
Facilities Coordinator to Physical Plant Operations

SUPERVISORY STAFF

Kasey Alexander
Police Sergeant

Kendra Bierman
Student Wellness Center Manager

Dustyn Fatheree
Director of Adult Education

Michelle Gill
Accounting & Payroll Specialist

Pamela Hartke
Associate Dean of Enrollment Management

Kimberly Hunter
Director Student Success Services

Brittany Johnson-Kroeger
Manager of Bookstore and Course Materials Operations

Timothy Leisch
Custodial Services Supervisor

Shannon McGregor
Associate Dean of Curriculum & Assessment

Justin Onigkeit
Transportation Training Coordinator

Travis Rauschek
Director of Information Security

Tony Sharp
Director of Enterprise Applications

Paula Smith
Director of Enrollment Services

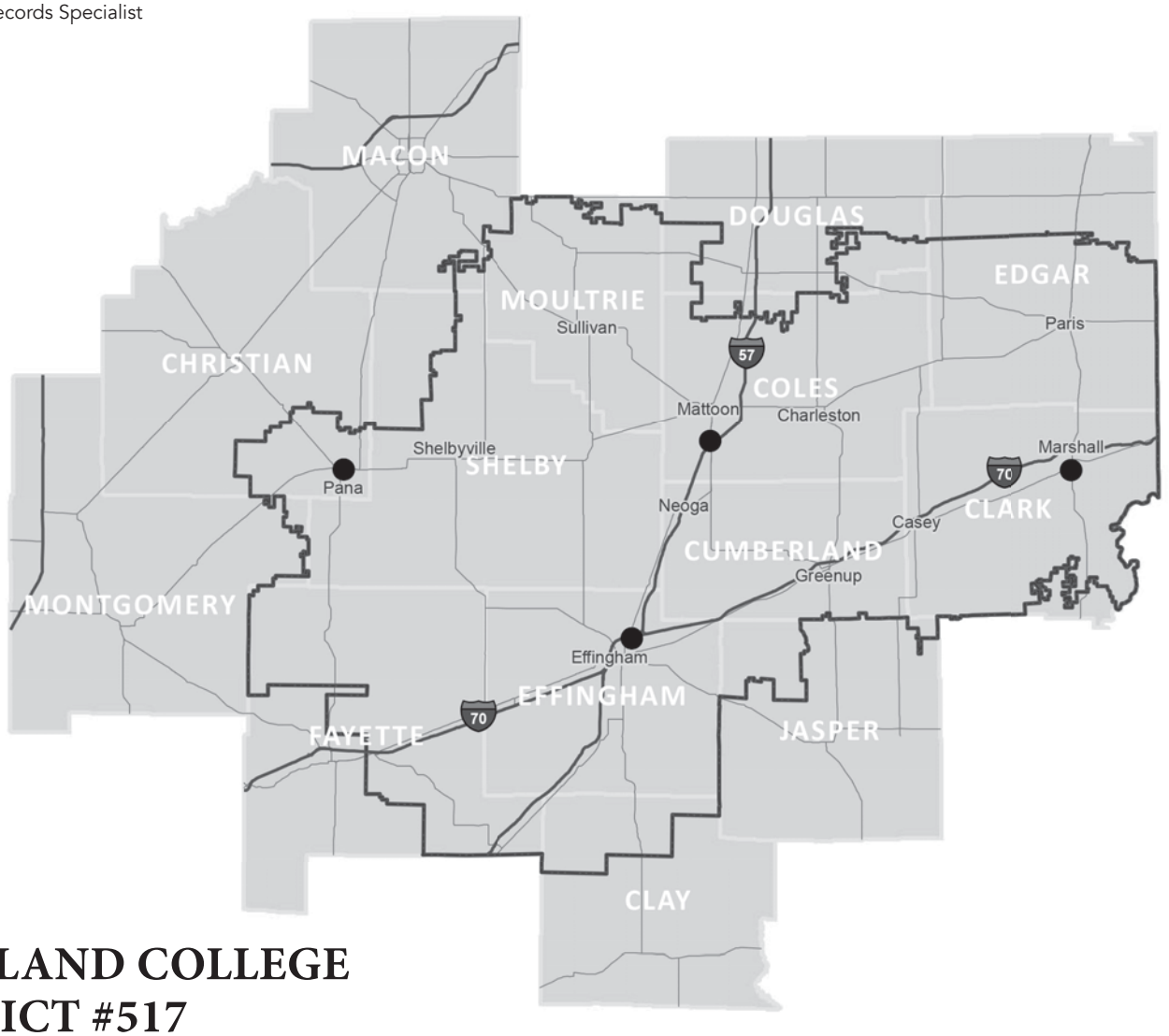
Jeffrey Suckow
Police Sergeant

Nermine Tawdros
Assistant Director of Trio Programs

Jerome Tkachuk
Director of Effingham Education & Regional Extension Centers

James Westendorf
Director of Technical Services

Tessa Wiles
Director of Dual Credit



LAKE LAND COLLEGE DISTRICT #517

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LAKE LAND COLLEGE
5001 LAKE LAND BLVD.
MATTOON, IL 61938
217-234-5434
LAKELANDCOLLEGE.EDU