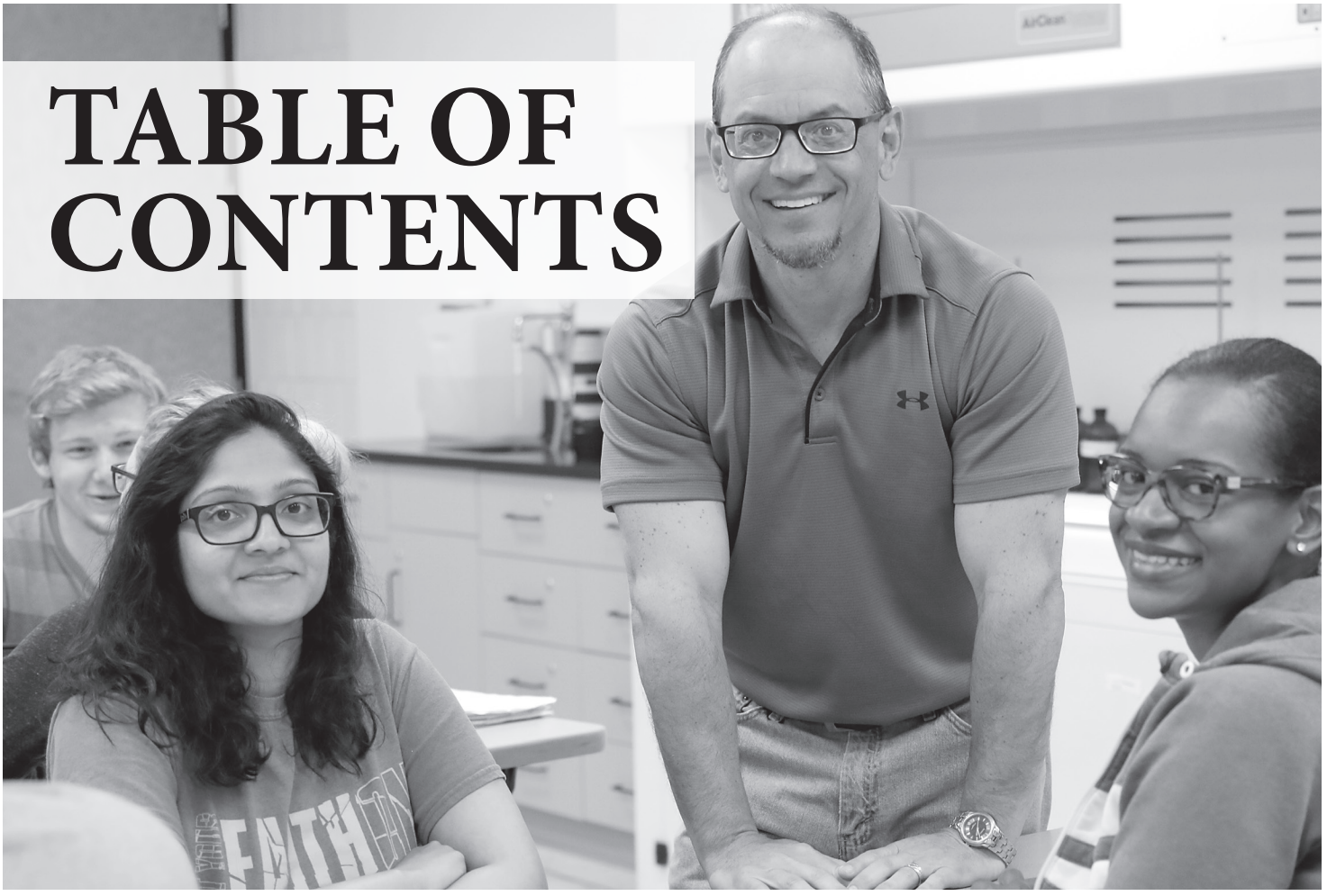
2020-2021 CATALOG

LAKE LAND COLLEGE

TABLE OF CONTENTS



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

2 PHONE DIRECTORY
3 WELCOME FROM THE LAKE LAND COLLEGE PRESIDENT
3 MEET THE BOARD OF TRUSTEES
3 MISSION/VISION/VALUES
4 ACADEMIC CALENDAR
6 EDUCATIONAL GUARANTEE
7 WORKFORCE READY MAJORS
133 TRANSFER READY MAJORS
179 ADMISSIONS
183 HOW TO PAY FOR COLLEGE
191 RESOURCES TO HELP YOU BE SUCCESSFUL
199 ACADEMIC STANDARDS
211 COLLEGE LIFE
215 SERVING THE COMMUNITY AND WORKFORCE
219 COURSE DESCRIPTIONS
261 COLLEGE PERSONNEL
269 INDEX

CONNECT WITH LAKE LAND COLLEGE

IMPORTANT PHONE NUMBERS

COLLEGE OFFICES

All numbers are 217 area code unless otherwise specified

Information for all college numbers except those listed below	**217-234-5253**
Accounting/Tuition & Fees Payment	234-5214
Admissions & Records	234-5434
Fax	234-5390
Graduation	234-5028
Records	234-5311
Registration	234-5434
Agriculture Division	234-5208
Allied Health Division	234-5448
Alumni	234-5376
Assessment	234-5088
Auxiliary Services	234-5475
Business Division	234-5348
Career Services	234-5288
Counseling Services	234-5232
Dual Credit	234-5044
Financial Aid and Veteran Services	234-5231
Educational Loans	234-5241
Foundation Scholarships	234-5231
Veteran Services	234-5255
Foundation	234-5445
Health Services/Handicapped Parking	234-5276
Honors Experience	234-5042
Humanities and Communications Division	234-5271
Human Resources	234-5410
Laker Nest Bookstore/Textbook Rental	234-5420
Library	
Circulation Desk	234-5367
Reference Desk	234-5440
Math and Science Division	234-5309
Police Department	234-5432
Social Science and Education Division	234-5331
Student Accommodations	234-5259
Hearing Impaired Contact – againes@lakelandcollege.edu	
Student Life	234-5277
TRiO Destination College	234-5003
TRiO Student Support Services	234-5456
Technology Division	234-5341
Tutoring and Testing Center	234-5287
Testing	234-5301
Tutoring	234-5366

OFF CAMPUS LOCATIONS

Eastern Region Center at the Forsythe Center	
224 S. Sixth St., Marshall	826-8490
Kluthe Center for Higher Education and Technology	
1204 Network Centre Blvd., Effingham	540-3555
Massage Therapy Program	540-3535
Physical Therapist Assistant Program	540-3535
Workforce Development Center	
305 Richmond Avenue East	235-2222
Adult Education	238-8292
Center for Business & Industry	235-1282
Commercial Driver Training	238-8239
Community Education	234-5087
Correctional Programs	540-3518
Pathways	238-8383
Professional Development	238-8260
Traffic Safety	235-1282
Western Region Center	
600 E. First St., Pana	562-5000

Visit the employee directory online
lakelandcollege.edu

This publication is not a contract or offer to contract.
The Lake Land College Board of Trustees, college executive officers and their agents reserve the right to change information contained herein without notice when circumstances warrant such action.

WELCOME FROM THE **PRESIDENT**

Welcome to Lake Land College! As you learn more about the college and meet our faculty and staff, you will soon realize that we are all here for you! We start by making sure you have the right foundation for success with Online New Student Orientation and in-person Advising and Registration Day.

As a Laker, you will have access to academic majors that either prepare you to enter the workforce immediately upon graduation or to transfer to a university and earn a bachelor's degree. Lake Land faculty network with industry professionals and university faculty to ensure courses are relevant for the workforce and meet transfer requirements.

While this catalog is an excellent resource, I encourage you to visit Lake Land College and experience first-hand the caring environment, state-of-the-art technology and beautiful campus. You'll meet with faculty and staff who are committed to helping you reach your goals and see why the college has been named among the top 150 community colleges in the nation by the Aspen Institute for the fourth time.

In addition, you'll learn more about the value of a Lake Land College education. Our affordable tuition and fees provide an opportunity to move on to the next phase of your career or education with little or no debt. The savings add up with our economical textbook rental program and free parking.

Join us for a Laker Visit Day open house or schedule a campus visit online at lakelandcollge.edu/visit or call 217-234-5232. We look forward to welcoming you to Laker Nation! 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 ♦ Showing respect and compassion for others

Communication ♦ Creating an environment that values the open exchange of ideas

Excellence ♦ Consistently achieving the highest level of quality

Innovation ♦ Taking risks to create new opportunities

Teamship ♦ Working together and with others to create a whole greater than the sum of the parts

BOARD OF TRUSTEES

Pictured left to right first row: DENISE WALK, Trustee, Teutopolis, 2019-2023; MIKE SULLIVAN, Vice Chair, Mattoon, 1987-2023; DORIS REYNOLDS, Chair, Mattoon, 1993-2023; DAVE STORM, Trustee, Effingham, 2013-2025; *second row:* SHELBIE KILE, Student Trustee, Marshall, 2019-2020; KEVIN CURTIS, Trustee, Mattoon, 2019-2025; TOM WRIGHT, Trustee, Dieterich, 2019-2021; GARY CADWELL, Secretary, Mode, 2009-2021.

ACADEMIC CALENDAR

FALL SEMESTER 2020

AUGUST
21 Staff Development 8-10 a.m. Full Services Resume at 10 a.m.
24 First Meeting of Full Semester & Module 1 Classes
28 Last Day for Refund – Module 1

SEPTEMBER
4 Last Day for Refund – Full Semester
7 College Closed
18 Mid-Term Module 1
19 No Day or Evening Classes

OCTOBER
6 College Career Day/Adjunct Faculty Development Evening – No Day or Evening Classes
12 Last Day for Withdrawal – Module 1
16 Last Day of Classes – Module 1
16 Mid-Term Full Semester
19 First Meeting of Module 2 Classes
23 Last Day for Refund – Module 2

NOVEMBER
12 Mid-Term – Module 2
20 Last Day to File Intent to Graduate for Fall
25 Staff Development – No Day or Evening Classes
26-29 College Closed

DECEMBER
7 Last Day for Withdrawal – Full Semester & Module 2
11 Last Day of Classes – Full Semester & Module 2
14-17 Final Examinations
18 Semester Close Grades Due at Noon

SPRING SEMESTER 2021

JANUARY
8 Staff Development 8-10 a.m. Full Services Resume at 10 a.m.
11 First Meeting of Full Semester & Module 1 Classes
15 Last Day for Refund – Module 1
18 College Closed
25 Last Day for Refund – Full Semester

FEBRUARY
5 Mid-Term Module 1

MARCH
1 Last Day for Withdrawal – Module 1
5 Last Day of Classes Module 1
5 Mid-Term Full Semester
8-12 Spring Recess – No Day or Evening Classes
12 College Closed
15 First Meeting of Module 2 Classes
19 Last Day to File Intent to Graduate for Spring
19 Last Day for Refund – Module 2

APRIL
2 College Closed
13 Mid-Term Module 2
15-16 Staff Development Days – No Day or Evening Classes

MAY
4 Last Day for Withdrawal – Full Semester & Module 2
10 Last Day of Classes – Full Semester and Module 2
11-14 Final Examinations
14 Commencement – 6 p.m.
17 Semester Close Grades Due at Noon

SUMMER TERM 2021

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

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

JULY
1 Mid Term
5 College Closed
22 Last Day for Withdrawal
22 Last Day to File Intent to Graduate for Summer

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

Dates that all college offices are closed **2020–2021**

- September 7, 2020 – Labor Day
- November 26 & 27, 2020 – Thanksgiving
- December 24, 2020 through January 1, 2021 – Semester Break
- January 18, 2021 – Martin Luther King Jr. Day
- March 12, 2021 – Spring Break
- April 2, 2021 – Good Friday
- May 31, 2021 – Memorial Day
- July 5, 2021 – Independence Day

COLLEGE OPEN MONDAY THROUGH THURSDAY ONLY MAY 17 THROUGH AUGUST 13.

FALL SEMESTER 2021

AUGUST

20 Staff Development 8-10 a.m. Full Services Resume @ 10 a.m.
23 First Meeting of Full Semester & Module 1 Classes
27 Last Day for Refund – Module 1

SEPTEMBER

3 Last Day for Refund – Full Semester
6 College Closed
17 Mid-Term Module 1
18 No Day or Evening Classes

OCTOBER

5 College Career Day/Adjunct Faculty Development Evening – No Day or Evening Classes
11 Last Day for Withdrawal – Module 1
15 Last Day of Classes – Module 1
15 Mid-Term Full Semester
18 First Meeting of Module 2 Classes
22 Last Day for Refund – Module 2

NOVEMBER

11 Mid-Term – Module 2
19 Last Day to File Intent to Graduate for Fall
24 Staff Development – No Day or Evening Classes
25-28 College Closed

DECEMBER

6 Last Day for Withdrawal – Full Semester & Module 2
10 Last Day of Classes – Full Semester & Module 2
13-16 Final Examinations
17 Semester Close – Grades Due Noon

SPRING SEMESTER 2022

JANUARY

7 Staff Development 8-10 a.m. Full Services Resume @ 10:00 a.m.
10 First Meeting of Full Semester & Module 1 Classes
14 Last Day for Refund – Module 1
17 College Closed
24 Last Day for Refund – Full Semester

FEBRUARY

4 Mid-Term Module 1
28 Last Day for Withdrawal – Module 1

MARCH

4 Last Day of Classes Module 1
4 Mid-Term Full Semester
7-11 Spring Recess – No Day or Evening Classes
11 College Closed
14 First Meeting of Module 2 Classes
18 Last Day to File Intent to Graduate for Spring
18 Last Day for Refund – Module 2
31 Staff Development Days – No Day or Evening Classes

APRIL

1 Staff Development Days – No Day or Evening Classes
12 Mid-Term Module 2
15 College Closed

MAY

3 Last Day for Withdrawal – Full Semester & Module 2
9 Last Day of Classes – Full Semester and Module 2
10-13 Final Examinations
13 Commencement – 6 p.m.
16 Semester Close – Grades Due Noon

SUMMER TERM 2022

MAY

16 First Meeting of Classes – Intersession
16 Last Day for Refund – Intersession
30 College Closed
31 Last Day for Withdrawal – Intersession

JUNE

1 Last Day of Classes – Intersession
6 First Meeting of Classes
13 Last Day for Refund
30 Mid Term

JULY

4 College Closed
21 Last Day to File Intent to Graduate for Summer
25 Last Day for Withdrawal

AUGUST

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

Dates that all college offices are closed **2021–2022**

- September 6, 2021 – Labor Day
- November 25 & 26, 2021 – Thanksgiving
- December 23, 2021 – January 2, 2022 – Semester Break
- January 17, 2022 – Martin Luther King Jr. Day
- March 11, 2022 – Spring Break
- April 15, 2022 – Good Friday
- May 30, 2022 – Memorial Day
- July 4, 2022 – Independence Day

COLLEGE OPEN MONDAY THROUGH THURSDAY ONLY MAY 16 THROUGH AUGUST 12.

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 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.

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 North LaSalle Street, Suite 7-500, Chicago, IL 60604, hlcommission.org

Commission for Accreditation in Physical Therapy Education – American Physical Therapy Association

CoAEMSP (Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions) through the Commission on Accreditation of Allied Health Education Programs (CAAHEP)

Council on Dental Education, American Dental Association

Accreditation Commission for Education in Nursing

Approved as a Class I Community College by:

Illinois Community College Board

Illinois Board of Higher Education

Affirmative Action/Equal Opportunity

Lake Land College is committed to maintaining a working and learning environment that promotes equal opportunity and affirmative action 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, color, sex, age, religion, national origin, ancestry, disability, marital or civil union status, veteran status, sexual orientation or any basis of discrimination precluded by applicable federal and state statutes. This policy applies to admission and access to and participation, treatment and employment in the College's programs, activities, and services.

The following campus office is assigned the responsibility for ensuring compliance with this policy as well as federal and state statutes and regulations concerning affirmative action and equal access: Office of the Director of Human Resources, 217-234-5210 / Human Resources Office

Complaint forms and procedures for filing can be obtained through Counseling Services or Human Resources. In addition, these offices will maintain current copies of appropriate laws, regulations, and policies.

IN THIS CHAPTER:

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

WORKFORCE READY MAJORS

WORKFORCE READY

Majors are designed to move students from college into the workforce 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 of the Workforce Ready majors provide "transfer tracks" for students, providing options to take classes that will transfer to the university.

GENERAL EDUCATION REQUIREMENTS

WORKFORCE READY MAJORS
ASSOCIATE IN APPLIED SCIENCE DEGREE

Communication	3 Semester Hours
Social Science	3 Semester Hours
Mathematics/Science	2 Semester Hours
Health/Physical Education *or* Strategies for Success *or* Recreation	2 Semester Hours
	10 SEMESTER HOURS

Six (6) semester hours of general education are designated in the model schedules of the individual programs. These six semester hours must be taken in a minimum of two (2) of the following areas: Communications, Mathematics, Physical and Life Sciences, Humanities and Fine Arts, and Social and Behavioral Sciences. Courses in Health, Physical Education, Recreation, and Strategies for Success are also eligible.

16 SEMESTER HOURS

WORKFORCE READY MAJORS

AGRICULTURE 217-234-5208

CODE	TITLE	PAGE #
CRT.AGBUS	Ag Business (Certificate)	13
AAS.AGBUS	Agriculture Business & Supply (AAS)	14
AAS.AGPRO	Agriculture Production & Management (AAS)	15
CRT.CROP	Crop Production (Certificate)	45
AAS.AGPWR	Diesel & Ag Power Technology	50
CRT.AGPWR	Diesel & Ag Power Technology	51
AAS.HRT	Horticulture (AAS)	63
CRT.HRT	Horticulture (Certificate)	62
AAS.JDAT	John Deere Tech (AAS)	82
CRT.LVST	Livestock Production (Certificate)	85

ALLIED HEALTH 217-234-5201 or 217-234-5447

CODE	TITLE	PAGE #
TRACK PROGRAMS		
AAS.ADN.TRK	Associate Degree Nurse Track	17
AAS.DH.TRK	Dental Hygiene Track	46
CRT.MT.TRK	Massage Therapy Track	91
AAS.PTA.TRK	Physical Therapist Assistant Track	112
CRT.MAP.TRK	Medical Assistant Track	93
AAS.MAP.TRK	Medical Assistant Track	93
CRT.PN.TRK	Practical Nursing Track	116
DEGREE/CERTIFICATE PROGRAMS		
AAS.ADN	Associate Degree Nurse (AAS)	18
NDP.NA	Basic Nurse Assisting (Certificate)	23
NDP.BNA	Basic Nursing Assistant	24
AAS.DH	Dental Hygiene (AAS)	47
NDP.EMS	Emergency Medical Services (Certificate)	56
CRT.MT	Massage Therapy (Certificate)	91
AAS.MAP	Medical Assistant (AAS)	94
CRT.MAP	Medical Assistant (Certificate)	95
AAS.PS	Paramedical Services (AAS)	108
CRT.PS	Paramedical Services (Certificate)	109
AAS.PTA	Physical Therapist Assistant (AAS)	113
CRT.PN	Practical Nursing (Certificate)	117

BUSINESS 217-234-5348

CODE	TITLE	PAGE #
TRACK PROGRAMS		
CRT.COS.TRK	Cosmetology Track	42
CRT.ESTH.TRK	Esthetics Track	58
DEGREE/CERTIFICATE PROGRAMS		
AAS.ACC	Accounting (AAS)	11
CRT.ACC	Accounting (Certificate)	12
CRT.BUSDEV	Business Development	29
NDP.CMPAP	Computer Applications Specialist (Certificate)	39
CRT.COS	Cosmetology (Certificate)	42
CRT.COSTR	Cosmetology Teacher (Certificate)	43
CRT.DPGD	Desktop Publishing (Certificate)	49
CRT.EMKT	Electronic Marketing (Certificate)	54
NDP.ENTRE	Entrepreneurship (Certificate)	57
CRT.ESTH	Esthetics (Certificate)	58
AAS.DPGD	Graphic Design (AAS)	60
AAS.ITAPS	IT – Computer Applications (AAS)	72
CRT.ITAPS	IT – Computer Applications (Certificate)	73
CRT.ITGD	IT – Computer Game Development (Certificate)	74
CRT.ITDMS	IT – Digital Media Specialist (Certificate)	75
AAS.ITNET	IT – Network Administration (AAS)	76
CRT.ITNET	IT – Network Administration (Certificate)	77
AAS.ITPRO	IT – Programming (AAS)	78
CRT.ITPROG	IT – Programming (Certificate)	79
AAS.ITWEB	IT – Web Technology (AAS)	80
CRT.ITWEB	IT – Web Technology (Certificate)	81
AAS.MGT	Management (AAS)	86
NDP.MGT	Management (Certificate)	87
AAS.MKTG	Marketing (AAS)	89
CRT.MKTG	Marketing (Certificate)	90
AAS.HIMC	Medical Coding & Health Information (AAS)	96
CRT.MCS	Medical Coding Specialist (Certificate)	97
CRT.MDTRN	Medical Transcriptionist (Certificate)	98
AAS.AAEXE	Office Assistant – Executive (AAS)	100
AAS.AALEG	Office Assistant – Legal (AAS)	101
AAS.AAMED	Office Assistant – Medical (AAS)	102
AAS.OFMGT	Office Manager (AAS)	103
CRT.OFREC	Office Receptionist (Certificate)	104
NDP.OFSK.GEN	Office Support Specialist (Certificate)	105
NDP.OFSK.MED	Office Support Specialist – Medical (Certificate)	106
NDP.OFSK.MOS	Office Support Specialist – MOS (Certificate)	107
CRT.SALES	Professional Sales (Certificate)	119

HUMANITIES AND COMMUNICATIONS 217-234-5271

CODE	TITLE	PAGE #
CRT.RTVAN	Broadcast Announcing (Certificate)	26
CRT.RBRD	Radio Broadcasting (Certificate)	121
AAS.RTV	Radio/TV Broadcasting (AAS)	122
NDP.TVFS	TV Field/Studio Production (Certificate)	129

MATH AND SCIENCE 217-234-5309

CODE	TITLE	PAGE #
NDP.GIS	Geospatial Technology (Certificate)	59

SOCIAL SCIENCE / EDUCATION 217-234-5331

CODE	TITLE	PAGE #
AAS.CFS	Child & Family Services (AAS)	30
NDP.CJL	Criminal Justice Leadership	44
AAS.ECE	Early Childhood Care and Education (AAS)	52
AAS.HSP.BUS	Human Services – Business (AAS)	64
AAS.HSP.CRJ	Human Services – Criminal Justice (AAS)	65
AAS.HSP.DIT	Human Services – Dietetics (AAS)	66
AAS.HSP.EDU	Human Services – Education (AAS)	67
AAS.HSP.HEA	Human Services – Health (AAS)	68
AAS.HSP.PSY	Human Services – Psychology (AAS)	69
AAS.HSP.SOC	Human Services – Sociology (AAS)	70
AAS.LE	Law Enforcement (AAS)	83
NDP.LEO	Law Enforcement Operations (Certificate)	84
CRT.NCCP	Nanny Child Care Provider (Certificate)	99
AAS.PRPRO	Paraprofessional Educator (AAS)	111
CRT.PRPRO	Paraprofessional Education (Certificate)	110

TECHNOLOGY 217-234-5313

CODE	TITLE	PAGE #
AAS.MECH	Applied Engineering Technology (AAS)	16
CRT.AUTO	Auto Mechanic (Certificate)	20
AAS.AUTO	Automotive Technology (AAS)	21
NDP.BMAN	Basic Manufacturing (NDP)	22
NDP.BWEL	Basic Welding (NDP)	25
CRT.BCT	Building Construction (Certificate)	27
AAS.BCT	Building Construction Technology (AAS)	28
AAS.CET	Civil Engineering Technology (AAS)	31
AAS.CETCO	Civil Engineering Technology Co-op (AAS)	32
AAS.CETAT	CET/Advanced Technical Studies (AAS)	33
CRT.CNCO	CNC Operator (Certificate)	34
CRT.CNCP	CNC Programmer (Certificate)	35
AAS.CAD	Computer-Aided Design Technology (AAS)	37
CRT.CAD	Computer-Aided Drafting (Certificate)	38
NDP.CT	Computer Systems (NDP)	40
CRT.COMTC	Computer Technician (Certificate)	41
CRT.ECT	Electronic Control Technician (Certificate)	53
AAS.EET	Electronics Engineering Technology (AAS)	55
AAS.EETES	Electronics System Specialist (AAS)	52
CRT.HVAC	Heating, Ventilating, Air Conditioning & Refrigeration (Certificate)	61
CRT.INDMT	Industrial Maintenance (Certificate)	71
NDP.MSP	Manufacturing Skills 1 (Certificate)	88
AAS.MET	Mechanical Electrical Technology (AAS)	92
CRT.PLMT	Plastics Manufacturing Technician	115
AAS.PRTE	Production Technician	118
NDP.PLC	Programmable Logic Controllers (Certificate)	120
AAS.RNRG	Renewable Energy (AAS)	123
CRT.REMG	Renewable Energy Management (Certificate)	124
CRT.RENEW	Renewable Energy Technician (Certificate)	125
NDP.RSWR	Residential Wiring (Certificate)	126
AAS.CIM	Robotic & Automated Manufacturing (AAS)	127
NDP.SNRG	Sustainable Energy (Certificate)	128
AAS.WEL	Welding (AAS)	130
CRT.WEL	Welding Technology (Certificate)	131

COUNSELING SERVICES 217-234-5232

CODE	TITLE	PAGE #
ALS.LIB	Associate Degree in Liberal Studies	19

CENTER FOR BUSINESS AND INDUSTRY 1-800-789-1282 – 305 RICHMOND AVE E

CODE	TITLE	PAGE #
NDP.CTDT	Commercial Truck Driver Training (Certificate)	36

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 Liberal Studies (ALS) 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 Cooperative Agreement.

PERKINS PROGRAMS OF STUDY

Perkins Programs of Study are course sequences in career and technical education that provide a seamless transition for students from secondary to postsecondary education and careers. This sequence of course offerings begins in the ninth grade and continues through at least two years of postsecondary education. Programs of study include opportunities to earn college credit (dual credit), industry recognized certificates at the post-secondary level and an associate or bachelor's degree. For more information regarding Programs of Study contact the Office of the Vice President for Academic Services, 217-234-5228.

ACCOUNTING

(AAS.ACC) ASSOCIATE IN APPLIED SCIENCE

The Accounting 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
BUS-095	Fundamentals of Accounting	3.0
BUS-142	Introduction to Business	3.0
CIS-160	Practical Software Application	3.0
BUS-094	Business Math	3.0
ENG-095	Business English or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-151	Financial Accounting *	3.0
ECO-130	The American Economy or	
ECO-231	Principles of Econ I (Macro)	3.0
BUS-251	Principles of Management	3.0
BUS-200	Legal Environ/Business	3.0
CIS-093	Access	2.0
SFS-101	Strategies for Success or	
HED ---	Health Elective or	
PED ---	PE Elective	2.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
BUS-098	Intermediate Accounting *	3.0
BUS-152	Managerial Accounting *	3.0
BUS-141	Business Communications	3.0
BUS-086	Statistics for Business +	3.0
CIS-094	Excel	2.0
--- ---	General Education Elective	2.0
	SEMESTER TOTALS	**16.0**
Second Semester		
BUS-099	Computerized Accounting *	3.0
BUS-096	Federal Tax Accounting	3.0
BUS-097	Principles of Cost Accounting *	3.0
BUS-060	Automated Office Procedures *	3.0
BUS-087	Accounting Internship * or	
BUS/CIS	BUS/CIS Elective	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**62.0**

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

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

Faculty Contact: Cynthia Phipps
Faculty Email: cphipps@lakelandcollege.edu
Faculty Phone: 217-234-5350

ACCOUNTING

(CRT.ACC) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-095	Fundamentals of Accounting	3.0
BUS-094	Business Math or	
MAT ---	Math Elective 100 level or higher *	3.0
BUS-142	Introduction to Business	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications or	
ENG	English Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-151	Financial Accounting *	3.0
BUS ---	Accounting Elective	3.0
BUS-200	Legal Environ/Business or	
BUS-251	Principles of Management	3.0
ECO-130	The American Economy or	
ECO-231	Principles of Econ I (Macro)	3.0
BUS ---	Business Elective or	
CIS ---	CIS Elective	2.0
	SEMESTER TOTALS	**14.0**
Summer Term		
BUS ---	Accounting Elective	3.0
	SEMESTER TOTALS	**3.0**
	TOTAL PROGRAM HOURS	**32.0**

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

SUGGESTED ELECTIVES

BUS-096	Federal Tax Accounting	3.0
BUS-097	Principles of Cost Accounting *	3.0
BUS-098	Intermediate Accounting *	3.0
BUS-099	Computerized Accounting *	3.0
BUS-152	Managerial Accounting *	3.0

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Faculty Contact: Cynthia Phipps
Faculty Email: cphipps@lakelandcollege.edu
Faculty Phone: 217-234-5350

AG BUSINESS

(CRT.AGBUS) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-052	Principles of Crop Production + or	
AGR-204	Prin/Field Crop Science +++	3.0
AGR-060	Animal Husbandry +	3.0
AGR-050	Soils + or	
AGR-205	Intro/Soil Science	3.5
AGR-131	Agriculture Business Financing +	2.0
AGR-134	Business Analysis/Records +	2.0
--- ---	Elective	2.0
	SEMESTER TOTALS	**18.0**
Second Semester		
AGR-049	OSHA/Ag Mach Safety +++	1.0
AGR-111	Intro to Agriculture Software +++	2.0
AGR-123	Marketing of Ag Products +++	2.5
AGR-132	Retailing/Agri Supplies +++	2.0
AGR-133	Agriculture Salesmanship +++	2.5
AGR-041	Supervised Occupational Exp I +++	3.5
	SEMESTER TOTALS	**13.5**
Summer Term		
AGR-120	Agriculture Economics ++++ or	
AGR-207	Intro/Ag Economics	3.0
AGR-053	Integrated Pest Management ++++	3.0
AGR-042	Supervised Ocupational Exp II ++++	2.5
	SEMESTER TOTALS	**8.5**
	TOTAL PROGRAM HOURS	**40.0**

SUGGESTED ELECTIVES

AGR-124	Farm Credit and Finance ** +++	2.0
AGR-051	Soil Fertility ** +++	2.5
AGR-063	Animal Nutrition ** +++	2.5
AGR-151	GPS/Applications in Ag ** +	3.0
AGR-152	Intensive Crop Scouting ** +++	3.0

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only
** Electives must be approved by the Program Coordinator

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

Faculty Contact: Samuel Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5208

AGRICULTURE BUSINESS & SUPPLY

(AAS.AGBUS) ASSOCIATE IN APPLIED SCIENCE

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
ENG-098	Communications I + or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology or	
SOS-050	Human Relations	2.0
HED-178	Responding to Emergencies	2.0
AGR-046	Introduction to Ag Occupations +	1.0
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-050	Soils + or	
AGR-205	Intro/Soil Science *	3.5
AGR-060	Animal Husbandry + or	
AGR-206	Intro/Animal Science	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
SPE-111	Intro to Speech Communication or	
ENG-121	Composition II * or	
ENG-099	Communications II * +++	2.0
CHM-101	Physical Science II +++	3.0
AGR-049	OSHA/Ag Mach Safety +++	1.0
AGR-152	Intensive Crop Scouting +++ or	
AGR-063	Animal Nutrition +++	2.5
AGR-041	Supervised Occupational Exp I +++	3.5
AGR-111	Intro to Agriculture Software +++ or	
AGR-112	Computer Applic/Agriculture +++	2.0
--- ---	Elective **	2.0
	SEMESTER TOTALS	**16.0**

Summer Term		
AGR-042	Supervised Occupational Exp II ++++	2.5
AGR-120	Agriculture Economics ++++ or	
AGR-207	Intro/Ag Economics	3.0
AGR-053	Integrated Pest Management ++++	3.0
	SEMESTER TOTALS	**8.5**

SECOND YEAR

First Semester		Hours
AGR-052	Principles of Crop Production + or	
AGR-204	Prin/Field Crop Science +++	3.0
AGR-151	GPS/Applications in Ag +	3.0
AGR-043	Supv Occup Exp III +	3.0
AGR-131	Agriculture Business Financing +	2.0
AGR-134	Business Analysis/Records +	2.0
	SEMESTER TOTALS	**13.0**

Second Semester		
POS-160	American National Government	3.0
AGR-044	Supv Occup Exp IV +++	3.5
AGR-123	Marketing of Ag Products +++	2.5
AGR-132	Retailing/Agri Supplies +++	2.0
AGR-133	Agriculture Salesmanship +++	2.5
--- ---	Elective	0.5
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**68.5**

SUGGESTED ELECTIVES

AGR-051	Soil Fertility +++	2.5
BUS-085	Accounting Process	1.0
CIS-094	Excel	2.0
BUS-095	Fundamentals of Accounting	3.0
CIS-054	PowerPoint	2.0

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator
++++ Course offered in summer term only

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

Faculty Contact: Mark Niemerg
Faculty Email: mniemerg@lakelandcollege.edu
Faculty Phone: 217-234-5327

AGRICULTURE PRODUCTION & MANAGEMENT

(AAS.AGPRO) ASSOCIATE IN APPLIED SCIENCE

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I * or	
ENG-098	Communications I +	3.0
PSY-271	Intr/Psychology or	
SOS-050	Human Relations	2.0
HED-178	Responding to Emergencies	2.0
AGR-046	Introduction to Ag Occupations +	1.0
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-050	Soils + or	
AGR-205	Intro/Soil Science	3.5
AGR-060	Animal Husbandry + or	
AGR-206	Intro/Animal Science	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
SPE-111	Intro to Speech Communication or	
ENG-121	Composition II * or	
ENG-099	Communications II * +++	2.0
CHM-101	Physical Science II +++	3.0
AGR-049	OSHA/Ag Mach Safety +++	1.0
AGR-063	Animal Nutrition +++	2.5
AGR-041	Supervised Occupational Exp I +++	3.5
AGR-121	Farm Business Records +++	2.5
AGR-111	Intro to Agriculture Software +++ or	
AGR-112	Computer Applic/Agriculture +++	2.0
	SEMESTER TOTALS	**16.5**

Summer Term		
AGR-042	Supervised Ocupational Exp II ++++	2.5
AGR-120	Agriculture Economics ++++ or	
AGR-207	Intro/Ag Economics +	3.0
AGR-053	Integrated Pest Management ++++	3.0
	SEMESTER TOTALS	**8.5**

SECOND YEAR

First Semester		Hours
AGR-052	Principles of Crop Production + or	
AGR-204	Prin/Field Crop Science +++	3.0
AGR-090	Principles of Agri Mechanics +	2.5
AGR-043	Supv Occup Exp III +	3.0
AGR-122	Farm Management +	2.5
--- ---	Elective	1.5
	SEMESTER TOTALS	**12.5**

Second Semester		
POS-160	American National Government	3.0
AGR-044	Supv Occup Exp IV +++	3.5
AGR-123	Marketing of Ag Products +++	2.5
AGR-124	Farm Credit and Finance +++	2.0
AGR-051	Soil Fertility +++	2.5
	SEMESTER TOTALS	**13.5**
	TOTAL PROGRAM HOURS	**68.0**

SUGGESTED ELECTIVES

AGR-152	Intensive Crop Scouting +++	3.0
AGR-151	GPS/Applications in Ag +	3.0
AGR-054	Crop Harvesting/Drying/Storage +	2.5
CIS-094	Excel	2.0

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
++++ Course offered in summer term only

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

Faculty Contact: Samuel Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5360

APPLIED ENGINEERING TECHNOLOGY

(AAS.MECH) ASSOCIATE IN APPLIED SCIENCE

Mechatronics is a growing field that integrates electrical, mechanical, and digital control systems. Graduates create, maintain, and repair the latest equipment used in manufacturing and industrial settings. This program provides a combination of technical and scientific skills which enables graduates to work in a variety of settings. Instructional courses include: electricity, digital and linear circuits, numerical control, programmable logic controllers, as well as fluid power and mechanical systems.

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

FIRST YEAR

First Semester		Hours
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
CAD-056	CAD I	2.0
ENG-050	Writing for Industry	3.0
EET-056	Electronic Design/Fabrication	3.0
TEC-050	Technical Math I *	2.0
TEC-052	Technical Math II *	2.0
	SEMESTER TOTALS	**17.0**

Second Semester		
EET-076	Digital Logic *	3.0
EET-052	Solid State Devices *	4.0
IND-044	Fluid Power	3.0
HED-178	Responding to Emergencies	2.0
TEC-054	Technical Math III *	2.0
MET-045	Mechanical Drive Systems	2.0
TEC-043	Industrial Safety	1.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
EET-048	Digital Circuits	3.0
EET-078	Linear Electronics *	3.0
EET-086	Prog Logic Controllers I *	2.0
EET-081	Microcontroller Applications *	3.0
TEL-051	Networking Basics *	3.0
--- ---	Technical Elective	2.0
	SEMESTER TOTALS	**16.0**

Second Semester		
EET-085	Electronic Projects	2.0
CAD-060	3D Solid Modeling	3.0
SPE-111	Intro to Speech Communication	3.0
EET-075	HMI-Human Machine Interface	2.0
--- ---	Social Science Elective	3.0
TEC-056	Technical Math IV *	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**65.0**

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

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

ASSOCIATE DEGREE NURSE - TRACK

(AAS.ADN.TRK) ASSOCIATE IN LIBERAL STUDIES

The Associate Degree in Nursing Track (AAS.ADN.TRK) prepares the student for acceptance into the Associate Degree in Nursing (ADN) program. The ADN program is a competitive, special admission program.

Interested students should submit an Intent to Enroll to the college and list the Academic Program as AAS.ADN.TRK. Then, follow the ADN Application Checklist carefully for instructions about the application procedure. Students who select this academic program will be assigned a nursing faculty advisor. Once formally accepted into the ADN program, the nursing department will change the program code to AAS.ADN.

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

Applicants must have a completed nursing application on file in the nursing department by February 1. Applicants will be notified via email of tentative acceptance/denial within six weeks of the deadline.

Admission is competitive and selective using an objective formula. Selection criteria includes the date on the Admission Application, grades in co-requisite courses completed prior to application deadline, and the HESI A2 Admissions Assessment Exam score. Download the ADN Application Checklist from the website for the complete application procedure.

Admission Criteria The following must be completed by the February 1st deadline:

1. Complete an Intent to Enroll for Lake Land College. (Note: acceptance to the college does not guarantee admission into the ADN program.)
2. Complete the online Nursing Admission Application indicating interest in the Associate Degree Nursing program.
3. If applicable, submit an official transcript from any other colleges attended to Admissions & Records and request a transcript evaluation for AAS.ADN and AA.PNUR.
4. Complete pre-requisite BIO 100 or BIO 225 with a grade of "C" or better.
5. Achieve satisfactory scores on the Lake Land College Placement test, SAT, or ACT to determine eligibility to take the HESI A2 Admissions Assessment exam. See ADN admission checklist for details.
6. Achieve a satisfactory score of 75 on the HESI A2 Admissions Assessment exam. If the exam is repeated the most recent score is used. To ensure a completed application the HESI A2 Admissions Assessment exam should be taken in the fall prior to the February 1 application deadline. Scores are valid for 5 years.
7. High school students selected for the Partnership for Career and College Success (PCCS) curriculum will enter the nursing program in the second year at Lake Land College. See PCCS ADN Application Checklist.
8. Co-requisite courses may be taken prior to or during the semester designated but not after. Co-requisite courses are only accepted with a "C" or better. Completion of BIO 226 must be within 5 years of the program application deadline. A 2-credit cadaver course (ADN 061) is offered if A & P courses taken at other colleges do not include human cadaver or if taken over 5 years ago.
9. Licensed Practical Nurses must submit a current Illinois Practical Nursing license and an official waiver form for ADN 040, AND 042, ADN 053, and HED 102. Waiver forms can be found on the Lake Land College website. All co-requisite courses must be completed with a "C" or higher.

Transition to ADN is required the semester prior to ADN 076.

See LPN to ADN Application Checklist for details.

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: Cheryl Beam
Faculty Email: cbeam@lakelandcollege.edu
Faculty Phone: 217-234-5452

ASSOCIATE DEGREE NURSE

(AAS.ADN) ASSOCIATE IN APPLIED SCIENCE

The Associate Degree in Nursing (ADN) program is an intensive, two-year academic program that includes classroom, skills laboratory and clinical experience in various healthcare agencies. Upon successful completion of the program, the graduate is 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 (IDFPR) and fully accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Rd NE, Suite 850, Atlanta, GA 30326; Phone: 404-975-5000, Fax: 404-975-5020.

Acceptance

Acceptance is tentative upon completion/receipt of the following:

1. Completed Lake Land College nursing program Physical Examination, proof of immunizations and current CPR certification. (Note: CPR and immunizations must remain current throughout the program).
2. Completed background check.
3. Maintain an overall grade point average of 2.00.

Cost

In addition to tuition and fees, costs for nursing program include: textbooks, uniforms, supplies, physical examination and immunizations, 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.

FIRST YEAR

First Semester		Hours
PSY-279	Human Dev/Life Span	3.0
BIO-225	Human Ana/Phys I *	4.0
ADN-040	Nursing I +	8.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ADN-042	Nursing II * +++	10.0
BIO-226	Human Ana/Phys II *	4.0
HED-102	Nutrition	3.0
ADN-053	Pharmacology I *	2.0
	SEMESTER TOTALS	**19.0**
Summer Term		
BIO-235	Microbiology or	
HED-290	Disease Processes	2.0
	SEMESTER TOTALS	**2.0**

SECOND YEAR

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

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

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

Faculty Contact: Cheryl Beam
Faculty Email: cbeam@lakelandcollege.edu
Faculty Phone: 217-234-5452

ASSOCIATE IN LIBERAL STUDIES

(ALS.LIB) ASSOCIATE IN LIBERAL STUDIES

The Associate in Liberal Studies degree offers a flexible program to students who wish to combine traditional coursework with a variety of learning experiences to pursue their personal and professional goals. This degree has a minimal formal structure to ensure students acquire a basic liberal education. Remaining degree requirements may be satisfied through traditional coursework, independent study, proficiency examinations or life experience credit.

Students will work with the ALS advisor to develop an individualized plan for meeting the requirements of the degree. The student and advisor will determine the applicability of various types of credit-earning options to the student's situation and goals. The advisor will guide the student in selecting traditional coursework and in the process of documenting non-traditional coursework, such as experiential credit, to meet general education and elective requirements. Contact the ALS advisor for additional information.

Degree Requirements

General Education Coursework Hours

- Communications Skills 6
- Mathematics or Science 7
- Social Science 3
- Humanities 3
- Humanities or Social Science 3

GENERAL EDUCATION TOTAL 22

Elective Coursework (may include) 42

- Baccalaureate or career level coursework up to 42
- INS 099 Portfolio Development 2
- Experiential Credit up to 32
- Proficiency Credit up to 32
- Independent Study up to 16

ELECTIVE TOTALS 42

Total Required for Degree 64

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

Faculty Contact: Emily Hartke
Faculty Email: ehartke@lakelandcollege.edu
Faculty Phone: 217-234-5430

AUTO MECHANIC

(CRT.AUTO) CERTIFICATE

This program prepares students with entry-level skills and knowledge necessary for employment in automotive repair maintenance shops as service or parts personnel. The curriculum is designed to prepare students for ASE certification. Instruction is provided by ASE certified instructors, in a shop equipped with modern equipment. Textbooks/lab manuals are approximately $300. A list of recommended tools can be obtained from counselors or auto instructors.

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

FIRST YEAR

First Semester		Hours
ENG-050	Writing for Industry	3.0
TEC-048	Applied Shop Computations	3.0
AUT-048	Intro to Automotive Technology +	2.0
AUT-050	Engine Repair +	5.0
AUT-051	Electrical Systems I +	4.0
	SEMESTER TOTALS	**17.0**
Second Semester		
AUT-052	Engine Performance I +++	5.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Social Science Elective	2.0
HED-178	Responding to Emergencies	2.0
AUT-053	Brake Systems +++	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**33.0**

+ Course only offered fall semester
+++ Course only offered spring semester

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

Faculty Contact: Kevin Miller
Faculty Email: kmiller@lakelandcollege.edu
Faculty Phone: 217-234-5286

AUTOMOTIVE TECHNOLOGY

(AAS.AUTO) ASSOCIATE IN APPLIED SCIENCE

This degree prepares students with entry-level skills and knowledge necessary for employment in automotive repair maintenance shops as service or parts personnel. The curriculum is based on, and follows Automotive Service Excellence (ASE) guidelines and is designed to prepare students for ASE certification. The program covers the vehicle's mechanical, electrical, and electronic systems, including light duty diesel fuel & emissions systems. Instruction is provided by ASE certified instructors in a shop equipped with modern equipment. Textbooks/lab manuals are approximately $500. A list of recommended tools can be obtained from counselors or auto instructors.

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

FIRST YEAR

First Semester		Hours
AUT-048	Intro to Automotive Technology +	2.0
AUT-050	Engine Repair +	5.0
AUT-051	Electrical Systems I +	4.0
ENG-050	Writing for Industry	3.0
TEC-048	Applied Shop Computations	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
AUT-052	Engine Performance I +++	5.0
--- ---	Social Science Elective	2.0
SPE-111	Intro to Speech Communication	3.0
HED-178	Responding to Emergencies	2.0
AUT-053	Brake Systems +++	4.0
	SEMESTER TOTALS	**16.0**
Summer Term		
AUT-054	Heating and Air Conditioning I * ++++	3.0
AUT-075	Supervised Occupational Exp * ++++	3.0
	SEMESTER TOTALS	**6.0**

SECOND YEAR

First Semester		Hours
AUT-059	Electrical Systems II * +	4.0
AUT-080	Steering and Suspension * +	4.0
AUT-081	Engine Performance II * +	5.0
--- ---	Economics Elective	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
AUT-076	Auto Transmissions/Transaxles * +++	5.0
AUT-082	Manual Dr Train and Axles * +++	5.0
AUT-083	Engine Performance III * +++	2.0
AUT-089	ASE Test Review +++	2.0
--- ---	Technical Elective	2.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**71.0**

+ Course only offered fall semester
+++ Course only offered spring semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
++++ Course offered in summer term only

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

Faculty Contact: Kevin Miller
Faculty Email: kmiller@lakelandcollege.edu
Faculty Phone: 217-234-5286

BASIC MANUFACTURING

(NDP.BMAN) NON-DEGREE PROGRAM

This certificate is designed to give students a basic introduction to modern machine tool use which forms the basic of most contemporary manufacturing.

FIRST YEAR

First Semester		Hours
MTT-050	Intro to Machining Procedures	3.0
CIM-060	CNC Machining	3.0
TEC-070	Properties of Metal	2.5
TEC-043	Industrial Safety	1.0
TEC-040	Blueprint Reading/Industry I	2.5
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**12.0**

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

Faculty Contact: Joseph Tillman
Faculty Email: jtillman@lakelandcollege.edu
Faculty Phone: 217-234-5313

BASIC NURSE ASSISTING

(NDP.NA) CERTIFICATE

Non-Degree Program

The Basic Nursing Assistant Program (NPD.NA)is a one semester, 8 credit-hour program approved by the Illinois Department of Public Health (IDPH). This program includes the Basic Nursing Assistant Course (CNA) only and is NOT financial aid eligible.

Background Check

The Health Care Worker Background Check Act requires all students in a Nursing Assistant Training Program to submit to a fingerprint-based background check before working directly with patients or residents.

Examination

Students must successfully complete the Basic Nursing Assistant course (AHE 040) with an 80 or better to be eligible to take the IDPH Competency Evaluation Examination. Upon passing the state competency examination, the student's name will be added to the IDPH Health Care Worker Registry and will be eligible to work as a Certified Nursing Assistant.

Course Description

AHE 040: Basic Nursing Assistant: The Basic Nursing Assistant Program includes 95 hours of theory/classroom and 40 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 nursing lab, 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. Eleven of the twenty-one skills must be performed with a patient or resident during clinical sessions.

The clinical experience provides students with the opportunity to perform supervised practice of required clinical skills, including bathing, feeding, and transfer of residents/patients.

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

The BNA campus phone number is 217-234-5568 and the office is located in Neal Hall, room 023.

FIRST YEAR

First Semester	**Hours**
AHE-040 Basic Nurse Assisting	8.0
SEMESTER TOTALS	**8.0**
TOTAL PROGRAM HOURS	**8.0**

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

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

Faculty Contact: Laura Deters
Faculty Email: ldeters52738@lakelandcollege.edu
Faculty Phone: 217-234-5568

BASIC NURSING ASSISTANT

(NDP.BNA) CERTIFICATE

Certificate

The Basic Nursing Assistant Program (NDP.BNA)is a 16 hour certificate program approved by the Illinois Department of Public Health (IDPH). This program includes the Basic Nursing Assistant course (CNA) and three other core courses. This program is financial aid eligible.

Background Check

The Health Care Worker Background Check Act requires all students in a Nursing Assistant Training Program to submit to a fingerprint-based background check before working directly with patients or residents.

Examination and Certification

Students must successfully complete the Basic Nursing Assistant course (AHE 040) with an 80 or better to be eligible to take the IDPH Competency Evaluation Examination. Upon passing the state competency examination, the student's name will be added to the IDPH Health Care Worker Registry and will be eligible to work as a Certified Nursing Assistant.

Course Description

AHE 040: Basic Nursing Assistant: The Basic Nursing Assistant Program includes 95 hours of theory/classroom and 40 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 nursing lab, 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. Eleven of the twenty-one skills must be performed with a patient or resident during clinical sessions.

The clinical experience provides students with the opportunity to perform supervised practice of required clinical skills, including bathing, feeding, and transfer of residents/patients.

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

The BNA campus phone number is 217-234-5568, and the office is located in Neal Hall, room 023.

Students who complete this program will enhance their knowledge and skills to be more marketable as a certified nursing assistant in all health care settings.

FIRST YEAR

First Semester		Hours
AHE-040	Basic Nurse Assisting	8.0
AHE-041	Medical Terminology	3.0
AHE-045	Professionalism in Health Care	2.0
BUS-059	Medical Insurance and Coding	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**16.0**

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

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

Faculty Contact: Laura Deters
Faculty Email: ldeters52738@lakelandcollege.edu
Faculty Phone: 217-234-5568

BASIC WELDING

(NDP.BWEL) CERTIFICATE

This program provides an introduction to basic welding practices and skills including metal layout and cutting, SMAW, GMAW, and GTAW welding processes. Industrial safety and other skills such as blueprint reading are covered. This certificate is directly applicable to a more advanced welding certificate and a welding associate's degree.

FIRST YEAR

First Semester		Hours
WEL-057	Welding Fundamentals	2.5
TEC-043	Industrial Safety	1.0
TEC-040	Blueprint Reading/Industry I	2.5
TEC-048	Applied Shop Computations	3.0
WEL-056	Metal Cutting and Fabrication	2.0
	SEMESTER TOTALS	**11.0**
	TOTAL PROGRAM HOURS	**11.0**

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

Faculty Contact: John Gentry
Faculty Email: jgentry@lakelandcollege.edu
Faculty Phone: 217-234-5065

BROADCAST ANNOUNCING

(CRT.RTVAN) CERTIFICATE

Students will be prepared for a career as an on-air talent for radio or television 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 Radio/TV Broadcasting.

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

FIRST YEAR

First Semester		**Hours**
RTV-150	Introduction to Broadcasting +	3.0
RTV-155	Radio TV Announcing +	3.0
RTV-072	Fall Sportscasting + or	
RTV-082	Fall Athletic Announcing +	1.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Career Elective	3.0
	SEMESTER TOTALS	**13.0**
Second Semester		
RTV-073	Spring Sportscasting +++ or	
RTV-083	Spring Athletic Announcing +++	2.0
RTV-160	Radio Station Operation +++	5.0
RTV-165	Broadcast Writing +++	4.0
	SEMESTER TOTALS	**11.0**
	TOTAL PROGRAM HOURS	**24.0**

+ Course only offered fall semester
+++ Course only offered spring semester

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

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

BUILDING CONSTRUCTION

(CRT.BCT) CERTIFICATE

The Building Construction Certificate prepares the student for a career in the building construction industry immediately upon graduation. The student will learn basic construction principles and techniques, residential wiring, and blue print reading for residential construction. 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
TEC-050	Technical Math I	2.0
TEC-052	Technical Math II *	2.0
BCT-045	Plans and Specifications	3.0
BCT-054	Basic Carpentry I	4.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**13.0**
Second Semester		
EET-069	Residential Wiring I	3.0
TEC-043	Industrial Safety	1.0
--- ---	Suggested Electives	8.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**25.0**

SUGGESTED ELECTIVES

CET-060	Surveying I	3.0
TEC-045	Introduction to Drafting	2.0
CAD-056	CAD I	2.0
BCT-062	Architectural Drafting II *	4.0
BCT-064	Construction Surveying Layout *	3.0
BCT-078	Architectural S.O.E.	3.0
CET-056	PCC Theory and Design	2.0
BCT-055	Basic Carpentry II	4.0

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

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

Faculty Contact: Neal Haarman
Faculty Email: nhaarman@lakelandcollege.edu
Faculty Phone: 217-234-5421

BUILDING CONSTRUCTION TECHNOLOGY

(AAS.BCT) ASSOCIATE IN APPLIED SCIENCE

The primary objective of the Building Construction Technology program is to prepare the student for a career in the building construction industry immediately upon graduation. This associate degree program is designed to produce versatile building construction technicians capable of working in a variety of positions such as cost estimators, builders, computer drafters, surveyors and manufacturing representatives. With additional experience, these technicians could fill the positions of engineer's representative, construction supervisor, building inspector or self-employed building contractor. Employers interested in such technicians are building contractors, manufacturers, architectural, or engineering firms and testing laboratories.

Students are required to furnish their own basic drafting equipment. The cost of the equipment is approximately $40.

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
TEC-050	Technical Math I	2.0
TEC-052	Technical Math II *	2.0
BCT-045	Plans and Specifications	3.0
TEC-045	Introduction to Drafting	2.0
BCT 054	Basic Carpentry I	4.0
CET-060	Surveying I	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
TEC-054	Technical Math III *	2.0
TEC-056	Technical Math IV *	2.0
CAD-056	CAD I	2.0
EET-069	Residential Wiring I	3.0
BCT-062	Architectural Drafting II	4.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
ENG-050	Writing for Industry *	3.0
BUS-251	Principles of Management	3.0
BCT-064	Construction Surveying Layout *	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Suggested Electives	4.0
	SEMESTER TOTALS	**16.0**

Second Semester		
CET-056	PCC Theory and Design *	2.0
BCT-076	Architectural Design *	4.0
ECO-130	The American Economy or	
--- ---	Social Science Elective	3.0
BCT-089	Construction Estimating	3.0
--- ---	Suggested Elective	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**63.0**

SUGGESTED ELECTIVES

BUS-089	Small Business Management	3.0
CIS-068	Computer Appl-Special Topics	2.0
CAD-057	CAD II *	3.0
CET-054	Soils + Aggregates	4.0
BCT 055	Basic Carpentry II	4.0
BCT-041	Post Frame Construction	2.0
BCT-078	Architectural S.O.E.	2.0
CAD-059	Special Applications of CAD	3.0

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

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

Faculty Contact: Neal Haarman
Faculty Email: nhaarman@lakelandcollege.edu
Faculty Phone: 217-234-5421

BUSINESS DEVELOPMENT

(CRT.BUSDEV) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-142	Introduction to Business	3.0
CIS-160	Practical Software Application	3.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
BUS-141	Business Communications or	
BUS-120	Business Career Development	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
BUS-251	Principles of Management	3.0
BUS-247	Principles of Marketing	3.0
--- ---	Marketing Elective **	3.0
--- ---	Management Elective **	3.0
CIS-099	Introduction to Web Technology or	
--- ---	IT Elective **	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**27.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

SUGGESTED ELECTIVES

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

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

Faculty Contact: John Carpenter
Faculty Email: jcarpent@lakelandcollege.edu
Faculty Phone: 217-234-5347

CHILD AND FAMILY SERVICES

(AAS.CFS) ASSOCIATE IN APPLIED SCIENCE

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 125 must be taken the same semester.

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

FIRST YEAR

First Semester		Hours
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-279	Human Dev/Life Span	3.0
ECE-100	Intro to Early Childhood Educ	3.0
ECE-110	Child Behavior Management	3.0
SPE-111	Intro to Speech Communication	3.0
SOC-280	Introduction to Sociology	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
HSP-120	Introduction to Social Work or	
HSP-101	Dynamics of Domestic Violence	3.0
PSY-274	Child Development	3.0
ENG-121	Composition II	3.0
ART-165	Fundamentals of Art or	
ART-250	Understanding Art or	
MUS-229	Understanding Music	3.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
BIO-100	Bio Science I	4.0
ECE-102	Health/Safety/Nutri/Yng Child	3.0
ECE-095	Creative Activities/Children	4.0
ECE-051	Infant/Toddler Environment	3.0
SOC-290	Sociology of Family	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ECE-087	Organization/Mgt of Preschools	3.0
ECE-083	Instructional Methods	3.0
ECE-120	Field Experience Seminar	1.0
SOC-282	Social Problems	3.0
HED-178	Responding to Emergencies	2.0
ECE-125	Field Experience	2.0
--- ---	Electives ^^	2.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**66.0**

* There are prerequisites, course requisites, 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: Tanille Ulm
Faculty Email: tulm@lakelandcollege.edu
Faculty Phone: 217-234-5488

CIVIL ENGINEERING TECHNOLOGY

(AAS.CET) ASSOCIATE IN APPLIED SCIENCE

This program prepares students with skills necessary for employment as a civil engineering technician with consulting engineering firms, testing laboratories, utilities and local, state and federal government agencies. Emphasis is placed on such tasks as surveying, materials testing, drafting, construction inspection, etc., associated with civil engineering. There is a strong demand for civil technicians; thus, employment opportunities are good. Civil Engineering Technology provides a balance between outdoor and indoor work which many find desirable. Surveying, field testing, construction supervision and testing are essentially outdoor work while drafting, design and laboratory testing are indoor work.

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

FIRST YEAR

First Semester		Hours
TEC-050	Technical Math I (Module 1)	2.0
TEC-052	Technical Math II (Module 2) *	2.0
CET-060	Surveying I (Module 1)	3.0
CET-054	Soils + Aggregates (Module 2) * +	4.0
CET-051	Civil Construction I +	3.0
ENG-050	Writing for Industry	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
TEC-054	Technical Math III *	2.0
TEC-056	Technical Math IV *	2.0
CET-056	PCC Theory and Design (Module 1) * +++	2.0
CET-057	Asphalt Theory and Design (Module 2) * +++	2.0
TEC-045	Introduction to Drafting	2.0
CAD-056	CAD I	2.0
SPE-111	Intro to Speech Communication	3.0
HED-178	Responding to Emergencies or	
SFS-101	Strategies for Success	2.0
	SEMESTER TOTALS	**17.0**

Summer Term		
CET-075	Supervised Occupational Exp (Optional)	5.0
	SEMESTER TOTALS	**5.0**

SECOND YEAR

First Semester		Hours
TEC-060	Analytical Mechanic * +	4.0
CET-062	Surveying II (Module 1) * +	3.0
CIS-068	Computer Appl-Special Topics	2.0
CET-052	Civil Construction II * +	3.0
CET-082	Civil Drafting * +	3.0
--- ---	Social Science Elective	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
TEC-080	Strength/Materials * +++	4.0
CET-087	Hydraulics/Drainage * +++	3.0
CET-064	Surveying III * +++	3.0
CET-081	CAD for Civil Engineering * +++	3.0
CET-065	Data Collection GIS Mapping * +++	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**72.0**

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

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

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5566

CIVIL ENGINEERING TECHNOLOGY - COOP

(AAS.CETCO) ASSOCIATE IN APPLIED SCIENCE

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
TEC-050	Technical Math I (Module 1)	2.0
CET-060	Surveying I (Module 1)	3.0
CET-054	Soils + Aggregates (Module 2) * +	4.0
CET-051	Civil Construction I +	3.0
ENG-050	Writing for Industry	3.0
TEC-052	Technical Math II (Module 2) *	2.0
	SEMESTER TOTALS	**17.0**
Second Semester		
TEC-054	Technical Math III (Module 1) *	2.0
TEC-056	Technical Math IV (Module 2) *	2.0
CET-056	PCC Theory and Design (Module 1) * +++	2.0
CET-057	Asphalt Theory and Design (Module 2) * +++	2.0
TEC-045	Introduction to Drafting	2.0
CAD-056	CAD I	2.0
SPE-111	Intro to Speech Communication	3.0
HED-178	Responding to Emergencies or	
SFS-101	Strategies for Success	2.0
	SEMESTER TOTALS	**17.0**
Summer Term		
CET-076	Supervised Occupational Exp	5.0
	SEMESTER TOTALS	**5.0**

SECOND YEAR

First Semester		Hours
CET-077	Supervised Occupational Exp *	6.0
	SEMESTER TOTALS	**6.0**
Second Semester		
CET-078	Supervised Occupational Exp *	6.0
	SEMESTER TOTALS	**6.0**
Summer Term		
CET-079	Supervised Occupational Exp *	3.0
	SEMESTER TOTALS	**3.0**

THIRD YEAR

First Semester		Hours
TEC-060	Analytical Mechanic * +	4.0
CET-062	Surveying II (Module 1) * +	3.0
CIS-068	Computer Appl-Special Topics	2.0
CET-052	Civil Construction II * +	3.0
CET-082	Civil Drafting * +	3.0
	Social Science Elective	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
TEC-080	Strength/Materials * +++	4.0
CET-087	Hydraulics/Drainage * +++	3.0
CET-064	Surveying III * +++	3.0
CET-081	CAD for Civil Engineering * +++	3.0
CET-065	Data Collection GIS Mapping * +++	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**87.0**

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

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

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5566

CET/ADVANCED TECHNICAL STUDIES

(AAS.CETAT) ASSOCIATE IN APPLIED SCIENCE

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
MAT-130	College Algebra *	3.0
CET-060	Surveying I	3.0
CET-054	Soils + Aggregates +	4.0
CET-051	Civil Construction I +	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
MAT-210	Finite Mathematics *	3.0
CET-056	PCC Theory and Design * +++	2.0
CET-057	Asphalt Theory and Design * +++	2.0
TEC-045	Introduction to Drafting	2.0
SPE-111	Intro to Speech Communication	3.0
CAD-056	CAD I	2.0
HED-178	Responding to Emergencies or	
SFS-101	Strategies for Success	2.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
PHY-130	College Physics I * +	4.0
CET-062	Surveying II * +	3.0
CIS-160	Practical Software Application	3.0
CET-052	Civil Construction II * +	3.0
CET-082	Civil Drafting * +	3.0
MAT-132	Trigonometry *	3.0
	SEMESTER TOTALS	**19.0**

Second Semester		
PHY-131	College Physics II * +++	4.0
CET-087	Hydraulics/Drainage * +++	3.0
CET-064	Surveying III * +++	3.0
CET-081	CAD for Civil Engineering * +++	3.0
--- ---	Social Science Electives ++ ^^	6.0
	SEMESTER TOTALS	**19.0**
	TOTAL PROGRAM HOURS	**70.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
++ Course only offered spring and summer semester
^^ Consult Academic Advisor for appropriate course

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

Faculty Contact: Joshua Fulk
Faculty Email: jfulk@lakelandcollege.edu
Faculty Phone: 217-234-5566

CNC OPERATOR

(NDP.CNCO) CERTIFICATE

The CNC (Computer Numerical Control) Operator certificate program is designed to provide students with the skills necessary to gain entry level employment in the metal working or wood working industry. Students learn: blueprint reading, shop mathematics, machine tool theory, inspection and quality control, and CNC operations using state of the art equipment. Career opportunities include entry-level CNC operator. Upon completion, students also receive industry recognized certificates in Fanuc CNC Mill and Turn Programming and OSHA 10 hour Safety.

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

FIRST YEAR

First Semester		Hours
TEC-040	Blueprint Reading/Industry I	2.5
TEC-043	Industrial Safety	1.0
TEC-050	Technical Math I	2.0
TEC-070	Properties of Metal	2.5
WEL-056	Metal Cutting and Fabrication	2.0
MTT-050	Intro to Machining Procedures (Module 1)	3.0
CIM-060	CNC Machining *	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**16.0**

* There are prerequisites, course requisites, 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

CNC PROGRAMMER

(NDP.CNCP) CERTIFICATE

The CNC (Computer Numerical Control) Programmer certificate program is designed to provide students with the skills necessary to gain entry level employment in the metal working or wood working industry. It is recommended that students complete the CNC Operator certificate before enrolling in the CNC programmer certificate program. Students learn: blueprint reading, Computer Aided Drafting, shop mathematics, machine tool theory, inspection, quality control and CNC programming using state of the art equipment. Career opportunities may include entry-level CNC programmer or operator. Upon completion, students also receive industry recognized certificates in Fanuc CNC Mill and Turn Programming and OSHA 10 hour Safety.

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
CAD-056	CAD I	2.0
CIM-044	Industrial Robotics	2.0
CIM-092	Computer-Aided Manufacturing	3.0
CIM-060	CNC Machining *	3.0
CIM-075	Supervised Occupational Experi *	3.0
TEC-052	Technical Math II *	2.0
--- ---	Technical Electives	2.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**17.0**

SUGGESTED ELECTIVES

WEL-056	Metal Cutting and Fabrication *	2.0
SPE-111	Intro to Speech Communication	3.0
CAD-062	Introduction to Solidworks	2.0
HED-178	Responding to Emergencies	2.0

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

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

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Faculty Phone: 217-234-5316

COMMERCIAL TRUCK DRIVER TRAINING

(NDP.CTDT) NON-DEGREE PROGRAM

Designed for individuals with little or no commercial driving experience, this program includes everything a student needs to obtain an entry level driving position in the trucking 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 several job offers prior to completion of their training.

Training is conducted at the Lake Land College Workforce Development Center, 305 Richmond Ave. East, Mattoon, Illinois. For more information about the program, job opportunities and payment options, contact the program coordinator at 1-800-789-1282 or visit the website.

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

FIRST YEAR

First Semester		Hours
CDL-040	Commercial Truck Driver Trning	7.0
	SEMESTER TOTALS	**7.0**
	TOTAL PROGRAM HOURS	**7.0**

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

Faculty Contact: Justin Onigkeit
Faculty Email: jonigkeit@lakelandcollege.edu
Faculty Phone: 217-238-8239

COMPUTER AIDED DESIGN TECHNOLOGY

(AAS.CAD) ASSOCIATE IN APPLIED SCIENCE

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.

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
TEC-050	Technical Math I (Module 1)	2.0
TEC-052	Technical Math II (Module 2) *	2.0
TEC-103	Engineering Graphics	3.0
CAD-056	CAD I	2.0
CIS-160	Practical Software Application	3.0
ENG-098	Communications I	3.0
--- ---	Social Science Elective	2.0
	SEMESTER TOTALS	**17.0**

Second Semester		
TEC-054	Technical Math III *	2.0
TEC-056	Technical Math IV *	2.0
CAD-057	CAD II *	3.0
CAD-059	Special Applications of CAD * +++	3.0
CIM-060	CNC Machining * +++	3.0
--- ---	Design/Drafting Elective	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
CAD-058	CAD Drafting Systems * +	2.0
CIM-092	Computer-Aided Manufacturing * +	3.0
CAD-060	3D Solid Modeling * +	3.0
TEC-060	Analytical Mechanic * +	4.0
HED-178	Responding to Emergencies	2.0
--- ---	Design/Drafting Elective	2.0
	SEMESTER TOTALS	**16.0**

Second Semester		
TEC-080	Strength/Materials * +++	4.0
CAD-062	Introduction to Solidworks	2.0
MET-084	Technical Mechanisms * +++	3.0
CAD-061	3D Parametric Design * +++	3.0
--- ----	Social Science Elective	3.0
--- ---	Design/Drafting Elective	2.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**66.0**

SUGGESTED ELECTIVES

BCT-062	Architectural Drafting II * +++	4.0
BCT-076	Architectural Design * +++	4.0
CET-081	CAD for Civil Engineering * +++	3.0
CET-082	Civil Drafting +	3.0
CIS-092	Adobe Illustrator	3.0
EET-056	Electronic Design/Fabrication	3.0
MTT-050	Intro to Machining Procedures	3.0
CIM-094	Computer Integrated Manf * +++	3.0
CIM-044	Industrial Robotics	2.0
CAD-075	Supervised Occupational Exp	3.0
TEC-043	Industrial Safety	1.0

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

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

Faculty Contact: Leo Kitten
Faculty Email: lkitten@lakelandcollege.edu
Faculty Phone: 217-234-5316

COMPUTER-AIDED DRAFTING

(CRT.CAD) CERTIFICATE

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.

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

FIRST YEAR

First Semester		Hours
CAD-056	CAD I (Module 1)	2.0
CAD-058	CAD Drafting Systems (Module 2) * +	2.0
TEC-050	Technical Math I	2.0
TEC-052	Technical Math II *	2.0
ENG-098	Communications I	3.0
TEC-103	Engineering Graphics	3.0
CAD-060	3D Solid Modeling	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
CAD-057	CAD II *	3.0
CAD-059	Special Applications of CAD * +++	3.0
CIS-160	Practical Software Application	3.0
CAD-062	Introduction to Solidworks	2.0
	Suggested Elective	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**31.0**

SUGGESTED ELECTIVES

CIM-094	Computer Integrated Manf	3.0
CAD-061	3D Parametric Design	3.0
CIM-060	CNC Machining	3.0
CIM-092	Computer-Aided Manufacturing	3.0
BCT-045	Plans and Specifications	3.0

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

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

Faculty Contact: Leo Kitten
Faculty Email: lkitten@lakelandcollege.edu
Faculty Phone: 217-234-5316

COMPUTER APPLICATIONS SPECIALIST

(NDP.CMPAP) CERTIFICATE

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
CIS-160	Practical Software Applications	3.0
CIS-156	Computer Logic	3.0
CIS or ITT	Electives **	12.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

** Electives must be approved by the Program Coordinator

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

Faculty Contact: Angela Davison
Faculty Email: adavison@lakelandcollege.edu
Faculty Phone: 217-234-5414

COMPUTER SYSTEMS

(NDP.CT) CERTIFICATE

This program is designed for students who already have a background in computer technology and wish to sharpen their computer tech skills while working to obtain the CompTIA A+, or test out certification.

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

FIRST YEAR

First Semester		Hours
TEL-051	Networking Basics *	3.0
EET-076	Digital Logic *	3.0
EET-081	Physical Computing W/ Rasp Pi	3.0
EET-077	PC Pro	4.0
EET-066	Network Pro *	4.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**17.0**

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

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

Faculty Contact: Gary Lindley
Faculty Email: glindley@lakelandcollege.edu
Faculty Phone: 217-234-5246

COMPUTER TECHNICIAN

(CRT.COMTC) CERTIFICATE

The Computer Technician program prepares the student for entry into the broad field of computer repair and maintenance in a variety of areas such as personal computers, telecommunications, industrial and computer network systems. The program also prepares the student for A+ certification testing, test out certification, and standards of excellence set by the computer industry.

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

FIRST YEAR

First Semester		Hours
EET-056	Electronic Design/Fabrication	3.0
EET-060	Computer Hardware	3.0
EET-081	Physical Computing W/ Rasp Pi	3.0
TEC-048	Applied Shop Computations	3.0
TEL-051	Networking Basics +	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
CIS-079	Client Operating System *	3.0
EET-066	Network Pro *	4.0
ENG-050	Writing for Industry	3.0
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits **	2.5
	SEMESTER TOTALS	**15.0**
Summer Term		
EET-077	PC Pro * or	
EET-053	A+ Technician Preparation and	
EET-064	A+ Computer Essentials	4.0
	SEMESTER TOTALS	**4.0**
	TOTAL PROGRAM HOURS	**34.0**

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

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

Faculty Contact: Gary Lindley
Faculty Email: glindley@lakelandcollege.edu
Faculty Phone: 217-234-5246

COSMETOLOGY - TRACK

(CRT.COS.TRK) ASSOCIATE IN LIBERAL STUDIES

The Cosmetology Certificate Track prepares the student for acceptance into the Cosmetology program. Applicants are instructed to begin their cosmetology application with the CRT.COS.TRK major code. Students are counseled on admission requirements into the Cosmetology program. Once accepted into the Cosmetology program, the major code will be changed to CRT.COS.

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

Faculty Contact: Peggy Strange
Faculty Email: pstrange@lakelandcollege.edu
Faculty Phone: 217-234-5343

COSMETOLOGY

(CRT.COS) CERTIFICATE

The Cosmetology program meets the Illinois Department of Professional Regulation standard requirements pertaining to faculty qualifications, equipment, facilities, course content and contact hours. Entrance into the program is granted fall and spring semesters following a screening process. A total of 1,500 consecutive hours is required for completion of the program. In addition to tuition and service fees, cosmetology students will purchase a uniform, manikins, cosmetology kit, and workbooks. Students will have the opportunity to attend off campus cosmetology seminars. To secure an Illinois cosmetology license, each student is required to take a computerized Illinois state board examination upon completion of the curriculum. See career track program Cosmetology Track when selecting a major. Contact the Director of Cosmetology at 217-234-5343 for more information regarding the screening process.

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

FIRST YEAR

First Semester		**Hours**
SOS-050	Human Relations	2.0
COS-050	Cosmetology I	6.0
COS-052	Cosmetology II *	6.0
SPE-200	Interpersonal Communication	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
COS-054	Cosmetology III *	6.0
COS-056	Cosmetology IV *	7.0
COS-061	Computer Appl for Cosmetology	3.0
	SEMESTER TOTALS	**16.0**
Third Semester		
COS-060	Salon Management	3.0
COS-058	Cosmetology V *	7.0
	SEMESTER TOTALS	**10.0**
	TOTAL PROGRAM HOURS	**43.0**

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

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

Faculty Contact: Peggy Strange
Faculty Email: pstrange@lakelandcollege.edu
Faculty Phone: 217-234-5343

COSMETOLOGY TEACHER

(CRT.COSTR) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
COS-076	Cosmetology Teacher I +++	6.0
ENG-095	Business English or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Cosmetology Teacher Elective	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
COS-077	Cosmetology Teacher II * ++++	6.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**9.0**
Third Semester		
COS-078	Cosmetology Teacher III * +	5.0
--- ---	Cosmetology Teacher Elective	3.0
	SEMESTER TOTALS	**8.0**
	TOTAL PROGRAM HOURS	**29.0**

+++ Course only offered spring semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
++++ Course offered in summer term only
+ Course only offered fall semester
^^^ 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: Peggy Strange
Faculty Email: pstrange@lakelandcollege.edu
Faculty Phone: 217-234-5343

SUGGESTED ELECTIVES

BUS-141	Business Communications	3.0
BUS-251	Principles of Management	3.0
EDU-100	Introduction to Education ^^^	3.0

CRIMINAL JUSTICE LEADERSHIP

(NDP.CJL) CERTIFICATE

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
CJS-092	Police Management &Supervision	3.0
CJS-150	Intro/Criminal Just	3.0
SPE-200	Interpersonal Communication	3.0
BUS-251	Principles of Management	3.0
BUS-285	Labor Relations	3.0
BUS-290	Human Resource Management	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

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

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5328

CROP PRODUCTION

(CRT.CROP) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-052	Principles of Crop Production + or	
AGR-204	Prin/Field Crop Science +++	3.0
AGR-060	Animal Husbandry + or	
AGR-206	Intro/Animal Science	3.0
AGR-050	Soils + or	
AGR-205	Intro/Soil Science	3.5
AGR-122	Farm Management +	2.5
	SEMESTER TOTALS	**14.5**
Second Semester		
AGR-049	OSHA/Ag Mach Safety +++	1.0
AGR-111	Intro to Agriculture Software +++	2.0
AGR-123	Marketing of Ag Products +++	2.5
AGR-051	Soil Fertility +++	2.5
AGR-121	Farm Business Records +++	2.5
AGR-041	Supervised Occupational Exp I +++	3.5
AGR-152	Intensive Crop Scouting +++	3.0
--- ---	Elective	1.0
	SEMESTER TOTALS	**18.0**
Summer Term		
AGR-120	Agriculture Economics ++++ or	
AGR-207	Intro/Ag Economics	3.0
AGR-053	Integrated Pest Management ++++	3.0
	SEMESTER TOTALS	**6.0**
	TOTAL PROGRAM HOURS	**38.5**

SUGGESTED ELECTIVES

AGR-124	Farm Credit and Finance ** +++	2.0
AGR-086	Adjusting New and Used Mach ** ++++	2.5
AGR-090	Principles of Agri Mechanics ** +	2.5
AGR-042	Supervised Ocupational Exp II ** ++++	2.5
AGR-151	GPS/Applications in Ag ** +++	3.0

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only
** Electives must be approved by the Program Coordinator

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

Faculty Contact: Mark Niemerg
Faculty Email: mniemerg@lakelandcollege.edu
Faculty Phone: 217-234-5327

DENTAL HYGIENE - TRACK

(AAS.DH.TRK) ASSOCIATE IN LIBERAL STUDIES

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: Kristen Holsapple
Faculty Email: kholsapple4086@lakelandcollege.edu
Faculty Phone: 217-234-5204

DENTAL HYGIENE

(AAS.DH) ASSOCIATE IN APPLIED SCIENCE

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 healthcare agencies. The student may apply to take the Central Regional Dental Testing Service (CRDTS) clinical examination and National Board Dental Hygiene Examination (NBDHE) for Registered Dental Hygienist (RDH) in their final spring semester once approved by the Director of Dental Hygiene. Upon successful completion of these exams, the graduate may apply for the RDH 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 RDH licensure. The 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 on patient treatment such as removal of calculus, stain and deposits from the teeth, prevention of oral disease, and on the hygienist's role as a dental health educator. The hygienist's services are sought by dentists, schools, prisons, hospitals, departments of health, and industry. 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 file in the department by January 31, or the preceding business day if January 31 falls on the weekend. Applicants will be informed in writing mid-March on the status of their candidacy. A student information packet may be obtained from the Dental Hygiene office or online. Students are selected using an objective formula approved by the Dental Hygiene department. This formula includes achievement in prerequisite and co-requisite courses, number of completed credit hours; test scores; dental assisting experience; and grade point average.

Admission Process

1. Have satisfactorily graduated from a recognized high school with a grade average of "C" or better, or have a GED.
2. High school students who successfully complete Partnership for College and Career Success curriculum should consult with the Director of Dental Hygiene regarding enrollment requirements and procedures.
3. Have successfully completed college level Anatomy & Physiology I, Microbiology and Chemistry with a "C" or better within the last five years. Concepts of Chemistry (CHM 111), Anatomy & Physiology I (BIO 225) and Microbiology (BIO 235) are recommended at Lake Land College.
4. Have completed tests and had scores sent to Lake Land College.
5. Have completed college Intent to Enroll and have high school and college transcripts sent to Lake Land College Admissions & Records.
6. Have completed Lake Land College placement test.
7. Have completed Dental Hygiene Intent packet sent to the Dental Hygiene Office.
8. 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.
9. All courses required for the Dental Hygiene program must be completed with a "C" or better and completed within the last seven years.

Acceptance Criteria

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, submit a passport photo.
4. After acceptance, Hepatitis B immunizations are strongly recommended for all entering students.
5. After acceptance, the student must achieve grades of "C" or better in all courses to remain enrolled.
6. After acceptance, the student must submit to a background check (approximate cost $55.00) per program policy.
7. After acceptance, the student must submit to drug testing in accordance with the Dental Hygiene Program drug policy throughout tenure in the program.
8. The Anatomy and Physiology I & II course curriculum must include the study of a cadaver including head and neck anatomy. A 2-credit cadaver course (ADN 061) is offered should A&P courses taken at other colleges not include human cadaver.
9. A complete listing of Dental Hygiene Essential Functions can be found in the Dental Hygiene policy manual and application 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.

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

ADDITIONAL INFORMATION ON NEXT PAGE

DENTAL HYGIENE

(AAS.DH) ASSOCIATE IN APPLIED SCIENCE

FIRST YEAR

First Semester		Hours
BIO-226	Human Ana/Phys II *	4.0
DHY-066	Dental Histology & Embryology +	2.0
DHY-067	Dental Anatomy +	2.0
DHY-068	Dental Hygiene I +	3.0
DHY-069	Pre-Clinic Hyg I +	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
DHY-045	Radiology +++	4.0
DHY-071	Dental Hygiene II * +++	3.0
DHY-072	Preclinical Hygiene II * +++	2.5
DHY-080	Pathology +++	3.0
	SEMESTER TOTALS	**12.5**
Summer Term		
DHY-081	Periodontology	3.0
DHY-082	Dietary Analysis DH/Seminar I	1.5
DHY-083	Clinic I *	3.0
	SEMESTER TOTALS	**7.5**

SECOND YEAR

First Semester		Hours
PSY-271	Intr/Psychology	3.0
DHY-084	Dental Hygiene Seminar II +	1.0
DHY-087	Special Needs +	2.0
DHY-088	Clinic II +	4.0
DHY-089	Lab Proced/Dent Hyg +	3.0
DHY-091	Pain Management Dental Hygiene +	2.0
DHY-096	Community Dental Health +	1.5
	SEMESTER TOTALS	**16.5**
Second Semester		
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SOC-280	Introduction to Sociology	3.0
SPE-111	Intro to Speech Communication	3.0
DHY-086	Pharmacology +++	2.0
DHY-092	Dent Public Health +++	1.0
DHY-093	Ethics and Jurisprudence +++	3.0
DHY-094	Clinic III * +++	4.0
DHY-095	Seminar III +++	1.0
	SEMESTER TOTALS	**20.0**
	TOTAL PROGRAM HOURS	**70.5**

SUGGESTED ELECTIVES

DHY-041	Dental Terminology +	0.5
DHY-043	Dental Hygiene Board Review +++	0.5

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

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

Faculty Contact: Kristen Holsapple
Faculty Email: kholsapple4086@lakelandcollege.edu
Faculty Phone: 217-234-5204

DESKTOP PUBLISHING

(CRT.DPGD) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CIS-088	Adobe Photoshop +	3.0
CIS-092	Adobe Illustrator +	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-160	Practical Software Applications	3.0
--- ---	BUS, CIS or ITT Elective * **	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
CIS-090	Adobe InDesign +++	3.0
CIS-051	Designing for the Web * +++	3.0
ITT-053	Digital Media Arts * +++	3.0
--- ---	BUS, CIS or ITT Elective * **	6.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**30.0**

+ Course only offered fall semester
+++ Course only offered spring semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

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

Faculty Contact: Marcy Satterwhite
Faculty Email: msatterw@lakelandcollege.edu
Faculty Phone: 217-234-5359

SUGGESTED ELECTIVES

CIS-056	Advanced Software Applications *	3.0
BUS-247	Principles of Marketing	3.0
BUS-094	Business Math	3.0
BUS-142	Introduction to Business	3.0
CIS-058	Spec Software Applications * +	3.0
BUS-141	Business Communications	3.0
CIS-156	Computer Logic	3.0
CIS-049	Content Management Systems +	2.0

DIESEL & AG POWER TECHNOLOGY

(AAS.AGPWR) ASSOCIATE IN APPLIED SCIENCE

Agriculture Power Technology is designed to give students skills in diesel machines, general overhaul, transmissions, electrical systems and the other skills required to operate as a technician. The program is also designed to develop students' skills in sales, parts and supplies in machinery dealerships. Students must purchase hand tools necessary for use in this 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
HED-178	Responding to Emergencies	2.0
AGR-091	Hydraulics +	3.0
AGR-080	Ignition & Electrical Systems +	3.5
AGR-083	Small Engines +	3.0
AGR-046	Introduction to Ag Occupations +	1.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I * or	
ENG-098	Communications I +	3.0
TEC-048	Applied Shop Computations	
MAT-115	General Education Pathway or	
MAT-116	General Education Math *	3.0
	SEMESTER TOTALS	**18.5**
Second Semester		
AGR-092	Advanced Hydraulics * +++	3.0
AGR-041	Supervised Occupational Exp I +++	3.5
AGR-097	Planting and Tillage Equipment +++	3.0
AGR-111	Intro to Agriculture Software +++ ^^	2.0
SPE-111	Intro to Speech Communication or	
ENG-121	Composition II * or	
ENG-099	Communications II *	2.0
	SEMESTER TOTALS	**13.5**
Summer Term		
AGR-042	Supervised Ocupational Exp II ++	2.5
AGR-094	Ag Machinery Air Conditioning ++	3.0
AGR-086	Adjusting New and Used Mach ++	2.5
	SEMESTER TOTALS	**8.0**

SECOND YEAR

First Semester		Hours
AGR-043	Supv Occup Exp III +	3.0
AGR-087	Diesel Fuel Systems * +	3.0
AGR-088	Ag Trans & Power Trains * +	3.5
--- ---	Elective	1.0
SOS-050	Human Relations or	
PSY-271	Intr/Psychology	2.0
	SEMESTER TOTALS	**12.5**
Second Semester		
AGR-089	Tractor Overhaul * +++	6.0
AGR-044	Supv Occup Exp IV +++ ^^	3.5
AGR-082	Advanced Electrical Systems * +++	3.0
POS-160	American National Government	3.0
	SEMESTER TOTALS	**15.5**
	TOTAL PROGRAM HOURS	**68.0**

SUGGESTED ELECTIVES

AGR-131	Agriculture Business Financing +	2.0
AGR-133	Agriculture Salesmanship +++	2.5
WEL-057	Welding Fundamentals	2.5

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++ Course only offered spring and summer semester
^^ Consult Academic Advisor for appropriate course

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

Faculty Contact: Anthony Reinhart
Faculty Email: areinhart69182@lakelandcollege.edu
Faculty Phone: 217-234-5307

DIESEL & AG POWER TECHNOLOGY

(CRT.AGPWR) CERTIFICATE

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
AGR-091	Hydraulics +	3.0
AGR-080	Ignition & Electrical Systems +	3.5
AGR-087	Diesel Fuel Systems * +	3.0
AGR-088	Ag Trans & Power Trains * +	3.5
TEC-048	Applied Shop Computations	3.0
AGR-083	Small Engines +	3.0
	SEMESTER TOTALS	**19.0**
Second Semester		
AGR-097	Planting and Tillage Equipment +++	3.0
AGR-082	Advanced Electrical Systems * +++	3.0
AGR-092	Advanced Hydraulics * +++	3.0
AGR-041	Supervised Occupational Exp I +++	3.5
AGR-089	Tractor Overhaul +++	6.0
	SEMESTER TOTALS	**18.5**
Summer Term		
AGR-094	Ag Machinery Air Conditioning ++++	3.0
AGR-086	Adjusting New and Used Mach ++++	2.5
	SEMESTER TOTALS	**5.5**
	TOTAL PROGRAM HOURS	**43.0**

\+ Course only offered fall semester
***** There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only

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Email: counsel@lakelandcollege.edu

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Faculty Email: areinhart69182@lakelandcollege.edu
Faculty Phone: 217-234-5307

EARLY CHILDHOOD CARE AND EDUCATION

(AAS.ECE) ASSOCIATE IN APPLIED SCIENCE

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
ENG-098	Communications I or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ECE-100	Intro to Early Childhood Educ	3.0
ECE-110	Child Behavior Management	3.0
BIO-120	Natural Science or	
BIO-100	Bio Science I	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ECE-081	Early Childhood Clinical	1.0
ART-165	Fundamentals of Art or	
ART-250	Understanding Art or	
MUS-229	Understanding Music	3.0
EDU-190	Introduction/Special Education	3.0
PSY-271	Intr/Psychology	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Elective	2.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
ECE-095	Creative Activities/Children	4.0
ECE-051	Infant/Toddler Environment	3.0
SOC-280	Introduction to Sociology	3.0
PSY-274	Child Development	3.0
ECE-102	Health/Safety/Nutri/Yng Child	3.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**18.0**

Second Semester		
ECE-083	Instructional Methods	3.0
ECE-087	Organization/Mgt of Preschools	3.0
PED-172	Bsc Act Elem/Sec Child	2.0
ECE-120	Field Experience Seminar (Module 2) *	1.0
EDU-103	Teaching/Learning W/Technology	3.0
ECE-125	Field Experience *	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**64.0**

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

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

ELECTRONIC CONTROL TECHNICIAN

(CRT.ECT) CERTIFICATE

The Electronic Communication Certificate will provide training in cabling and fiber optics, analog and digital electronics, computers, data communication with basic routing skills. The student will receive hands-on training on wide range of electronic equipment.

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

FIRST YEAR

First Semester		**Hours**
EET-072	Industrial Control I *	2.0
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
TEC-050	Technical Math I	2.0
TEC-052	Technical Math II *	2.0
EET-056	Electronic Design/Fabrication	3.0
EET-086	Prog Logic Controllers I * +	2.0
TEC---	Technical Elective	2.0
	SEMESTER TOTALS	**18.0**
Second Semester		
EET-052	Solid State Devices *	4.0
EET-075	HMI-Human Machine Interface *	2.0
EET-087	Prog Logic Controllers II *	2.0
CAD-056	CAD I	2.0
ENG-050	Writing for Industry	3.0
EET-066	Network Pro	4.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**35.0**

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

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Email: counsel@lakelandcollege.edu

Faculty Contact: Gary Lindley
Faculty Email: glindley@lakelandcollege.edu
Faculty Phone: 217-234-5246

ELECTRONIC MARKETING

(CRT.EMKT) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CIS-099	Introduction to Web Technology	3.0
BUS-142	Introduction to Business	3.0
CIS-160	Practical Software Application	3.0
BUS-247	Principles of Marketing	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
BUS-090	Prin of Retailing ++++	3.0
BUS-091	Prin of Advertising ++++	3.0
BUS-134	Principles of E-Marketing	3.0
ITT-071	Web Scripting I *	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**24.0**

++++ Course offered in summer term only
* There are prerequisites, course requisites, or minimum placement test scores for this course.

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

Faculty Contact: John Carpenter
Faculty Email: jcarpent@lakelandcollege.edu
Faculty Phone: 217-234-5347

ELECTRONICS ENGINEERING TECHNOLOGY

(AAS.EET) ASSOCIATE IN APPLIED SCIENCE

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
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
CAD-056	CAD I (Module 1)	2.0
EET-056	Electronic Design/Fabrication +	3.0
MAT-130	College Algebra *	3.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**18.0**

Second Semester		
EET-076	Digital Logic * +++	3.0
EET-052	Solid State Devices * +++	4.0
ENG-121	Composition II *	3.0
--- ---	Social Science Elective	2.0
--- ---	Technical Elective	3.0
MAT-132	Trigonometry *	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
EET-078	Linear Electronics * +	3.0
EET-072	Industrial Control I (Module 1) * +	2.0
EET-086	Prog Logic Controllers I *Module 2) * +	2.0
PHY-130	College Physics I * +	4.0
EET-081	Microcontroller Applications * +	3.0
EET-048	Digital Circuits +	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
EET-080	R.F. Communications * +++	3.0
EET-085	Electronic Projects *	2.0
PHY-131	College Physics II * +++	4.0
PLC-040	Fund of Instrumentation ++	3.0
--- ---	Social Science Elective	3.0
--- ---	Technical Elective	2.5
	SEMESTER TOTALS	**17.5**
	TOTAL PROGRAM HOURS	**70.5**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
++ Course only offered spring and summer semester

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

The certificate in Emergency Medical Services includes classroom, skills laboratory, hospital, and field clinical experiences. The student is awarded a certificate upon successful completion of the program and will be eligible to take the National Registry of Emergency Medical Technician's examination.

Completion of the certificate in Emergency Medical Services does not guarantee licensure. There are some specific conditions for which the Department of Public Health may refuse licensure. Please consult with the Emergency Services Director to avoid license application hindrances.

This program is conducted in cooperation with Sarah Bush Lincoln Health Center and is approved by the Illinois Department of Public Health and Highway Safety. Students must complete a file with the Lake Land College Emergency Services office with the following items: current AHA BLS CPR for Healthcare Provider certification card, current driver's license or Illinois state picture ID, immunizations as required by The Illinois Department of Public Health for Healthcare Providers, high school diploma or GED equivalent, physical exam, background check, and drug test.

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, clinical settings.

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

FIRST YEAR

First Semester		Hours
EMS-050	Emergency Medical Tech-Basic	7.5
	SEMESTER TOTALS	**7.5**
	TOTAL PROGRAM HOURS	**7.5**

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Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

ENTREPRENEURSHIP

(NDP.ENTRE) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-251	Principles of Management or	
BUS-290	Human Resource Management *	3.0
BUS-089	Small Business Management	3.0
BUS-090	Prin of Retailing ++++	3.0
BUS-200	Legal Environ/Business	3.0
BUS-095	Fundamentals of Accounting or	
BUS-096	Federal Tax Accounting	3.0
BUS-247	Principles of Marketing	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
++++ Course offered in summer term only

Call Counseling Services: 217-234-5232
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Faculty Contact: John Carpenter
Faculty Email: jcarpent@lakelandcollege.edu
Faculty Phone: 217-234-5347

ESTHETICS-TRACK

(CRT.ESTH.TRK) ASSOCIATE IN LIBERAL STUDIES

The Esthetics Certificate Track prepares the student for acceptance into the Esthetics program. Applicants are instructed to complete an Intent to Enroll with the CRT.ESTH.TRK major code. Students are counseled on admission requirements into the Esthetics program. Once accepted into the Esthetics program, the major code will be changed to CRT.ESTH.

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

Faculty Contact: Peggy Strange
Faculty Email: pstrange@lakelandcollege.edu
Faculty Phone: 217-234-5343

ESTHETICS

(CRT.ESTH) CERTIFICATE

The Esthetics program meets the Illinois Department of Professional Regulation standard requirements pertaining to faculty qualifications, equipment, facilities, course content and contact hours. Entrance into the Esthetics program is fall semester only following a screening process. 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.

FIRST YEAR

First Semester		**Hours**
COS-061	Computer Appl for Cosmetology	3.0
EST-041	Esthetics I +	6.5
EST-042	Esthetics II * +	6.5
	SEMESTER TOTALS	**16.0**
Second Semester		
EST-043	Esthetics III * +++	6.0
EST-044	Esthetics IV * +++	6.0
COS-060	Salon Management	3.0
	SEMESTER TOTALS	**15.0**
Summer Term		
EST-045	Esthetics V * ++++	6.0
	SEMESTER TOTALS	**6.0**
	TOTAL PROGRAM HOURS	**37.0**

\+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only

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

Faculty Contact: Peggy Strange
Faculty Email: pstrange@lakelandcollege.edu
Faculty Phone: 217-234-5343

GEOSPATIAL TECHNOLOGY

(NDP.GIS) CERTIFICATE

The Geospatial certificate program will provide students with the knowledge and practical skills necessary to develop and manage Geographic Information projects and to interpret and implement GIS as a decision support system. This certificate will enable students 1) to develop substantial theoretical and practical competencies relating to GIS; 2) develop foundational understanding and skills in the use of industry standard software; and 3) be able to demonstrate to employers the ability to perform GIS tasks at the technician level.

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

FIRST YEAR

First Semester		Hours
CET-065	Data Collection GIS Mapping * +++	2.0
ESC-106	Intro Geographic Info Systems ^^	4.0
GEO-140	World Geography	3.0
	SEMESTER TOTALS	**9.0**
Second Semester		
GIS-091	Advanced GIS +++ or	
ESC-114	Advanced Vector GIS	3.0
CIS ---	Information Technology Elective ^^	2.0
	SEMESTER TOTALS	**5.0**
Summer Term		
GIS-095	Geospatial Tech Internship ** ++++	3.0
	SEMESTER TOTALS	**3.0**
	TOTAL PROGRAM HOURS	**17.0**

SUGGESTED ELECTIVES

CAD ---	Computer Aided Drafting Elective	1.0
CIS-052	Visual Basic * +	4.0
CIS-095	Database Management *	3.0
CIS-156	Computer Logic *	3.0
CIS-160	Practical Software Application	3.0

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
^^ Consult Academic Advisor for appropriate course
** Electives must be approved by the Program Coordinator
++++ Course offered in summer term only
+ 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

GRAPHIC DESIGN

(AAS.DPGD) ASSOCIATE IN APPLIED SCIENCE

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
CIS-088	Adobe Photoshop +	3.0
CIS-092	Adobe Illustrator +	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-160	Practical Software Applications	3.0
SFS-101	Strategies for Success	2.0
BUS-094	Business Math	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
CIS-090	Adobe InDesign +++	3.0
ITT-053	Digital Media Arts * +++	3.0
CIS-051	Designing for the Web * +++	3.0
BUS-114	Advanced Formatting *	3.0
ART-250	Understanding Art or	
ART-110	2-D Design	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
CIS-098	Advanced Desktop Skills * +	3.0
CIS-056	Advanced Software Applications * +	3.0
CIS-058	Spec Software Applications * +	3.0
CIS-049	Content Management Systems * +	2.0
BUS-247	Principles of Marketing	3.0
BUS-141	Business Communications	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
BUS-060	Automated Office Procedures * +++	3.0
BUS-079	Professional Development +++	3.0
CIS-047	Graphic Design Capstone * +++	3.0
ENG-095	Business English or	
SPE-111	Intro to Speech Communication or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SOC-280	Introduction to Sociology or	
PSY-271	Intro to Psychology	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

\+ Course only offered fall semester
***** There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester

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Email: counsel@lakelandcollege.edu

Faculty Contact: Marcy Satterwhite
Faculty Email: msatterw@lakelandcollege.edu
Faculty Phone: 217-234-5359

HEATING, VENTILATING, AIR CONDITIONING AND REFRIGERATION

(CRT.HVAC) CERTIFICATE

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.

FIRST YEAR

First Semester		**Hours**
TEC-048	Applied Shop Computations	3.0
HVC-062	Intro to HVACR Electricity +	4.0
IND-043	Refrigeration Fundamentals +	4.0
HVC-066	Refrigeration II * +	4.0
	SEMESTER TOTALS	**15.0**
Second Semester		
HVC-068	Air Conditioning I * +++	3.0
HVC-070	Air Conditioning II * +++	5.0
HVC-072	Heat Generating Systems * +++	5.0
TEC-059	Energy Management +++	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**30.0**

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

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

Faculty Contact: Kris Kersey
Faculty Email: kkersey@lakelandcollege.edu
Faculty Phone: 217-234-5304

HORTICULTURE

(CRT.HRT) CERTIFICATE

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.

FIRST YEAR

First Semester		**Hours**
HRT-201	Introduction to Horticulture +	3.0
HRT-061	Woody Plants Identification +	3.0
HRT-076	Greenhouse Mgt and Production +	3.0
HRT-082	Landscape Construction & Maint +	3.0
AGR-040	Agricultural Mathematics +	2.5
AGR-050	Soils + or	
AGR-205	Intro/Soil Science	3.5
	SEMESTER TOTALS	**18.0**
Second Semester		
HRT-063	Evergreen/Vines & Ground Cover +++	3.0
HRT-066	Turf Management +++	3.0
HRT-081	Landscape Design +++	3.0
HRT-071	Herbaceous Perennial Plants +++	3.0
HRT-091	Supervised Occupational Exp I	3.5
	SEMESTER TOTALS	**15.5**
Summer Term		
HRT-072	Herbaceous Annual Plants ++++	3.0
HRT-092	Supervised Occupational Exp II	2.5
	SEMESTER TOTALS	**5.5**
	TOTAL PROGRAM HOURS	**39.0**

+ Course only offered fall semester
+++ Course only offered spring semester
++++ Course offered in summer term only

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

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
HRT-201	Introduction to Horticulture +	3.0
HRT-061	Woody Plants Identification +	3.0
HRT-082	Landscape Construction & Maint +	3.0
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-050	Soils + or	
AGR-205	Intro/Soil Science	3.5
	SEMESTER TOTALS	**15.0**
Second Semester		
HRT-063	Evergreen/Vines & Ground Cover +++	3.0
HRT-071	Herbaceous Perennial Plants +++	3.0
HRT-091	Supervised Occupational Exp I *	3.5
AGR-111	Intro to Agriculture Software +++ or	
AGR-112	Computer Applic/Agriculture +++	2.0
--- ---	HRT or AGR Elective **	2.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**15.5**
Summer Term		
AGR-120	Agriculture Economics ++++ or	
AGR-207	Intro/Ag Economics	3.0
HRT-072	Herbaceous Annual Plants ++++	3.0
HRT-092	Supervised Occupational Exp II *	2.5
	SEMESTER TOTALS	**8.5**

SECOND YEAR

First Semester		Hours
HRT-076	Greenhouse Mgt and Production +	3.0
HRT-081	Landscape Design +	3.0
BIO-100	Bio Science I or	
BIO-130	Environmental Science	4.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	
ENG-098	Communications I +	3.0
PSY-271	Intr/Psychology or	
SOS-050	Human Relations	2.0
	SEMESTER TOTALS	**15.0**
Second Semester		
HRT-066	Turf Management +++	3.0
HRT-093	Sup Occupational Exp III *	3.0
--- ---	HRT or AGR Elective **	2.0
POS-160	American National Government	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**68.0**

SUGGESTED ELECTIVES

HRT-083	Landscape Des II-Layout/Graph +++	3.0
AGR-141	Introduction to Agroecology +++	3.0
AGR-143	Organic Crop Production +++	3.0
AGR-145	Biological Pest Management	3.0
AGR-132	Retailing/Agri Supplies +++	2.0
AGR-133	Agriculture Salesmanship +++	2.5
AGR-053	Integrated Pest Management ++++	3.0
AGR-051	Soil Fertility +++	2.5
HRT-062	Vegetable Crop Production	3.0

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator
++++ Course offered in summer term only

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HUMAN SERVICES-BUSINESS

(AAS.HSP.BUS) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Business area of concentration is for students interested in working at agencies that provide financial assistance, hospitality, and literacy programs, etc. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**

Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

BUS-151	Financial Accounting *	3.0
BUS-152	Managerial Accounting *	3.0
BUS-200	Legal Environ/Business	3.0
ECO-231	Principles of Econ I (Macro)	3.0
PSY-279	Human Dev/Life Span	3.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

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Email: counsel@lakelandcollege.edu

Faculty Contact: Helen Hendren
Faculty Email: hhendren@lakelandcollege.edu
Faculty Phone: 217-234-5409

SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0

Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	Adobe InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

HUMAN SERVICES - CRIMINAL JUSTICE

(AAS.HSP.CRJ) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Criminal Justice area of concentration is for students interested in working at agencies such as substance abuse, probation, and correctional centers, etc. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**

Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

CJS-166	Corrections	3.0
CJS-152	Criminal Investigation I	3.0
CJS-160	Criminal Evidence & Procedure *	3.0
CJS-158	Juvenile Justice	3.0
CJS-150	Intro/Criminal Just	3.0
CJS-156	Criminal Law	3.0
HSP-120	Introduction to Social Work	3.0

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Faculty Contact: Helen Hendren
Faculty Email: hhendren@lakelandcollege.edu
Faculty Phone: 217-234-5409

SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0

Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

HUMAN SERVICES-DIETETICS

(AAS.HSP.DIT) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Dietetics area of concentration is for students interested in working at agencies such as dietary aid in residential facilities, health departments and hospitals. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**

Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

HED-046	Food Service Sanitation	2.0
HED-102	Nutrition	3.0
HSP-120	Introduction to Social Work	3.0
BUS-151	Financial Accounting *	3.0
CHM-151	General Chemistry II *	4.0

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SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0
Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	Adobe InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

HUMAN SERVICES - EDUCATION

(AAS.HSP.EDU) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Education area of concentration is for students interested in working at agencies such as day cares, schools, and day treatment facilities. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP 103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**
Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

EDU-100	Introduction to Education ^^^	3.0
EDU-103	Teaching/Learning W/Technology *	3.0
EDU-190	Introduction/Special Education	3.0
EDU-200	Educational Psychology	3.0
ECE-083	Instructional Methods	3.0
ECE-110	Child Behavior Management	3.0
ECE-095	Creative Activities/Children	4.0
PED-172	Bsc Act Elem/Sec Child	2.0
PSY-274	Child Development	3.0
EDU-210	Diversity/Schools & Societies	3.0
HSP-120	Introduction to Social Work	3.0

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SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0
Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

HUMAN SERVICES - HEALTH

(AAS.HSP.HEA) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Health area of concentration is for students interested in working at agencies such as, health departments, residential facilities, and special education classrooms. . Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**

Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

AHE-040	Basic Nurse Assisting	8.0
AHE-041	Medical Terminology	3.0
AHE-042	Advanced Medical Terminology	3.0
ECE-102	Health/Safety/Nutri/Yng Child	3.0
EMS-050	Emergency Medical Tech-Basic *	6.0
HED-270	Community Health	3.0
HED-102	Nutrition	3.0
HED-290	Disease Processes *	2.0
PED-285	Fitness for Life	3.0
HSP-120	Introduction to Social Work	3.0

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SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0

Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

HUMAN SERVICES - PSYCHOLOGY

(AAS.HSP.PSY) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Psychology area of concentration is designed to prepare students with skills to work in a variety of settings such as homes for the developmentally disabled, activity-psychosocial areas of senior residential homes, special education schools, state agencies, correctional centers, probation offices, social service areas of hospitals and mental health facilities. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**

Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

ECE-110	Child Behavior Management	3.0
HSP-101	Dynamics of Domestic Violence	3.0
HSP-102	Behavior Management	3.0
SOC-280	Introduction to Sociology	3.0
SOS-235	Death and Dying	3.0
PSY-275	Psych of Maturity and Old Age *	3.0
PSY-274	Child Development	3.0
SOC-290	Sociology of Family	3.0
PSY-279	Human Dev/Life Span	3.0
PSY-273	Abnormal Psychology *	3.0
PSY-277	Social Psychology *	3.0
HSP-120	Introduction to Social Work	3.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
--- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0
Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

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HUMAN SERVICES - SOCIOLOGY

(AAS.HSP.SOC) ASSOCIATE IN APPLIED SCIENCE

The Human Services-Sociology area of concentration is designed to prepare students with skills to work in a variety of settings such as homes for the developmentally disabled, activity-psychosocial areas of senior residential homes, special education schools, state agencies, correctional centers, probation offices, social service areas of hospitals and mental health facilities. Classroom training and field experience prepare graduates of the Human Services program to provide greatly needed services to people who require assistance. Upon completion of this program, students can either go directly to work or transfer to a University.

To be eligible for the field experience the following must be completed: 30 semester hours of the required curriculum, 2.0 GPA, Foundations of Human Services HSP103 and Social Welfare HSP 122. This program of study can lead to a bachelor's degree in family and consumer science, sociology, psychology, health studies or social work. Students should consult with an advisor during their first year regarding specific transfer curricula and electives 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
HSP-103	Foundations of Human Services	3.0
--- ---	Mathematics (IAI M) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
HED-200	Principles of Health	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ENG-121	Composition II * or	
SPE-111	Intro to Speech Communication	3.0
HSP-122	Social Welfare	3.0
CIS-160	Practical Software Application	3.0
HED-178	Responding to Emergencies	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**14.0**
Summer Term		
HSP-053	Work Experience Seminar I *	1.0
HSP-054	Field Experience I *	2.0
--- ---	Area of Concentration	3.0
	SEMESTER TOTALS	**6.0**

AREA OF CONCENTRATION

ANT-200	General Anthropology	3.0
CJS-150	Intro/Criminal Just	3.0
SOC-280	Introduction to Sociology	3.0
SOC-282	Social Problems	3.0
SOC-284	Sociology/Deviant Behavior *	3.0
SOC-286	Racial and Ethnic Groups *	3.0
HSP-120	Introduction to Social Work	3.0

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SECOND YEAR

First Semester		Hours
HSP-055	Work Experience Seminar II *	1.0
HSP-056	Field Experience II *	2.0
-- ---	Area of Concentration	6.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
Option A		
HSP-057	Work Experience Seminar III *	1.0
HSP-058	Field Experience III *	2.0
--- ---	Area of Concentration	3.0
--- ---	Electives	8.0
Option B		
--- ---	Area of Concentration	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHI-280	Ethics	3.0
ECO-130	The American Economy	3.0
SPE-200	Interpersonal Communication	3.0
SPE-213	Intro/Group Discussion *	3.0
SPE-220	Persuasive Speaking *	3.0
SFS-101	Strategies for Success	2.0
BUS-141	Business Communications *	3.0
HSP-065	Intro to Substance Abuse	3.0
ENG-110	Manual Comm-Deaf	3.0
ENG-111	Advanced Signing *	3.0
POS-160	American National Government	3.0
ECE-052	Heads Up! Reading	3.0
CIS-101	Internet Systems/Applications	2.0
CIS-090	InDesign	3.0
CIS-054	PowerPoint	2.0
CIS-099	Web Page Design	3.0
CIS-094	Excel	2.0
CIS-093	Access	2.0
CIS-055	Word	2.0

The Human Services student has the opportunity to choose from seven areas of concentration: business, dietetics, education, health, criminal justice, psychology and sociology. Fifteen semester hours are required from one of the seven areas to complete the program. All electives must be approved by program coordinator. General Education courses can be used as elective credit. Electives: need 11 credit hours if complete Field Experience III need 14 credit hours if do not complete Field Experience III. Courses listed under areas of concentration can also be used as electives. Computer courses can be used as electives with a maximum of up to 6 hours.

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

INDUSTRIAL MAINTENANCE

(CRT.INDMT) CERTIFICATE

This program prepares students for entry level into the field of industrial maintenance. Emphasis is placed on such areas as machine shop, plumbing and electricity, as well as concentration of mechanically oriented course work. Nationwide, the industry needs skilled maintenance mechanics. For a person with training in industrial maintenance, a variety of jobs are available in many locations.

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

FIRST YEAR

First Semester		**Hours**
MTT-050	Intro to Machining Procedures	3.0
TEC-040	Blueprint Reading/Industry I +	2.5
MET-042	A.C. Circuits (Module 2) * +	2.5
MET-040	D.C. Circuits *	2.5
IND-044	Fluid Power	3.0
TEC-048	Applied Shop Computations	3.0
TEC-043	Industrial Safety	1.0
	SEMESTER TOTALS	**17.5**
Second Semester		
MET-043	Motors and Generators (Module 1) * ++	2.5
IND-043	Refrigeration Fundamentals * ++	4.0
IND-054	Trouble Shooting & Prev Maint * ++	3.0
WEL-057	Welding Fundamentals	2.5
IND-052	Electrical Installation Proc (Module 2) * +++	2.5
SOS-050	Human Relations	2.0
IND-042	Pipefitting Procedures	1.0
	SEMESTER TOTALS	**17.5**
	TOTAL PROGRAM HOURS	**35.0**

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
++ Course only offered spring and summer semester
+++ Course only offered spring semester

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IT-COMPUTER APPLICATIONS

(AAS.ITAPS) ASSOCIATE IN APPLIED SCIENCE

The concentration in Computer Applications provides students with entry-level skills necessary to work as a help-desk technician, software trainer or other computer professional. The student will be provided with a well-rounded computer curriculum featuring courses in application and graphics software, hardware, internet, web page design, networking, and programming.

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

FIRST YEAR

First Semester		Hours
CIS-156	Computer Logic	3.0
CIS-160	Practical Software Application	3.0
CIS-071	Introduction to Networking	2.0
SFS-101	Strategies for Success or	
PED ---	P.E. Elective or	
HED ---	Health Elective	2.0
CIS-099	Introduction to Web Technology	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
SPE-111	Intro to Speech Communication or	
BUS-141	Business Communications	3.0
CIS-093	Access	2.0
CIS-094	Excel	2.0
ITT-071	Web Scripting I * +++	3.0
MAT-090	Math for Computer Applications * +++ or	
MAT 1--	Math Elective *	3.0
BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
CIS-056	Advanced Software Applications * +	3.0
CIS-095	Database Management * +	3.0
CIS-060	Project Management	2.0
CIS-052	Visual Basic * +	4.0
CIS-088	Adobe Photoshop	3.0
CIS-092	Adobe Illustrator	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
CIS-074	IT Seminar *	1.0
ITT-041	IT Computer Apps Degree Internship *	2.0
CIS-049	Content Management Systems *	2.0
CIS or ITT	Electives **	7.0
PSY-271	Intr/Psychology or	
--- ---	Social Science Elective	3.0
ECO-231	Principles of Econ I (Macro) or	
--- ---	Social Science Elective	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**68.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
+ Course only offered fall semester
** Electives must be approved by the Program Coordinator

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Faculty Phone: 217-234-5414

IT-COMPUTER APPLICATIONS

(CRT.ITAPS) CERTIFICATE

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
CIS-156	Computer Logic	3.0
CIS-160	Practical Software Application	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-071	Introduction to Networking	2.0
CIS-094	Excel	2.0
CIS-088	Adobe Photoshop	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
CIS-093	Access	2.0
CIS-056	Advanced Software Applications * +	3.0
CIS-052	Visual Basic * +	4.0
ITT-040	IT Computer Apps Cert Internship *	1.0
CIS or ITT	Electives **	4.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**30.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
** Electives must be approved by the Program Coordinator

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Faculty Phone: 217-234-5414

IT-COMPUTER GAME DEVELOPMENT

(CRT.ITGD) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CIS-156	Computer Logic	3.0
CIS-062	Computer Game Development	3.0
CIS-063	3-D Computer Animation +++	3.0
ITT-053	Digital Media Arts +++	3.0
--- ---	IT Elective **	2.0
	SEMESTER TOTALS	**14.0**
Second Semester		
ITT-066	Indie Game Development Lab	3.0
CIS-162	Object-Oriented Programming I * +++	3.0
CIS-065	Adv Game Development *	3.0
CIS-069	Cross Platform Game Dev *	3.0
ITT-050	IT Game Dev Cert Internship *	1.0
--- ---	IT Elective **	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**30.0**

** Electives must be approved by the Program Coordinator
+++ Course only offered spring semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.

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IT-DIGITAL MEDIA SPECIALIST

(CRT.ITDMS) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
RTV-180	Basic TV Production	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-066	Digital Video Production +	3.0
ITT-053	Digital Media Arts +++	3.0
--- ---	IT Elective **	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
CIS-067	Adv Digital Video Production *	3.0
CIS-063	3-D Computer Animation +++	3.0
ITT-048	IT Digital Media Cert Intern *	1.0
ITT-068	Digital Video Effects *	3.0
CIS-049	Content Management Systems	2.0
--- ---	IT Elective **	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**31.0**

+ Course only offered fall semester
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator
* There are prerequisites, course requisites, or minimum placement test scores for this course.

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Faculty Contact: Scott Rhine
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Faculty Phone: 217-234-5353

IT-NETWORK ADMINISTRATION

(AAS.ITNET) ASSOCIATE IN APPLIED SCIENCE

The concentration in Network Administration provides an intensive course of study that prepares a student to work in a business environment while maintaining or administering a microcomputer network. The core required classes cover general areas in information technology and the concentration classes cover both the physical network and operating system environment in great detail. Many of the classes can be used as preparation for various hardware, networking, and OS certifications from Microsoft, CompTIA, Cisco and others.

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

FIRST YEAR

First Semester		Hours
CIS-160	Practical Software Application	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-156	Computer Logic	3.0
EET-060	Computer Hardware	3.0
SFS-101	Strategies for Success or	
PED ---	P.E. Elective or	
HED ---	Health Elective	2.0
--- ---	IT Elective	2.0
	SEMESTER TOTALS	**16.0**

Second Semester		
CIS-079	Client Operating System	3.0
CIS-081	Networking Essentials	3.0
CIS-060	Project Management +	2.0
SPE-111	Intro to Speech Communication	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-090	Math for Computer Applications * or	
MAT 1--	Math Elective *	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
CIS-070	Network Security * +	3.0
CIS-084	Server Operating Systems *	3.0
CIS-087	TCP/IP and Routing * +	3.0
CIS-073	Survey of Operating Systems +	3.0
PSY-271	Intr/Psychology or	
--- ---	Social Science Elective **	3.0
BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
CIS-053	Wireless Networking * +++	3.0
CIS-085	Adv Server Operating System *	3.0
CIS-089	Advanced Routing * +++	3.0
CIS-074	IT Seminar	1.0
ITT-043	IT Net Admin Degree Internship *	2.0
ECO-231	Principles of Econ I (Macro) or	
--- ---	Social Science Elective	3.0
--- ---	IT Elective **	2.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**68.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
** Electives must be approved by the Program Coordinator
+++ Course only offered spring semester

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IT-NETWORK ADMINISTRATION

(CRT.ITNET) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CIS-079	Client Operating System	3.0
CIS-073	Survey of Operating Systems +	3.0
CIS-156	Computer Logic	3.0
CIS-160	Practical Software Application	3.0
--- ---	IT Elective **	2.0
	SEMESTER TOTALS	**14.0**
Second Semester		
CIS-081	Networking Essentials	3.0
CIS-084	Server Operating Systems *	3.0
CIS-099	Introduction to Web Technology	3.0
EET-060	Computer Hardware	3.0
ITT-042	IT Net Admin Cert Internship	1.0
--- ---	IT Elective **	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**30.0**

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

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IT-PROGRAMMING

(AAS.ITPRO) ASSOCIATE IN APPLIED SCIENCE

The concentration in Programming provides the necessary training to prepare a student to enter business, industry or government work in programming and related jobs.

The core required classes cover general areas of Information Technology and the concentration classes cover a variety of application programming languages, web programming and database interactivity.

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

FIRST YEAR

First Semester		Hours
CIS-156	Computer Logic	3.0
CIS-099	Introduction to Web Technology	3.0
CIS-160	Practical Software Application	3.0
CIS-071	Introduction to Networking	2.0
SFS-101	Strategies for Success or	
PED ---	P.E. Elective	
HED ---	Health Elective	2.0
ECO-231	Principles of Econ I (Macro) or	
--- ---	Social Science Elective	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
CIS-162	Object-Oriented Programming I * +++	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ITT-071	Web Scripting I * +++	3.0
MAT-090	Math for Computer Applications * +++ or	
MAT 1---	Math Elective *	3.0
SPE-111	Intro to Speech Communication	3.0
CIS-060	Project Management	2.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
CIS-052	Visual Basic * +	4.0
CIS-164	Object-Oriented Programming II * +	3.0
CIS-170	Object Oriented Programming III	3.0
CIS-095	Database Management * +	3.0
CIS-049	Content Management Systems *	2.0
ITT-072	Web Scripting II * + or	
--- ---	Electives **	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
CIS-083	Systems Design * +++	4.0
CIS-074	IT Seminar *	1.0
ITT-045	IT Programming Degree Internship *	2.0
PSY-271	Intr/Psychology or	
--- ---	Social Science Elective	3.0
ITT-054	Mobile Application Development * +++	3.0
ITT-073	Web Scripting III * +++ or	
--- ---	Elective **	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**67.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
+ Course only offered fall semester
** Electives must be approved by the Program Coordinator

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IT-PROGRAMMING

(CRT.ITPROG) CERTIFICATE

The certificate in Programming lays the foundation for entry level work as a computer operator or computer programmer. The course work is spread among the various information technology concentrations and allows for future completion of any of the IT degrees. 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.

FIRST YEAR

First Semester		Hours
CIS-156	Computer Logic	3.0
CIS-160	Practical Software Application	3.0
CIS-071	Introduction to Networking	2.0
CIS-099	Introduction to Web Technology	3.0
CIS-060	Project Management	2.0
	SEMESTER TOTALS	**13.0**
Second Semester		
ITT-054	Mobile Application Development	3.0
CIS-052	Visual Basic * +	4.0
CIS-162	Object-Oriented Programming I * +++	3.0
ITT-044	IT Programming Cert Int *	1.0
CIS or ITT	Electives **	6.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**30.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator

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IT- WEB TECHNOLOGY

(AAS.ITWEB) ASSOCIATE IN APPLIED SCIENCE

The concentration in Web Technology degree is designed to provide students with the skills necessary to work independently or in business as a web page designer/developer. The student will be provided with a well-rounded computer curriculum featuring courses in application and graphics software, hardware, internet, web page design, and programming.

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

FIRST YEAR

First Semester		Hours
CIS-099	Introduction to Web Technology	3.0
ITT-070	Python	3.0
CIS-156	Computer Logic	3.0
CIS-088	Adobe Photoshop	3.0
SFS-101	Strategies for Success or	
PED ---	P.E. Elective or	
HED ---	Health Elective	2.0
CIS-160	Practical Software Application	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
ITT-071	Web Scripting I *	3.0
CIS-049	Content Management Systems *	2.0
CIS-051	Designing for the Web * +++	3.0
ITT-053	Digital Media Arts * +++	3.0
SPE-111	Intro to Speech Communication	3.0
BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
ITT-072	Web Scripting II *	3.0
ITT-074	Web Systems I *	3.0
CIS-095	Database Management * +	3.0
CIS-060	Project Management	2.0
MAT-090	Math for Computer Applications +++ or	
MAT 1---	Math Elective *	3.0
ECO-231	Principles of Econ I (Macro) or	
--- ---	Social Science Elective	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
ITT-073	Web Scripting III *	3.0
ITT-075	Web Systems II *	3.0
ITT-047	IT Web Technology Degree Int *	2.0
CIS-074	IT Seminar	1.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology or	
--- ---	Social Science Elective	3.0
CIS or ITT	IT Elective **	2.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**68.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
+ Course only offered fall semester
** Electives must be approved by the Program Coordinator

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Faculty Phone: 217-234-5326

IT-WEB TECHNOLOGY

(CRT.ITWEB) CERTIFICATE

The certificate in Web Technology lays the foundation for entry level work as a web page designer. The course work emphasizes software applications and web page design instruction and allows for future completion of the Web Technology IT degree without complications.

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

FIRST YEAR

First Semester		Hours
CIS-099	Introduction to Web Technology	3.0
CIS-156	Computer Logic or	
--- ---	IT Electives	3.0
CIS-088	Adobe Photoshop *	3.0
CIS-160	Practical Software Application	3.0
CIS-095	Database Management * + or	
--- ---	IT Electives	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ITT-071	Web Scripting I or	
--- ---	IT Electives	3.0
CIS-051	Designing for the Web * +++	3.0
CIS-049	Content Management Systems *	2.0
CIS-060	Project Management	2.0
ITT-046	IT Web Technology Cert Int *	1.0
CIS or ITT	IT Electives **	4.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**30.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator

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

Faculty Contact: James Munger
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Faculty Phone: 217-234-5326

JOHN DEERE TECH

(AAS.JDAT) ASSOCIATE IN APPLIED SCIENCE

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.

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

FIRST YEAR

First Semester		Hours
--- ---	John Deere Elective	1.0
JDA-080	John Deere Electrical Systems +	3.5
TEC-048	Applied Shop Computations +	3.0
JDA-073	JD Shop Skills & Fundamentals +	3.0
JDA-091	John Deere Hydraulics I +	3.0
JDA-111	John Deere Ag Software +	2.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**17.5**
Second Semester		
--- ---	John Deere Elective	2.0
ENG-050	Writing for Industry or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
JDA-071	John Deere Power Trains * +++	3.0
JDA-086	John Deere Combine Production * +++	2.5
JDA-092	John Deere Hydraulics II * +++	3.0
ECO-130	The American Economy	3.0
	SEMESTER TOTALS	**16.5**
Summer Term		
JDA-094	John Deere Air Cond Systems * ++++	2.5
JDA-041	John Deere SOE I * ++++	2.0
--- ---	John Deere Elective * ++++	2.0
	SEMESTER TOTALS	**6.5**

SECOND YEAR

First Semester		Hours
JDA-042	John Deere SOE II *	4.0
JDA-087	John Deere Fuel Systems *	3.0
JDA-050	John Deere Engine Systems *	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	John Deere Elective * +	1.0
	SEMESTER TOTALS	**14.0**
Second Semester		
JDA-095	John Deere Equip Diagnostics * +++	3.0
POS-160	American National Government	3.0
JDA-082	JD Adv Elect/Electronic Sys * +++	3.5
JDA-043	John Deere SOE III * +++	4.0
	SEMESTER TOTALS	**13.5**
	TOTAL PROGRAM HOURS	**68.0**

SUGGESTED ELECTIVES

WEL-057	Welding Fundamentals	2.5
JDA-072	JD Advanced Power Trains *	3.0
JDA-051	JD Tillage & Seeding Equipment +	3.0
AGR-052	Principles of Crop Production +	3.0
JDA-054	JD Turf and Utility Equipment +++	2.0
JDA-113	John Deere Apex Software +++	2.0
JDA-114	John Deere Hay Equipment *	2.0

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only

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

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
CJS-150	Intro/Criminal Just	3.0
CIS-160	Practical Software Application	3.0
SFS-101	Strategies for Success or	
SFS-103	Life Strategies	2.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
CJS-080	Introduction to Policing	3.0
	SEMESTER TOTALS	**14.0**

Second Semester		
CJS-152	Criminal Investigation I	3.0
CJS-156	Criminal Law	3.0
--- ---	Math or Science Elective	3.0
CJS-081	Police Report Writing	2.0
PSY-271	Intr/Psychology	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
CJS-160	Criminal Evidence & Procedure	3.0
SOC-282	Social Problems or	
SOC-280	Introduction to Sociology	3.0
CJS-153	Police Operations *	3.0
CJS-090	Community Policing	3.0
SPE-200	Interpersonal Communication	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
CJS-158	Juvenile Justice	3.0
CJS-091	Ethics in Criminal Justice	3.0
HED-178	Responding to Emergencies	2.0
CJS-250	Criminology	3.0
--- ---	Electives	4.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

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

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

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Faculty Phone: 217-234-5328

LAW ENFORCEMENT OPERATIONS

(NDP.LEO) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CJS-080	Introduction to Policing	3.0
CJS-081	Police Report Writing	2.0
CJS-090	Community Policing	3.0
CJS-150	Intro/Criminal Just	3.0
CJS-152	Criminal Investigation I	3.0
CJS-153	Police Operations *	3.0
CJS-160	Criminal Evidence & Procedure	3.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**22.0**
	TOTAL PROGRAM HOURS	**22.0**

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

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Email: counsel@lakelandcollege.edu

Faculty Contact: David Chambers
Faculty Email: dchambers@lakelandcollege.edu
Faculty Phone: 217-234-5328

LIVESTOCK PRODUCTION

(CRT.LVST) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
AGR-040	Agricultural Mathematics +	2.5
AGR-052	Principles of Crop Production +	3.0
AGR-060	Animal Husbandry +	3.0
AGR-050	Soils + or	
AGR-205	Intro/Soil Science * +++	3.5
AGR-122	Farm Management * +	2.5
AGR-061	Livestock Evaluation +	3.0
	SEMESTER TOTALS	**17.5**
Second Semester		
AGR-111	Intro to Agriculture Software +++	2.0
AGR-049	OSHA/Ag Mach Safety +++	1.0
AGR-123	Marketing of Ag Products +++	2.5
AGR-063	Animal Nutrition +++	2.5
AGR-124	Farm Credit and Finance +++	2.0
AGR-064	Beef/Dairy Production Skills +++	1.5
AGR-070	Swine Production Skills +++	1.5
AGR-065	A.I. Management-Cattle +++ or	
AGR-071	Swine Reproduction and A.I. +++	1.0
AGR-041	Supervised Occupational Exp I	3.5
	SEMESTER TOTALS	**17.5**
Summer Term		
AGR-120	Agriculture Economics ++++	3.0
	Elective	2.0
	SEMESTER TOTALS	**5.0**
	TOTAL PROGRAM HOURS	**40.0**

SUGGESTED ELECTIVES

AGR-066	Meat Science +++	2.0
AGR-053	Integrated Pest Management ++++	3.0
AGR-121	Farm Business Records +++	2.5
AGR-090	Principles of Agri Mechanics +	2.5
AGR-042	Supervised Ocupational Exp II ++++	2.5

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only

Call Counseling Services: 217-234-5232
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Faculty Contact: Samuel Orrick
Faculty Email: sorrick@lakelandcollege.edu
Faculty Phone: 217-234-5360

MANAGEMENT

(AAS.MGT) ASSOCIATE IN APPLIED SCIENCE

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 65.

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

FIRST YEAR

First Semester		Hours
BUS-142	Introduction to Business	3.0
ECO-231	Principles of Econ I (Macro)	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I * or	
ENG-095	Business English	3.0
BUS-134	Principles of E-Marketing or	
--- ---	Career Elective **	3.0
SFS-101	Strategies for Success or	
HED ---	Health Elective or	
PED ---	P.E. Elective	2.0
	SEMESTER TOTALS	**14.0**
Second Semester		
CIS-160	Practical Software Application	3.0
BUS-251	Principles of Management	3.0
BUS-247	Principles of Marketing	3.0
BUS-141	Business Communications or	
--- ---	Career Elective **	3.0
ECO-232	Prin Economics II (Micro) * or	
POS-162	State/Local Govern	3.0
	SEMESTER TOTALS	**15.0**
Summer Term		
BUS-091	Prin of Advertising ++++	3.0
BUS-092	Principles of Selling	3.0
BUS-090	Prin of Retailing ++++ or	
BUS-089	Small Business Management	3.0
	SEMESTER TOTALS	**9.0**

SECOND YEAR

First Semester		Hours
BUS-290	Human Resource Management *	3.0
BUS-151	Financial Accounting *	3.0
SPE-111	Intro to Speech Communication	3.0
BUS-200	Legal Environ/Business or	
--- ---	Career Elective **	3.0
BUS-094	Business Math or	
MAT-1**	Mathematics Elective *	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-285	Labor Relations * +++	3.0
BUS-074	Management Seminar ** or	
--- ---	Career Elective **	1.0
BUS-076	Management Internship ** or	
--- ---	Career Elective **	4.0
BUS-078	Management/Marketing Capstone *	1.0
BUS-096	Federal Tax Accounting or	
BUS-152	Managerial Accounting *	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**65.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator
++++ Course offered in summer term only
+++ Course only offered spring semester

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Email: counsel@lakelandcollege.edu

Faculty Contact: John Carpenter
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Faculty Phone: 217-234-5347

MANAGEMENT
(NDP.MGT) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-089	Small Business Management or	
BUS-142	Introduction to Business	3.0
BUS-290	Human Resource Management *	3.0
BUS-251	Principles of Management	3.0
BUS-200	Legal Environ/Business	3.0
CIS-160	Practical Software Application	3.0
--- ---	Career Elective **	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

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Faculty Phone: 217-234-5347

MANUFACTURING SKILLS I

(NDP.MSP) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
TEC-043	Industrial Safety	1.0
TEC-046	Manufacturing Skills I	2.0
TEC-047	Manufacturing Skills II	2.0
TEC-049	Manufacturing Skills III	2.0
TEC-051	Manufacturing Skills IV	2.0
TEC-048	Applied Shop Computations	3.0
TEC-090	Education-To-Careers	3.0
TEC-055	Special Topics in Technology	1.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**16.0**

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Faculty Phone: 217-234-5316

MARKETING

(AAS.MKTG) ASSOCIATE IN APPLIED SCIENCE

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 64.

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

FIRST YEAR

First Semester		Hours
BUS-142	Introduction to Business	3.0
BUS-094	Business Math or	
MAT 1---	Math Elective *	3.0
SFS-101	Strategies for Success or	
HED ---	Health Elective or	
PED ---	P.E. Elective	2.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SOS-050	Human Relations	2.0
	SEMESTER TOTALS	**13.0**
Second Semester		
BUS-251	Principles of Management	3.0
BUS-247	Principles of Marketing	3.0
CIS-160	Practical Software Application	3.0
ENG-121	Composition II *	3.0
BUS-085	Accounting Process or	
--- ---	Career Elective **	1.0
	SEMESTER TOTALS	**13.0**
Summer Term		
BUS-092	Principles of Selling	3.0
BUS-091	Prin of Advertising ++++	3.0
BUS-090	Prin of Retailing ++++	3.0
	SEMESTER TOTALS	**9.0**

SECOND YEAR

First Semester		Hours
BUS-151	Financial Accounting *	3.0
BUS-141	Business Communications	3.0
ECO-231	Principles of Econ I (Macro)	3.0
BUS-200	Legal Environ/Business	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
PSY-271	Intr/Psychology	3.0
ECO-232	Prin Economics II (Micro) * or	
POS-162	State/Local Govern	3.0
BUS-134	Principles of E-Marketing or	
--- ---	Career Elective **	2.0
BUS-057	Marketing Internship ** or	
--- ---	Career Elective **	4.0
BUS-056	Marketing Seminar ** or	
--- ---	Career Elective **	1.0
BUS-078	Management/Marketing Capstone *	1.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator
++++ Course offered in summer term only

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

Faculty Contact: John Carpenter
Faculty Email: jcarpent@lakelandcollege.edu
Faculty Phone: 217-234-5347

MARKETING

(CRT.MKTG) CERTIFICATE

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.

FIRST YEAR

First Semester		**Hours**
BUS-142	Introduction to Business	3.0
BUS-247	Principles of Marketing	3.0
BUS-141	Business Communications	3.0
CIS-160	Practical Software Application	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
BUS-090	Prin of Retailing ++++	3.0
BUS-091	Prin of Advertising ++++	3.0
BUS-092	Principles of Selling	3.0
--- ---	Career Elective **	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**24.0**

++++ Course offered in summer term only
** Electives must be approved by the Program Coordinator

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Email: counsel@lakelandcollege.edu

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Faculty Phone: 217-234-5347

MASSAGE THERAPY - TRACK

(CRT.MT.TRK) ASSOCIATE IN LIBERAL STUDIES

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.

MASSAGE THERAPY

(CRT.MT) CERTIFICATE

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 Kluthe Center for Higher Education and Technology in Effingham, Illinois, classes begin each fall semester and run for 4 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 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 Intent to Enroll form 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.

FIRST YEAR

First Semester		Hours
MAS-055	Massage Therapy I * +	5.0
BIO-050	Basic Anatomy & Physiology	4.0
MAS-058	Legal Documentation for MT * +	2.0
	SEMESTER TOTALS	**11.0**
Second Semester		
MAS-065	Massage Therapy II * +++	5.0
MAS-060	A & P for Massage Therapist II * +++	4.0
MAS-067	Pathology/Massage Therapist +++	3.0
	SEMESTER TOTALS	**12.0**
Summer Term		
MAS-075	Massage Therapy III * ++++	5.0
MAS-077	Massage Clinic I * ++++	1.5
	SEMESTER TOTALS	**6.5**

SECOND YEAR

First Semester		Hours
MAS-070	Ethics for Massage Therapist +	1.0
MAS-085	Massage Therapy IV * +	5.0
BUS-089	Small Business Management	3.0
MAS-087	Massage Clinic II * +	1.5
	SEMESTER TOTALS	**10.5**
	TOTAL PROGRAM HOURS	**40.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
++++ Course offered in summer term only

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MECHANICAL-ELECTRICAL TECHNOLOGY

(AAS.MET) ASSOCIATE IN APPLIED SCIENCE

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 wind or solar). 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
ENG-098	Communications I or	
ENG-050	Writing for Industry	3.0
TEC-040	Blueprint Reading/Industry I +	2.5
IND-044	Fluid Power	3.0
TEC-050	Technical Math I (Module 1)	2.0
TEC-052	Technical Math II (Module 2) *	2.0
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
	SEMESTER TOTALS	**17.5**

Second Semester		
MET-080	Solid State Devices & Apps * +++	3.0
TEC-054	Technical Math III (Module 1) *	2.0
MET-043	Motors and Generators (Module 1) * +++	2.5
MTT-050	Intro to Machining Procedures (Module 2)	3.0
IND-052	Electrical Installation Proc (Module 2) * +++	2.5
CAD-056	CAD I	2.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
IND-043	Refrigeration Fundamentals *	4.0
CIS-068	Computer Appl-Special Topics +	2.0
CAD-057	CAD II *	3.0
EET-072	Industrial Control I (Module 1) * +	2.0
EET-086	Prog Logic Controllers I (Module 2) * +	2.0
--- ---	Social Science Elective	2.0
--- ---	Technical Elective **	2.0
	SEMESTER TOTALS	**17.0**

Second Semester		
IND-054	Trouble Shooting & Prev Maint * +++	3.0
CIM-060	CNC Machining * +++	3.0
MET-084	Technical Mechanisms * +++	3.0
WEL-057	Welding Fundamentals	2.5
--- ---	Economics Elective	3.0
--- ---	Technical Elective **	3.0
	SEMESTER TOTALS	**17.5**
	TOTAL PROGRAM HOURS	**69.0**

SUGGESTED ELECTIVES

WND-040	Intro to Wind Technology	3.0
EET-068	Photovoltaic Systems *	3.0
IND-042	Pipefitting Procedures	1.0
TEC-043	Industrial Safety	1.0
EET-087	Prog Logic Controllers II *	2.0
EET-075	HMI-Human Machine Interface *	2.0
CAD-058	CAD Drafting Systems *	2.0
CAD-059	Special Applications of CAD *	3.0
EET-069	Residential Wiring I *	3.0
CAD-062	Introduction to Solidworks * +++	2.0
EET-071	Routing & Switch Fundamentals * +	3.0

+ Course only offered fall semester
* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator

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MEDICAL ASSISTANT-TRACK

(CRT.MAP.TRK) ASSOCIATE IN LIBERAL STUDIES

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 Intent to Enroll form found on the website.

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: Molly Yeske
Faculty Email: myeske@lakelandcollege.edu
Faculty Phone: 217-234-5055

MEDICAL ASSISTANT TRACK

(AAS.MAP.TRK) ASSOCIATE IN LIBERAL STUDIES

The Associate Degree Track prepares the student for acceptance into the Medica Assistant program. The Medical Assistant program is a special admission program. After acceptance into the program, the director will change the program code to AAS. MAP.

Medical Assistants are health professionals specifically trained to work in medical offices. 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. Interested students should submit the Intent to Enroll form found on the website.

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

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MEDICAL ASSISTANT

(AAS.MAP) ASSOCIATE IN APPLIED SCIENCE

Medical Assistants are health professionals specifically trained to work in medical offices. 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.

1. Complete an Intent to Enroll for Lake Land College-Select "AAS.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. Follow the program checklist carefully for instructions about the application procedure.

2.Send high school and college transcripts to Admissions & Records Office. Contact the office at (217) 234-5434 to confirm receipt. If courses have been completed at another institution, be sure to request a "Transcript Evaluation" for AAS.MAP.TRK or "CRT.MAP.TRK" from Admissions & Records Office to ensure courses transfer.

Upon successful completion of the program students may apply for credentialing examination.

Medical Assistant program is a special admission program. Applications are due April 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.

FIRST YEAR

First Semester		Hours
MAP-070	Med Assist Pathophysiology I	4.0
MAP-072	Med Assist Skills I *	5.0
MAP-074	Medical Office Procedures I	4.0
MAP-078	Med Assist Pharmacology I	2.0
	SEMESTER TOTALS	**15.0**
Second Semester		
MAP-076	Medical Office Procedures II *	3.0
MAP-080	Med Assist Pathophysiology II *	4.0
MAP-082	Med Assist Skills II *	5.0
MAP-086	Med Assist Seminar	3.0
MAP-088	Med Assist Pharmacology II *	3.0
	SEMESTER TOTALS	**18.0**
Summer Term		
MAP-090	Med Assist Externship *	3.0
	SEMESTER TOTALS	**3.0**

SECOND YEAR

First Semester		Hours
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
AHE-055	Math for Meds	2.0
BIO-100	Bio Science I	4.0
PSY-279	Human Dev/Life Span	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
SPE-111	Intro to Speech Communication	3.0
HED-102	Nutrition	3.0
--- ---	Elective	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**60.0**

SUGGESTED ELECTIVES

AHE---	Any AHE Course	
--- ---	Any BIO Course	
BUS-113	Keyboarding	3.0
BUS-114	Advanced Formatting	3.0
HED ---	Any HED Course	
MAT-115	General Education Pathway	4.0
MAT-116	General Education Math	3.0
MAT-124	Statistics Pathway	4.0
MAT-125	Statistics	3.0
MCS ---	Any MCS Course	
PSY-271	Intr/Psychology	3.0
SOC-280	Introduction to Sociology	3.0
CIS-160	Practical Software Application	3.0

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

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Faculty Phone: 217-234-5055

MEDICAL ASSISTANT

(CRT.MAP) CERTIFICATE

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 tretment and/or minor procedures.

1. Complete an Intent to Enroll 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 April 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.

FIRST YEAR

First Semester		**Hours**
MAP-070	Med Assist Pathophysiology I	4.0
MAP-072	Med Assist Skills I *	5.0
MAP-074	Medical Office Procedures I	4.0
MAP-078	Med Assist Pharmacology I *	2.0
	SEMESTER TOTALS	**15.0**
Second Semester		
MAP-076	Medical Office Procedures II *	3.0
MAP-080	Med Assist Pathophysiology II *	4.0
MAP-082	Med Assist Skills II *	5.0
MAP-086	Med Assist Seminar *	3.0
MAP-088	Med Assist Pharmacology II *	3.0
	SEMESTER TOTALS	**18.0**
Summer Term		
MAP-090	Med Assist Externship	3.0
	SEMESTER TOTALS	**3.0**
	TOTAL PROGRAM HOURS	**36.0**

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

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Faculty Contact: Molly Yeske
Faculty Email: myeske@lakelandcollege.edu
Faculty Phone: 217-234-5055

MEDICAL CODING & HEALTH INFORMATION

(AAS.HIMC) ASSOCIATE IN APPLIED SCIENCE

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
CIS-160	Practical Software Application	3.0
MCS-040	Health Info for Professionals	3.0
BIO-050	Basic Anatomy & Physiology	4.0
MCS-041	Medical Office Terminology	3.0
SFS-101	Strategies for Success	2.0
	SEMESTER TOTALS	**15.0**
Second Semester		
AHE-057	Pharmacology for Coders	3.0
AHE-044	Pathophysiology	3.0
MCS-050	Principles of CPT Coding	3.0
MCS-055	Principles of ICD-10-CM Coding	3.0
BUS-063	Medical Transcription (Module 1) *	1.0
BUS-084	Adv Medical Transcription (Module 2) *	1.0
AHE-055	Math for Meds	2.0
ENG-095	Business English	3.0
	SEMESTER TOTALS	**19.0**

SECOND YEAR

First Semester		Hours
MCS-065	Adv CPT Coding and Modifiers *	3.0
MCS-070	Advanced ICD-10-CM Coding *	3.0
MCS-068	Medical Management and Ethics *	3.0
BUS-095	Fundamentals of Accounting	3.0
MCS-091	Healthcare Statistics *	3.0
MCS-056	Credentialing/Emerging Coding *	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
MCS-092	Medical Records and the Law *	3.0
PSY-271	Intr/Psychology	3.0
MCS-060	Medical Ins Reimbursement	3.0
BUS-141	Business Communications	3.0
MCS-075	Hospital-Med Coding Internship * or	
MCS-085	Hospital Coding Cert Prep *	1.0
MCS-080	Clinic-Med Coding Internship * or	
MCS-090	Clinic Coding Cert Prep *	1.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**66.0**

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

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Faculty Phone: 217-234-5355

MEDICAL CODING SPECIALIST

(CRT.MCS) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
CIS-160	Practical Software Application	3.0
MCS-040	Health Info for Professionals	3.0
BIO-050	Basic Anatomy & Physiology	4.0
AHE-044	Pathophysiology	3.0
	SEMESTER TOTALS	**13.0**
Second Semester		
AHE-057	Pharmacology for Coders	3.0
MCS-041	Medical Office Terminology	3.0
MCS-050	Principles of CPT Coding	3.0
MCS-055	Principles of ICD-10-CM Coding	3.0
BUS-063	Medical Transcription (Module 1) *	1.0
BUS-084	Adv Medical Transcription (Module 2) *	1.0
	SEMESTER TOTALS	**14.0**

SECOND YEAR

First Semester		Hours
MCS-060	Medical Ins Reimbursement	3.0
BUS-141	Business Communications	3.0
MCS-065	Adv CPT Coding and Modifiers *	3.0
MCS-070	Advanced ICD-10-CM Coding *	3.0
MCS-075	Hospital-Med Coding Internship * or	
MCS-085	Hospital Coding Cert Prep *	1.0
MCS-080	Clinic-Med Coding Internship * or	
MCS-090	Clinic Coding Cert Prep *	1.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**41.0**

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

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Faculty Email: kdaugherty@lakelandcollege.edu
Faculty Phone: 217-234-5355

MEDICAL TRANSCRIPTIONIST

(CRT.MDTRN) CERTIFICATE

Students will complete coursework in Microsoft Office software, medical transcription, medical terminology, billing and coding, medical software, desktop publishing, keyboarding, and document formatting. 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.

FIRST YEAR

First Semester		Hours
BUS-114	Advanced Formatting *	3.0
ENG-095	Business English	3.0
BUS-063	Medical Transcription (Module 1) *	1.0
BUS-084	Adv Medical Transcription (Module 2) *	1.0
BUS-059	Medical Insurance and Coding	3.0
BIO-050	Basic Anatomy & Physiology	4.0
	SEMESTER TOTALS	**15.0**
Second Semester		
CIS-058	Specialized Software Apps	3.0
BUS-115	Processing Info * ++	3.0
BUS-079	Profess Development +++	3.0
BUS-060	Automated Office Procedures	3.0
BUS-082	Medical Transcript Internship *	3.0
BUS-080	Office Professional Seminar	1.0
	SEMESTER TOTALS	**16.0**
Summer Term		
MCS-041	Medical Office Terminology	3.0
CIS-160	Practical Software Application	3.0
	SEMESTER TOTALS	**6.0**
	TOTAL PROGRAM HOURS	**37.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
++ Course only offered spring and summer semester
+++ Course only offered spring semester

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Faculty Contact: Kathleen Daugherty
Faculty Email: kdaugherty@lakelandcollege.edu
Faculty Phone: 217-234-5355

NANNY CHILD CARE PROVIDER

(CRT.NCCP) CERTIFICATE

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.

ECE 120 and 125 must be taken the same semester.

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

FIRST YEAR

First Semester		**Hours**
ECE-100	Intro to Early Childhood Educ	3.0
ECE-102	Health/Safety/Nutri/Yng Child	3.0
ECE-095	Creative Activities/Children	4.0
ECE-051	Infant/Toddler Environment	3.0
ECE-110	Child Behavior Management	3.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**18.0**
Second Semester		
SOC-290	Sociology of Family	3.0
ECE-086	Nanny/Family Relations	2.0
PSY-274	Child Development	3.0
SPE-111	Intro to Speech Communication	3.0
ECE-120	Field Experience Seminar *	1.0
ECE-125	Field Experience *	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**34.0**

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

Call Counseling Services: 217-234-5232
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Faculty Contact: Teresa Lang
Faculty Email: tlang@lakelandcollege.edu
Faculty Phone: 217-234-5426

OFFICE ASSISTANT-EXECUTIVE

(AAS.AAEXE) ASSOCIATE IN APPLIED SCIENCE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications	3.0
BUS-142	Introduction to Business	3.0
CIS-071	Introduction to Networking or	
CIS-101	Internet Systems/Applications	2.0
--- ---	Social Science Elective ^	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
BUS-061	Office Transcription * +++	3.0
BUS-115	Processing Information * +++	3.0
ENG-095	Business English	3.0
BUS-094	Business Math	3.0
CIS-093	Access	2.0
CIS-094	Excel	2.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
CIS-058	Specialized Software Applications	3.0
BUS-060	Automated Office Procedures *	3.0
CIS-056	Advanced Software Applications *	3.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
CIS-099	Introduction to Web Technology	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
BUS-251	Principles of Management	3.0
PSY-271	Introduction to Psychology	3.0
BUS-079	Professional Development +++	3.0
BUS-081	Office Assistant Internship *	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**60.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective

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Faculty Phone: 217-234-5356

OFFICE ASSISTANT-LEGAL

(AAS.AALEG) ASSOCIATE IN APPLIED SCIENCE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications	3.0
BUS-142	Introduction to Business	3.0
CIS-071	Introduction to Networking or	
CIS-101	Internet Systems/Applications	2.0
--- ---	Social Science Elective ^	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
BUS-061	Office Transcription * +++	3.0
BUS-115	Processing Information * +++	3.0
ENG-095	Business English	3.0
BUS-094	Business Math	3.0
CIS-093	Access	2.0
CIS-094	Excel	2.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
CIS-058	Specialized Software Applications	3.0
BUS-060	Automated Office Procedures *	3.0
CIS-056	Advanced Software Applications *	3.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
CJS-150	Introduction to Criminal Justice	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
BUS-200	Legal Environment of Business	3.0
PSY-271	Introduction to Psychology	3.0
BUS-079	Professional Development +++	3.0
BUS-081	Office Assistant Internship *	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**60.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective
+++ Course only offered spring semester

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Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE ASSISTANT-MEDICAL

(AAS.AAMED) ASSOCIATE IN APPLIED SCIENCE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications	3.0
BIO-050	Basic Anatomy & Physiology	4.0
--- ---	Social Science Elective ^	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
BUS-061	Office Transcription * +++	3.0
BUS-115	Processing Information * +++	3.0
ENG-095	Business English	3.0
CIS-099	Introduction to Web Technology	3.0
MCS-040	Health Information for Professionals	3.0
HED-270	Community Health	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
CIS-058	Specialized Software Applications	3.0
BUS-060	Automated Office Procedures *	3.0
CIS-056	Advanced Software Applications *	3.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
MCS-041	Medical Office Terminology	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-059	Medical Insurance and Coding	3.0
PSY-271	Introduction to Psychology	3.0
BUS-079	Professional Development +++	3.0
BUS-083	Office Assistant Internship-Med *	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**61.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective

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Faculty Contact: Kathleen Daugherty
Faculty Email: kdaugherty@lakelandcollege.edu
Faculty Phone: 217-234-5355

OFFICE MANAGER

(AAS.OFMGT) ASSOCIATE IN APPLIED SCIENCE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications	3.0
BUS-142	Introduction to Business	3.0
ECO-231	Principles of Econ I (Macro)	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-061	Office Transcription * +++	3.0
BUS-115	Processing Information * +++	3.0
ENG-095	Business English	3.0
CIS-099	Introduction to Web Technology *	3.0
BUS-094	Business Math	3.0
CIS-094	Excel	2.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
CIS-058	Specialized Software Applications	3.0
BUS-060	Automated Office Procedures *	3.0
CIS-056	Advanced Software Applications *	3.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
BUS-290	Human Resource Management *	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
CIS-093	Access	2.0
BUS-251	Principles of Management	3.0
PSY-271	Introduction to Psychology	3.0
BUS-079	Professional Development +++	3.0
BUS-081	Office Assistant Internship *	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**61.0**

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

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Faculty Contact: Lisa Earp
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Faculty Phone: 217-234-5356

OFFICE RECEPTIONIST

(CRT.OFREC) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-114	Advanced Formatting *	3.0
BUS-094	Business Math	3.0
CIS-160	Practical Software Application	3.0
CIS-058	Specialized Software Applications	3.0
BUS-141	Business Communications	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BUS-115	Processing Information * +++	3.0
BUS-060	Automated Office Procedures *	3.0
BUS-079	Professional Development +++	3.0
BUS-061	Office Transcription * +++	3.0
CIS-094	Excel	2.0
BUS-095	Fundamentals of Accounting or	
BUS-151	Financial Accounting *	3.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**32.0**

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

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Faculty Contact: Lisa Earp
Faculty Email: learp@lakelandcollege.edu
Faculty Phone: 217-234-5356

OFFICE SUPPORT SPECIALIST

(NDP.OFSK.GEN) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications or	
BUS-079	Professional Development +++	3.0
BUS-095	Fundamentals of Accounting	3.0
--- ---	Electives **	6.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator

SUGGESTED ELECTIVES

CIS-058	Specialized Software Applications	3.0
BUS-115	Processing Information * +++	3.0
CIS-056	Advanced Software Applications *	3.0
CIS-099	Introduction to Web Technology	3.0
BUS-060	Automated Office Procedures *	3.0
BUS-079	Professional Development +++	3.0

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Faculty Phone: 217-234-5356

OFFICE SUPPORT SPECIALIST-MEDICAL

(NDP.OFSK.MED) CERTIFICATE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications or	
BUS-079	Professional Development +++	3.0
MCS-041	Medical Office Terminology	3.0
BUS-061	Office Transcription * +++	3.0
BUS-059	Medical Insurance and Coding	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**18.0**

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

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

Faculty Contact: Kathleen Daugherty
Faculty Email: kdaugherty@lakelandcollege.edu
Faculty Phone: 217-234-5355

OFFICE SUPPORT SPECIALIST-MICROSOFT OFFICE

(NDP.OFSK.MOS) CERTIFICATE

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
BUS-114	Advanced Formatting *	3.0
CIS-160	Practical Software Application	3.0
BUS-141	Business Communications or	
BUS-079	Professional Development +++	3.0
CIS-093	Access	2.0
CIS-094	Excel	2.0
CIS-056	Advanced Software Applications *	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**16.0**

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

(AAS.PS) ASSOCIATE IN APPLIED SCIENCE

AAS.PS The associate degree in Paramedical Services is a two-year intensive program that includes classroom, skills laboratory, hospital, and field clinical experiences. Students are prepared for career opportunities in the field of emergency medical services to include urban and rural ambulance services and/or fire departments, industrial settings and clinical settings. This program in conducted in cooperation with Sarah Bush Lincoln Health Center and is approved by the Illinois Department of Public Health and the Division of EMS and Highway Safety. Upon successful completion of the program, the student will be eligible to take the National Registry of Emergency Medical Technician's examination. Consult the Emergency Services Programs Coordinator for specific requirements of this program. Students must complete a file with the Lake Land College Emergency Services office with the following items: current AHA BLS CPR for Healthcare Provider certification card, current driver's license or Illinois state picture ID, immunizations as required by The Illinois Department of Public Health for Healthcare Providers, high school diploma or GED equivalent, physical exam, background check, and drug test.

Upon completion of the degree, there will be additional expenses including licensure application fee, written testing fee and psychomotor testing fees.

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

FIRST YEAR

First Semester		Hours
EMS-050	Emergency Medical Tech-Basic	7.5
BIO-225	Human Ana/Phys I *	4.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
	SEMESTER TOTALS	**14.5**
Second Semester		
EMS-061	Fundamentals of Paramedicine I * +++	4.5
EMS-064	Paramedic Care Skills I * +++	4.0
EMS-068	Clinical Experience I * +++	1.5
PSY-279	Human Dev/Life Span	3.0
	SEMESTER TOTALS	**13.0**
Third Semester		
EMS-071	Fundamentals Paramedicine II * ++++	4.0
EMS-074	Paramedical Care Skills II * ++++	1.0
EMS-078	Clinical Experience II * ++++	1.5
AHE-055	Math for Meds	2.0
	SEMESTER TOTALS	**8.5**

SECOND YEAR

First Semester		Hours
EMS-062	EMS Pharmacology * +	2.0
EMS-084	Paramedical Care Skills III * +	3.0
EMS-086	Fundamentals Paramedicine III * +	4.0
EMS-088	Clinical Experience III	2.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
EMS-092	Fundamentals Paramedicine IV * +++	2.0
EMS-094	Paramedical Care Skills IV * +++	3.0
EMS-098	Parmedic Capstone Internship * +++	1.5
BIO-226	Human Ana/Phys II *	4.0
HED-290	Disease Processes *	2.0
	SEMESTER TOTALS	**12.5**
	TOTAL PROGRAM HOURS	**62.5**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only
+ Course only offered fall semester

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

CRT.PS The certificate in Paramedical Services is a two-year intensive program that includes classroom, skills laboratory, hospital, and field clinical experiences. Students are prepared for career opportunities in the field of emergency medical services to include urban and rural ambulance services and/or fire departments, industrial settings and clinical settings. This program in conducted in cooperation with Sarah Bush Lincoln Health Center and is approved by the Illinois Department of Public Health and the Division of EMS and Highway Safety. Upon successful completion of the program, the student will be eligible to take the National Registry of Emergency Medical Technician's examination. Students must complete a file with the Lake Land College Emergency Services office with the following items: current AHA BLS CPR for Healthcare Provider certification card, current driver's license or Illinois state picture ID, immunizations as required by The Illinois Department of Public Health for Healthcare Providers, high school diploma or GED equivalent, physical exam, background check, and drug test. Consult the Emergency Services Programs Coordinator for specific requirements of this program.

Upon completion of the degree, there will be additional expenses including licensure application fee, written testing fee and psychomotor testing fees.

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

FIRST YEAR

First Semester		**Hours**
EMS-050	Emergency Medical Tech-Basic *	7.5
	SEMESTER TOTALS	**7.5**
Second Semester		
EMS-061	Fundamentals of Paramedicine I * +++	4.5
EMS-064	Paramedic Care Skills I * +++	4.0
EMS-068	Clinical Experience I * +++	1.5
	SEMESTER TOTALS	**10.0**
Summer Term		
EMS-071	Fundamentals Paramedicine II * ++++	4.0
EMS-074	Paramedical Care Skills II * ++++	1.0
EMS-078	Clinical Experience II * ++++	1.5
	SEMESTER TOTALS	**6.5**

SECOND YEAR

First Semester		**Hours**
EMS-062	EMS Pharmacology * +	2.0
EMS-084	Paramedical Care Skills III * +	3.0
EMS-086	Fundamentals Paramedicine III * +	4.0
EMS-088	Clinical Experience III * +	2.0
	SEMESTER TOTALS	**11.0**
Second Semester		
EMS-092	Fundamentals Paramedicine IV * +++	2.0
EMS-094	Paramedical Care Skills IV * +++	3.0
EMS-098	Parmedic Capstone Internship * +++	1.5
	SEMESTER TOTALS	**6.5**
	TOTAL PROGRAM HOURS	**41.5**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
++++ Course offered in summer term only
+ Course only offered fall semester

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Faculty Contact: Jasmine Ballard
Faculty Email: jballard9365@lakelandcollege.edu
Faculty Phone: 217-234-5370

PARAPROFESSIONAL EDUCATION

(CRT.PRPRO) CERTIFICATE

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.

FIRST YEAR

First Semester		**Hours**
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
EDU-100	Introduction to Education ^^^	3.0
LIT-150	Children's Literature *	3.0
ECE-095	Creative Activities/Children	4.0
MAT-118	Math for Elem Teachers I *	3.0
ECE-110	Child Behavior Management	3.0
	SEMESTER TOTALS	**19.0**
Second Semester		
EDU-103	Teaching/Learning W/Technology	3.0
PSY-274	Child Development	3.0
SPE-111	Intro to Speech Communication	3.0
EDU-190	Introduction/Special Education	3.0
MAT-218	Math for Elem Teachers II *	3.0
--- ---	Electives ^^	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**37.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
^^ Consult Academic Advisor for appropriate course

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

Faculty Contact: Teresa Lang
Faculty Email: tlang@lakelandcollege.edu
Faculty Phone: 217-234-5426

PARAPROFESSIONAL EDUCATOR

(AAS.PRPRO) ASSOCIATE IN APPLIED SCIENCE

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.

ECE 120 and 125 must be taken the same semester.

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

FIRST YEAR

First Semester		Hours
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
EDU-100	Introduction to Education ^^^	3.0
LIT-150	Children's Literature *	3.0
EDU-103	Teaching/Learning W/Technology	3.0
MAT-118	Math for Elem Teachers I *	3.0
ECE-110	Child Behavior Management	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
PSY-274	Child Development	3.0
SPE-111	Intro to Speech Communication	3.0
EDU-190	Introduction/Special Education	3.0
MAT-218	Math for Elem Teachers II *	3.0
ECE-083	Instructional Methods	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
BIO-100	Bio Science I	4.0
ENG-121	Composition II	3.0
ECE-102	Health/Safety/Nutri/Yng Child	3.0
PSY-271	Intr/Psychology	3.0
ECE-095	Creative Activities/Children	4.0
	SEMESTER TOTALS	**17.0**
Second Semester		
HUM-150	Humanities Through the Arts	3.0
EDU-200	Educational Psychology	3.0
EDU-210	Diversity/Schools & Societies	3.0
ECE-120	Field Experience Seminar *	1.0
ECE-125	Field Experience *	3.0
--- ---	Electives ^^	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**66.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
^^ Consult Academic Advisor for appropriate course

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Faculty Contact: Teresa Lang
Faculty Email: tlang@lakelandcollege.edu
Faculty Phone: 217-234-5426

PHYSICAL THERAPIST ASSISTANT - TRACK

(AAS.PTA.TRK) ASSOCIATE IN LIBERAL STUDIES

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

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 Kluthe Center for Higher Education and Technology 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, 1111 North Fairfax Street, Alexandria, Virginia 22314; 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 2028. 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 Intent to Enroll form 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.

FIRST YEAR

First Semester		Hours
PTA-080	Fundamentals of PTA I * +	4.0
PTA-081	PTA Clinical Practicum I * +	1.0
PTA-083	Medical Terminology for PTA * +	2.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-225	Human Ana/Phys I *	4.0
PHY-110	Concepts of Physics	4.0
	SEMESTER TOTALS	**18.0**
Second Semester		
PTA-082	Fundamentals of PTA II * +++	6.0
BIO-226	Human Ana/Phys II *	4.0
PED-244	Kinesiology * +++	4.0
PTA-084	PTA Pathology * +++	3.0
	SEMESTER TOTALS	**17.0**
Summer Term		
PTA-085	PTA Clinical Practicum III * ++++	2.0
PTA-086	Neurology for the PTA * ++++	2.0
	SEMESTER TOTALS	**4.0**

SECOND YEAR

First Semester		Hours
PTA-094	Fundamentals of PTA III * +	6.0
PTA-095	Orthopedic Concepts & Appl * +	4.0
PTA-097	PTA Clinical Practicum IV * +	3.0
	SEMESTER TOTALS	**13.0**
Second Semester		
PTA-096	Fundamentals of PTA IV * +++	5.0
PTA-099	PTA Clinical Practicum V * +++	4.0
PTA-098	PTA Seminar * +++	2.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**66.0**

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

NRA

PLASTICS MANUFACTURING TECHNICIAN

(CRT.PLMT) CERTIFICATE

This certificate prepares students for entry level jobs in the plastics industry. Significant time with injection and extrusion molding processes and equipment coupled with basic maintenance and automation skills allows for several positions in plastics manufacturing.

FIRST YEAR

First Semester		Hours
EET-040	Applied D.C. Circuits	2.5
TEC-050	Technical Math I	2.0
PLM-040	Introduction to Plastics	3.0
MMP-042	Manufacturing Maintenance II	3.0
TEC-040	Blueprint Reading/Industry I	2.5
CIM-044	Industrial Robotics	2.0
	SEMESTER TOTALS	**15.0**
Second Semester		
PLM-041	Injection Molding	3.0
PLM-042	Extrusion Forming	3.0
ENG-050	Writing for Industry	3.0
IND-060	Industrial Valves	3.0
TEC-076	Inspection and Quality Control	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**30.0**

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

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

PRACTICAL NURSING - TRACK

(CRT.PN.TRK) ASSOCIATE IN LIBERAL STUDIES

The Practical Nursing Certificate Track (CRT.PN.TRK) prepares the student for acceptance into the Practical Nursing (PN) program. The PN program is a competitive, special admission program.

Interested students should submit an Intent to Enroll to the college and list the Academic Program as CRT.PN.TRK. Then, follow the PN Application Checklist carefully for instructions about the application procedure. Students who select this academic program will be assigned a nursing faculty advisor. Once formally accepted into the PN program, the nursing department will change the program code as CRT.PN.

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

Applicants must have a completed nursing application on file in the nursing department by March 1. Applicants will be notified via email of tentative acceptance/denial within six weeks of the deadline.

Admission is competitive and selective using an objective formula. Selection criteria includes the date on the Admission Application and the HESI A2 Admissions Assessment Exam score. Download the PN Application Checklist from the website for the complete application procedure.

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

Admission Criteria

The following must be completed before the March 1st deadline:

1. Complete an Intent to Enroll for Lake Land College. (Note: acceptance to the college does not guarantee admission into the PN program.)
2. Complete the online Nursing Admission Application indicating interest in the Practical Nursing program.
3. Achieve satisfactory scores on the Lake Land College Placement test, SAT, or ACT to determine eligibility to take the HESI A2 Admissions Assessment exam. See PN Application Checklist for details.
4. Achieve a satisfactory score of 70 on the HESI A2 Admissions Assessment exam. If the exam is repeated the most recent score is used. To ensure a completed application the HESI A2 Admissions Assessment exam should be taken in the fall prior to the March 1 application deadline. Exam scores are valid for 5 years.
5. High school students are selected for the Partnership for Career and College Success (PCCS) curriculum should refer to the PCCS PN Application Checklist for details.

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

Faculty Contact: Cheryl Beam
Faculty Email: cbeam@lakelandcollege.edu
Faculty Phone: 217-2345452

PRACTICAL NURSING

(CRT.PN) CERTIFICATE

The Practical Nursing program is a three semester program including classroom, skills laboratory, and clinical experience in a variety of healthcare agencies. Upon successful completion of the program, the graduate may 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) and fully accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Rd NE, Suite 850, Atlanta,GA 30326; Phone: 404-975-5000, Fax: 404-975-5020.

Acceptance

Acceptance is tentative pending completion/receipt of the following:

1. Completed Lake Land College nursing program physical exam, proof of immunizations, and current CPR certification. (Note: CPR and immunizations must remain current throughout the program).
2. Completed background check.
3. Maintain an overall grade point average of 2.00.

Cost In addition to tuition and fees, costs for the PN program include: textbooks, uniforms, supplies, physical examination and immunizations, background check, drug screening and transportation to clinical experiences. Additional expenses upon successful completion of the program include NCLEX-PN test fees and PN license fees.

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

FIRST YEAR

First Semester		**Hours**
PNC-049	Found of Nursing +	6.0
PNC-050	Practical Nursing I +	10.0
	SEMESTER TOTALS	**16.0**
Second Semester		
PNC-052	Practical Nursing II +++	15.0
PNC-053	Basic Pharmacology I +++	2.0
	SEMESTER TOTALS	**17.0**
Summer Term		
PNC-054	Practical Nursing III	7.0
PNC-055	Basic Pharmacology II	1.0
	SEMESTER TOTALS	**8.0**
	TOTAL PROGRAM HOURS	**41.0**

+ Course only offered fall semester
+++ Course only offered spring semester

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

Faculty Contact: Cheryl Beam
Faculty Email: cbeam@lakelandcollege.edu
Faculty Phone: 217-234-5452

PRODUCTION TECHNICIAN

(AAS.PRTE) ASSOCIATE IN APPLIED SCIENCE

Production Technician (PRTE) program is designed to give the student a wide background in the basic mechanical and electrical skills applicable to several types of manufacturing. These skills include hydraulics, pneumatics, CAD, AC/DC circuits, industrial controls, motors, and PLCs. Two semesters of SOEs are incorporated into this degree to allow the student to gain real-life experience in industry.

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

FIRST YEAR

First Semester		Hours
TEC-040	Blueprint Reading/Industry I	2.5
TEC-043	Industrial Safety	1.0
IND-044	Fluid Power	3.0
TEC-050	Technical Math I (Mod 1)	2.0
TEC-052	Technical Math II (Mod 2) *	2.0
MET-040	D.C. Circuits (Mod 1)	2.5
MET-042	A.C. Circuits (Mod 2) *	2.5
	SEMESTER TOTALS	**15.5**
Second Semester		
MTT-050	Intro to Machining Procedures (Mod 2)	3.0
TEC-054	Technical Math III (Mod 1) *	2.0
EET-072	Relays and Control Circuits (Mod 1) * +	2.0
EET-086	Prog Logic Controllers I (Mod 2) * +	2.0
SFS-101	Strategies for Success	2.0
EET-074	Supervised Occupational Exp	3.0
	SEMESTER TOTALS	**14.0**

SECOND YEAR

First Semester		Hours
EET-087	Prog Logic Controllers II	2.0
CIM-044	Industrial Robotics	2.0
ENG-050	Writing for Industry	3.0
CAD-056	CAD I	2.0
HED-178	Responding to Emergencies	2.0
MET-043	Motors and Generators (Mod1) *	2.5
IND-042	Pipefitting Procedures	1.0
	SEMESTER TOTALS	**14.5**
Second Semester		
IND-054	Trouble Shooting & Prev Maint * +++	3.0
MET-045	Mechanical Drive Systems	2.0
CIM-060	CNC Machining	3.0
EET-075	HMI-Human Machine Interface	2.0
--- ---	Social Science Elective ++	3.0
MET-076	Supervised Occupational Exp	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**60.0**

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+ Course only offered fall semester
+++ Course only offered spring semester
++ Course only offered spring and summer semester

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

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

PROFESSIONAL SALES

(CRT.SALES) CERTIFICATE

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.

FIRST YEAR

First Semester		Hours
BUS-090	Prin of Retailing ++++ or	
BUS-142	Introduction to Business	3.0
BUS-247	Principles of Marketing	3.0
BUS-092	Principles of Selling	3.0
BUS-141	Business Communications	3.0
CIS-160	Practical Software Application	3.0
BUS-094	Business Math	3.0
--- ---	Career Elective **	3.0
--- ---	Career Elective **	3.0
	SEMESTER TOTALS	**24.0**
	TOTAL PROGRAM HOURS	**24.0**

++++ Course offered in summer term only
** Electives must be approved by the Program Coordinator

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

Faculty Contact: John Carpenter
Faculty Email: jcarpent@lakelandcollege.edu
Faculty Phone: 217-234-5347

PROGRAMMABLE LOGIC CONTROLLERS

(NDP.PLC) CERTIFICATE

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
EET-086	Prog Logic Controllers I *	2.0
EET-087	Prog Logic Controllers II *	2.0
EET-075	HMI-Human Machine Interface *	2.0
	SEMESTER TOTALS	**6.0**
	TOTAL PROGRAM HOURS	**6.0**

* There are prerequisites, course requisites, 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

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 Radio/TV Broadcasting.

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

FIRST YEAR

First Semester		**Hours**
RTV-150	Introduction to Broadcasting +	3.0
RTV-155	Radio TV Announcing +	3.0
RTV-070	Radio Production Lab * +	5.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
RTV-160	Radio Station Operation +++	5.0
RTV-165	Broadcast Writing +++	4.0
RTV-175	Broadcast Sales +++	3.0
RTV-185	Advanced Radio Production * +++	4.0
--- ---	Career Elective	3.0
	SEMESTER TOTALS	**19.0**
	TOTAL PROGRAM HOURS	**33.0**

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

Call Counseling Services: 217-234-5232
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RADIO/TV BROADCASTING

(AAS.RTV) ASSOCIATE IN APPLIED SCIENCE

Radio/TV Broadcasting 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 Radio/TV 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, a non-linear digital video editing system and a radio control console. Students will also be proficient in the effective techniques of radio and television 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 television studio, by using television field equipment and through the use of audio and video digital editing systems. Internships at local radio and television stations 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 Radio-TV 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
RTV-150	Introduction to Broadcasting +	3.0
RTV-155	Radio TV Announcing +	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
RTV-160	Radio Station Operation +++	5.0
RTV-165	Broadcast Writing +++	4.0
ESC-102	Weather and Climate	4.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
RTV-180	Basic TV Production +	3.0
RTV-070	Radio Production Lab * +	5.0
ECO-130	The American Economy or	
ECO-231	Principles of Econ I (Macro)	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**17.0**

Second Semester		
RTV-175	Broadcast Sales +++	3.0
RTV-185	Advanced Radio Production * +++	4.0
HIS-156	History of the U.S. II	3.0
--- ---	Elective	3.0
SFS-101	Strategies for Success or	
HED ---	Health Elective or	
PED ---	P.E. Elective	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**63.0**

SUGGESTED ELECTIVES

RTV-072	Fall Sportscasting +	1.0
SPE-200	Interpersonal Communication * +	3.0
SPE-220	Persuasive Speaking *	3.0
ITT-068	Digital Video Effects +++	3.0
RTV-073	Spring Sportscasting +++	2.0
RTV-082	Fall Athletic Announcing +	1.0
RTV-083	Spring Athletic Announcing +++	2.0
POS-160	American National Government	3.0
SPE-213	Intro/Group Discussion * +	3.0
CIS-099	Web Page Design *	3.0
CIS-066	Digital Video Production +	3.0

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

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RENEWABLE ENERGY

(AAS.RNRG) ASSOCIATE IN APPLIED SCIENCE

This program prepares students for entry level positions into the field of renewable energy technicians and technical maintenance. Emphasis is placed on "green" technologies including electricity, physics, chemistry, wind, photovoltaics, solar thermal, bioenergy, energy efficiency, and smart grid technology. There is a critical skill shortage of trained workers knowledgeable with issues relating specifically to renewable energy and who can troubleshoot renewable energy systems.

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

FIRST YEAR

First Semester		Hours
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
TEC-050	Technical Math I	2.0
TEC-052	Technical Math II *	2.0
TEC-057	Intro to Renewable Energy	3.0
WND-040	Intro to Wind Technology	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-050	Writing for Industry or	
ENG-098	Communications I or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
IND-042	Pipefitting Procedures *	1.0
IND-062	Rigging and Hoisting *	1.0
TEC-043	Industrial Safety *	1.0
CIS-160	Practical Software Application	3.0
TEC-058	Alternative Energy	3.0
EET-068	Photovoltaic Systems *	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
EET-072	Relays and Control Circuits	2.0
EET-086	Prog Logic Controllers I	2.0
PHY-110	Concepts of Physics	4.0
TEC-054	Technical Math III	2.0
TEC-056	Technical Math IV	2.0
	SEMESTER TOTALS	**15.0**

Second Semester		
TEC-064	Bioenergy	3.0
ECO-231	Principles of Econ I (Macro)	3.0
TEC-063	Electric Power Distribution	3.0
--- ---	Technical Electives	6.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**60.0**

SUGGESTED ELECTIVES

EET-070	Photovoltaic Technician	2.0
WND-041	Wind Technology Maintenance I *	3.0
TEC-059	Energy Management	2.0
TEC-068	Sp Topics Renewable Energy	0.5
TEC-069	Site Assessment/Renew Energy	2.0
CAD-056	CAD I	2.0
IND-044	Fluid Power	3.0
MET-043	Motors and Generators	2.5
MTT-050	Intro to Machining Procedures	3.0
WEL-056	Metal Cutting and Fabrication *	2.0
EET-052	Solid State Circuits	4.0
WEL-057	Welding Fundamentals	2.5
EET-075	HMI-Human Machine Interface	2.0
EET-087	Prog Logic Controllers II	2.0

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

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RENEWABLE ENERGY MANAGEMENT

(CRT.REMG) CERTIFICATE

This program prepares students for entry level into the field of renewable energy sales, marketing, management, and administration. Emphasis is placed on "green" technologies including electricity, wind, photovoltaics, solar thermal, bioenergy, energy efficiency, and smart grid technology. There is a critical skill shortage of trained workers knowledgeable with issues relating specifically to renewable energy and who can act in support roles.

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

FIRST YEAR

First Semester		Hours
BUS-142	Introduction to Business	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I * or	
BUS-141	Business Communications *	3.0
ECO-231	Principles of Econ I (Macro) or	
BUS-247	Principles of Marketing	3.0
TEC-057	Intro to Renewable Energy	3.0
	Technical Elective **	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
TEC-053	Technical Project Management	3.0
ECO-232	Prin Economics II (Micro) *	3.0
BUS-251	Principles of Management or	
SPE-111	Intro to Speech Communication	3.0
TEC-058	Alternative Energy	3.0
	Technical Electives	6.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**33.0**

SUGGESTED ELECTIVES

EET-065	Home Technology Integration	3.0
EET-070	Photovoltaic Technician	2.0
WND-040	Intro to Wind Technology	3.0
WND-041	Wind Technology Maintenance I *	3.0
WND-042	Twr Rescue & Competent Climber *	0.5
TEC-057	Intro to Renewable Energy	3.0
TEC-058	Alternative Energy	3.0
TEC-059	Weatherization Tech/Installer	3.0
TEC-061	Solar Energy	3.0
TEC-062	Solar Thermal Applications	2.0
TEC-063	Electric Power Distribution *	3.0
TEC-064	Bioenergy	3.0
TEC-065	Energy Efficiency	3.0
TEC-066	Resource Sustainability	3.0
TEC-067	Smart Grid Introduction	3.0
TEC-068	Sp Topics Renewable Energy	0.5
TEC-069	Site Assessment/Renew Energy	2.0
CAD-063	Wind Energy Design	3.0
CAD-056	CAD I	2.0
EET-069	Residential Wiring I *	3.0
EET-072	Industrial Control I *	2.0
EET-086	Prog Logic Controllers I *	2.0
IND-044	Fluid Power	3.0
IND-062	Rigging and Hoisting	1.0
MET-043	Motors and Generators *	2.5
MTT-050	Intro to Machining Procedures	3.0
TEC-040	Blueprint Reading/Industry I	2.5
IND-042	Pipefitting Procedures	1.0
WEL-056	Metal Cutting and Fabrication *	2.0

* There are prerequisites, course requisites, or minimum placement test scores for this course.
** Electives must be approved by the Program Coordinator

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RENEWABLE ENERGY TECHNICIAN

(CRT.RENEW) CERTIFICATE

This program prepares students for entry level positions into the field of renewable energy technicians and technical maintenance. Emphasis is placed on "green" technologies including electricity, physics, chemistry, wind, photovoltaics, solar thermal, bioenergy, energy efficiency, and smart grid technology. There is a critical skill shortage of trained workers knowledgeable with issues relating specifically to renewable energy and who can troubleshoot renewable energy systems.

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

FIRST YEAR

First Semester		Hours
TEC-057	Intro to Renewable Energy	3.0
IND-044	Fluid Power	3.0
EET-040	Applied D.C. Circuits	2.5
EET-050	Applied A.C. Circuits *	2.5
TEC-048	Applied Shop Computations	3.0
TEC-043	Industrial Safety	1.0
WND-040	Intro to Wind Technology	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
EET-072	Industrial Control I	2.0
IND-052	Electrical Installation Proc * +++	2.5
EET-086	Prog Logic Controllers I * +++	2.0
--- ---	Technical Elective	2.5
EET-068	Photovoltaic Systems *	3.0
WND-041	Wind Technology Maintenance I *	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**33.0**

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

SUGGESTED ELECTIVES

BUS-089	Small Business Management	3.0
CAD-056	CAD I	2.0
EET-069	Residential Wiring I	3.0
EET-070	Photovoltaic Technician	2.0
EET-075	HMI-Human Machine Interface	2.0
IND-054	Trouble Shooting & Prev Maint	3.0
IND-062	Rigging and Hoisting	1.0
MET-043	Motors and Generators	2.5
WEL-057	Welding Fundamentals	2.5

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Faculty Phone: 217-234-5313

RESIDENTIAL WIRING

(NDP.RSWR) CERTIFICATE

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
TEC-050	Technical Math I (Module 1)	2.0
TEC-052	Technical Math II (Module 2) *	2.0
IND-046	Concepts of Electricity +	3.0
	SEMESTER TOTALS	**7.0**
Second Semester		
TEC-043	Industrial Safety	1.0
EET-069	Residential Wiring I * +++	3.0
	SEMESTER TOTALS	**4.0**
	TOTAL PROGRAM HOURS	**11.0**

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

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Faculty Email: kkersey@lakelandcollege.edu
Faculty Phone: 217-234-5304

ROBOTIC & AUTOMATED MANUFACTURING

(AAS.CIM) ASSOCIATE IN APPLIED SCIENCE

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 industry recognized certificates from Fanuc, OSHA, AutoCad, 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
TEC-050	Technical Math I (Module 1)	2.0
TEC-052	Technical Math II (Module 2) *	2.0
CAD-056	CAD I	2.0
EET-040	Applied D.C. Circuits	2.5
ENG-098	Communications I or	
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
EET-050	Applied A.C. Circuits	2.5
TEC-103	Engineering Graphics	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
CAD-057	CAD II *	3.0
TEC-054	Technical Math III (Module 1) *	2.0
--- ---	Social Science Elective	2.0
MTT-050	Intro to Machining Procedures	3.0
CIM-060	CNC Machining * +++	3.0
WEL-057	Welding Fundamentals	2.5
	SEMESTER TOTALS	**15.5**

SECOND YEAR

First Semester		Hours
EET-086	Prog Logic Controllers I	2.0
HED-178	Responding to Emergencies	2.0
CIM-044	Industrial Robotics +	2.0
CIM-092	Computer-Aided Manufacturing * +	3.0
IND-044	Fluid Power	3.0
TEC-070	Properties of Metal	2.5
EET-072	Industrial Control I	2.0
	SEMESTER TOTALS	**16.5**

Second Semester		
EET-087	Prog Logic Controllers II *	2.0
CAD-062	Introduction to Solidworks	2.0
MET-084	Technical Mechanisms *	3.0
CIM-094	Computer Integrated Manf * +++	3.0
--- ---	Social Science Elective	3.0
EET-075	HMI-Human Machine Interface	2.0
--- ---	Technical Elective	0.5
	SEMESTER TOTALS	**15.5**
	TOTAL PROGRAM HOURS	**64.5**

SUGGESTED ELECTIVES

CAD-058	CAD Drafting Systems * +	2.0
CAD-059	Special Applications of CAD * +++	3.0
CAD-075	Supervised Occupational Exp	3.0
EET-052	Solid State Devices	4.0
EET-056	Electronic Design/Fabrication	3.0
EET-060	Computer Hardware	3.0
EET-063	Industrial Computer Systems	3.0
IND-052	Electrical Installation Proc	2.5
MET-043	Motors and Generators	2.5
WEL-047	Shielded Metal Arc Welding I	2.0
WEL-056	Metal Cutting and Fabrication	2.0
WEL-058	Gas Metal Arc Welding I	2.0
WEL-061	Gas Tungsten Arc Welding	3.0
CAD-060	3D Solid Modeling	3.0
CAD-061	3D Parametric Design	3.0
TEC-043	Industrial Safety	1.2

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

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SUSTAINABLE ENERGY

(NDP.SNRG) CERTIFICATE

The Sustainable Energy certificate is a broad survey of the emerging technologies for renewable and alternative energy and the potential for their development and use. Students will be able to describe the types of renewable and alternative energy, how it is generated, and the potential for energy development. Completing the certificate will develop a foundational understanding of renewable energy that can be used for more advanced coursework or to gain entry-level employment in the emerging green technology field.

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

FIRST YEAR

First Semester		**Hours**
TEC-057	Intro to Renewable Energy	3.0
	SEMESTER TOTALS	**3.0**
Second Semester		
TEC-058	Alternative Energy	3.0
	SEMESTER TOTALS	**3.0**
	TOTAL PROGRAM HOURS	**6.0**

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TV FIELD/STUDIO PRODUCTION

(NDP.TVFS) CERTIFICATE

Students will gain experience with the equipment used in studio and on-location television productions and learn to work as a director, non-linear 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 Radio/TV Broadcasting.

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

FIRST YEAR

First Semester		**Hours**
RTV-150	Introduction to Broadcasting +	3.0
RTV-155	Radio TV Announcing +	3.0
RTV-180	Basic TV Production +	3.0
	SEMESTER TOTALS	**9.0**
Second Semester		
RTV-165	Broadcast Writing +++	4.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Independent Study-Advanced TV Production ** or	
CIS-066	Digital Video Production	3.0
--- ---	Career Elective	3.0
	SEMESTER TOTALS	**13.0**
	TOTAL PROGRAM HOURS	**22.0**

+ Course only offered fall semester
+++ Course only offered spring semester
** Electives must be approved by the Program Coordinator

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WELDING

(AAS.WEL) ASSOCIATE IN APPLIED SCIENCE

This program provides experiences which 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, oxy-acetylene welding, metal cutting processes, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding (including stainless steel and aluminum), machining, and blueprint reading. Students will gain valuable hands-on experience as they complete a minimum of 375 clock hours of Supervised Occupational Experience at an industry location.

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

FIRST YEAR

First Semester		Hours
TEC-048	Applied Shop Computations	3.0
TEC-040	Blueprint Reading/Industry I	2.5
TEC-043	Industrial Safety	1.0
TEC-070	Properties of Metal	2.5
WEL-056	Metal Cutting and Fabrication	2.0
WEL-057	Welding Fundamentals	2.5
	SEMESTER TOTALS	**13.5**

Second Semester		
WEL-047	Shielded Metal Arc Welding I *	2.0
WEL-048	Shielded Metal Arc Welding II *	3.0
WEL-058	Gas Metal Arc Welding I *	2.0
WEL-059	Gas Metal Arc Welding II *	3.0
WEL-061	Gas Tungsten Arc Welding *	3.0
	SEMESTER TOTALS	**13.0**

Summer Term		
WEL-074	Welding S.O.E.	5.0
	SEMESTER TOTALS	**5.0**

SECOND YEAR

First Semester		Hours
WEL-055	Pipefitting & Welding *	3.0
MTT-050	Intro to Machining Procedures	3.0
SOS-050	Human Relations	2.0
ENG-050	Writing for Industry	3.0
--- ---	Social Science Elective	3.0
	SEMESTER TOTALS	**14.0**

Second Semester		
WEL-060	Gas Metal Arc Welding III * +++	3.0
WEL-053	Gas Tung Arc Welding/Alum * +++	4.0
WEL-054	Gas Tung Arc/Ss * +++	2.0
IND-062	Rigging and Hoisting +++	1.0
SPE-111	Intro to Speech Communication	3.0
HED-178	Responding to Emergencies	2.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**60.5**

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

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WELDING TECHNOLOGY

(CRT.WEL) CERTIFICATE

This program provides experiences which enable students to develop competencies necessary for employment in and/or continued education in welding. Emphasis throughout the program is placed on developing skills in the following areas: safety, metal identification, oxy-acetylene welding, metal cutting processes, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, and blueprint reading.

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

FIRST YEAR

First Semester		**Hours**
TEC-048	Applied Shop Computations	3.0
WEL-057	Welding Fundamentals	2.5
TEC-043	Industrial Safety	1.0
TEC-070	Properties of Metal	2.5
TEC-040	Blueprint Reading/Industry I	2.5
WEL-056	Metal Cutting and Fabrication	2.0
	SEMESTER TOTALS	**13.5**
Second Semester		
WEL-047	Shielded Metal Arc Welding I *	2.0
WEL-048	Shielded Metal Arc Welding II *	3.0
WEL-058	Gas Metal Arc Welding I *	2.0
WEL-059	Gas Metal Arc Welding II *	3.0
WEL-061	Gas Tungsten Arc Welding *	3.0
	SEMESTER TOTALS	**13.0**
	TOTAL PROGRAM HOURS	**26.5**

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

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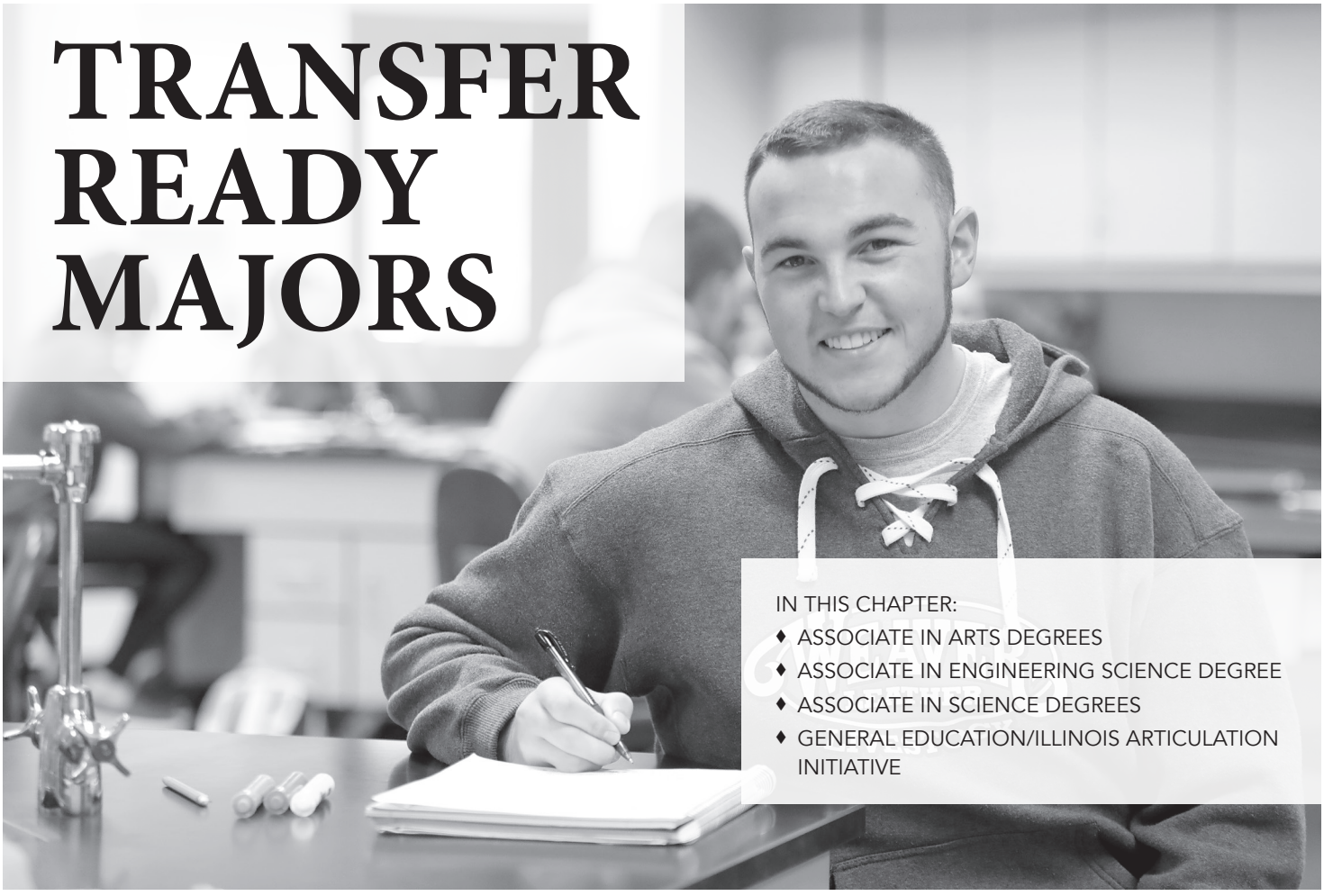
TRANSFER READY MAJORS



IN THIS CHAPTER:

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

ASSOCIATE IN ARTS DEGREES

CODE	TITLE	PAGE #
AA.AGR	Agriculture	137
AA.ART	Art	138
AA.BA	Business	141
AA.BE	Business Education	142
AA.SPCH	Communication Studies	145
AA.CJS	Criminal Justice	148
AA.ECHED	Early Childhood Education	149
AA.ECO	Economics	151
AA.ELED	Elementary Education	152
AA.ENG	English	153
AA.HEAED	Health Education	155
AA.HIS	History	156
AA.LAS	Liberal Arts	157
AA.MATH	Mathematics	158
AA.MAED	Mathematics Education	159
AA.OTH	Other Major	160
AA.PHYED	Physical Education	161
AA.PS	Political Science	163
AA.PNUR	Pre-Nursing	168
AA.PVET	Pre-Veterinary Medicine	171
AA.PSY	Psychology	172
AA.REC	Recreation	173
AA.SCED.BIO	Secondary Education – Biology	174
AA.SSW	Sociology/Social Work	177
AA.SPED	Special Education	178
AA.UND	Undecided	179

ASSOCIATE IN SCIENCE DEGREES

CODE	TITLE	PAGE #
AS.BIOL	Bioscience Non-Teaching	140
AS.CHEM	Chemistry	142
AS.CLSC	Clinical Laboratory Science	144
AS.CONSF	Conservation/Pre-Forestry	146
AS.CONSW	Conservation/Pre-Wildlife	147
AS.EASC	Earth Science	150
AS.ENSC	Environmental Science	154
AS.PHYS	Physics	162
AS.PCHI	Pre-Chiropractic	164
AS.PDEN	Pre-Dental	165
AS.PENG	Pre-Engineering	166
AS.PMED	Pre-Medicine	167
AS.PPHM	Pre-Pharmacy	169
AS.PPTH	Pre-Physical Therapy	170
AS.SCED.CHM	Secondary Education – Chemistry	174
AS.SCED.PHY	Secondary Education – Physics	176

ASSOCIATE IN ENGINEERING SCIENCE DEGREE

CODE	TITLE	PAGE #
AES.ENGR	Associate In Engineering Science	139

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

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.

ILLINOIS ARTICULATION INITIATIVE APPROVED COURSES

COMMUNICATIONS (IAI C)

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

A grade of "C" or better is required in Composition I and II (ENG 120, 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)
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/Chemistry	(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	Biological Science I	(L1 900L)
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 & Culture of the Third World	(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)
HUM 151	Nature in the Humanities	(H9 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	Introduction to International Relations	(S5 904)
PSY 271	Introduction 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)
SOC 290	Sociology of Family	(S7 902)
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)

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.

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.

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

Pathway 1 for the majors of Art, Business Education, Criminal Justice, Earth Science, English, Health Education, History, Liberal Arts, Other, Physical Education, Political Science, Pre-Nursing, Psychology, Recreation, Secondary Education Biology, Sociology/Social Work, Speech Communication, Undecided

Pathway 2 for the majors of: Early Childhood Education, Elementary Education, Special Education

Pathway 3 for the majors of: Agriculture, Business Administration, Economics

Pathway 4 for the majors of: Engineering, Biology Non-Teaching, Chemistry, Clinical Lab Science, Conservation/Pre-Wildlife, Environmental Science, Mathematics, Math Education, Pre-Chiropractic, Pre-Dental, Pre-Engineering, Physics, Pre-Med, Pre-Physical Therapy, Pre-Vet, Secondary Education-Chemistry, Secondary Education-Physics

AGRICULTURE

(AA.AGR) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
MAT-130	College Algebra *	3.0
AGR-206	Intro/Animal Science	4.0
PSY-271	Intr/Psychology or	
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
MAT-210	Finite Mathematics * or	
MAT-211	Math Analysis *	3.0
AGR-205	Intro/Soil Science	4.0
ECO-231	Principles of Econ I (Macro)	3.0
HIS-252	West Civil/1660-Present or	
--- ---	Humanities and Fine Arts (IAIH)	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
CHM-120	Gen, Organic & Biochemistry I or	
CHM-150	General Chemistry I *	4.0
AGR-207	Intro/Ag Economics	4.0
HIS-153	History/Culture of Third World or	
--- ---	Humanities and Fine Arts (IAI H)	3.0
AGR-208	Intro/Ag Mechanization or	
HRT-201	Introduction to Horticulture	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
CHM-121	Gen, Organic & Biochemistry II * or	
CHM-151	General Chemistry II *	4.0
ART-250	Understanding Art or	
--- ---	Humanities and Fine Arts (IAI H)	3.0
POS-160	American National Government * or	
--- ---	Social/Behavior Science (IAI S)	3.0
AGR-204	Prin/Field Crop Science	4.0
	SEMESTER TOTALS	**14.0**
	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 scores.

* There are prerequisites, course requisites, 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

SCAN ME

MATH PATHWAY

ART

(AA.ART) ASSOCIATE IN ARTS

This curriculum is for students interested in careers in fine artistry, education, printmaking, illustration, and design and 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
ART-100	Drawing I +	3.0
ART-110	2-D Design	3.0
ART-260	Art History I +	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics * or	
MAT-115	General Education Pathway or	
MAT-116	General Education Math *	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ART-200	Drawing II * +++	3.0
ART-225	Ceramics I +++	3.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
ART-261	Art History II +++	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
ART-111	3-D Design +	3.0
ENG-121	Composition II *	3.0
ART-205	Painting * +	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ART-161	Printmaking I +++	3.0
ART-206	Painting II * +++	3.0
--- ---	Social/Behavior Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Electives	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

ART-240	Art and Gender	3.0
ART-250	Understanding Art	3.0
HUM-150	Humanities Through the Arts	3.0
LIT-130	Intro to Literature	3.0
LIT-147	Introduction to Fiction	3.0
HUM-181	Intro to Film Appreciation	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 scores.

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

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Faculty Email: jbirdwell45155@lakelandcollege.edu
Faculty Phone: 217-234-5466

SCAN ME

MATH PATHWAY

ASSOCIATE IN ENGINEERING SCIENCE

(AES.ENGR) ASSOCIATE IN ENGINEERING SCIENCE

This curriculum is designed for students wanting to pursue a bachelor's degree in Engineering at the Univeristy of Illinois Champaign/Urbana. The University of Illinois requires specific minimum GPAs for entry into the various majors of engineering. Consult a counselor or academic advisor before registering.

Upon completion of this course sequence, engineering science students will receive an associate in engineering science degree.

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

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ECO-231	Principles of Econ I (Macro)	3.0
MAT-241	Analytical Geom-Calc I *	5.0
TEC-103	Engineering Graphics	3.0
CHM-150	General Chemistry I *	4.0
	SEMESTER TOTALS	**18.0**

Second Semester		
ENG-121	Composition II *	3.0
ECO-232	Prin Economics II (Micro) *	3.0
MAT-242	Analytical Geom-Calc II *	4.0
PHY-140	University Physics I * +++	4.0
CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
PHY-141	University Physics II * +	4.0
PHY-239	Mechanics I * +	3.0
MAT-151	C Program W/Engineering Appl * +	3.0
MAT-255	Linear Algebra * +	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
PHY-142	University Physics III * +++	4.0
MAT-243	Analytical Geom-Calc III * +++	4.0
MAT-245	Differential Equations * +++	3.0
PHY-240	Mechanics II * +++	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**69.0**

SUGGESTED ELECTIVES

HIS-153	History/Culture of Third World	3.0
HIS-250	Western Civil to 1660	3.0
HIS-252	West Civil/1660-Present	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 scores.

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

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SCAN ME

MATH PATHWAY

BIOSCIENCE NON-TEACHING

(AS.BIOL) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, bioscience non-teaching 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SPE-111	Intro to Speech Communication	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
CHM-151	General Chemistry II *	4.0
MAT-140	Algebra With Trigonometry *	5.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**19.0**

SECOND YEAR

First Semester		Hours
BIO-111	General Botany *	4.0
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
ESC-106	Intro Geographic Info Systems	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
MAT-241	Analytical Geom-Calc I *	5.0
BIO-212	Vertebrate Zoology * +++	3.0
BIO-130	Environmental Science	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**67.0**

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 scores.

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

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MATH PATHWAY

BUSINESS

(AA.BA) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-130	College Algebra *	3.0
--- ---	Life Science (IAI L)	4.0
PHI-290	Intro to Logic	3.0
BUS-142	Introduction to Business	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
CIS-160	Practical Software Application	3.0
MAT-210	Finite Mathematics *	3.0
--- ---	Physical Science (IAI P)	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
BUS-151	Financial Accounting *	3.0
BUS-200	Legal Environ/Business	3.0
--- ---	Elective	3.0
ECO-231	Principles of Econ I (Macro)	3.0
--- ---	Fine Arts (IAI F)	3.0
BUS-120	Business Career Development	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
BUS-152	Managerial Accounting *	3.0
BUS-281	Business Statistics *	3.0
ECO-232	Prin Economics II (Micro) *	3.0
--- ----	Humanities or Fine Arts (IAI H or IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	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 scores.

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

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Faculty Contact: Tynia Kessler
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Faculty Phone: 217-234-5351

MATH PATHWAY

BUSINESS EDUCATION

(AA.BE) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BUS-142	Introduction to Business	3.0
--- ---	Physical and Life Sciences (IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
ENG-121	Composition II *	3.0
CIS-160	Practical Software Application	3.0
--- ---	Physical and Life Sciences (IAI P)	3.0
SPE-111	Intro to Speech Communication	3.0
EDU-210	Diversity/Schools & Societies	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
BUS-151	Financial Accounting *	3.0
BUS-200	Legal Environ/Business	3.0
ECO-231	Principles of Econ I (Macro)	3.0
HIS-153	History/Culture of Third World	3.0
BUS-120	Business Career Development	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
BUS-152	Managerial Accounting *	3.0
ECO-232	Prin Economics II (Micro) *	3.0
POS-160	American National Government	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
EDU-100	Introduction to Education	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

BUS-141	Business Communications	3.0
PSY-271	Intr/Psychology	3.0
BUS-247	Principles of Marketing	3.0
BUS-251	Principles of Management	3.0
BUS-285	Labor Relations *	3.0
BUS-287	Intro International Business *	3.0
BUS-290	Human Resource Management *	3.0
CIS-101	Internet Systems/Applications	2.0

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 scores.

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

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MATH PATHWAY

CHEMISTRY

(AS.CHEM) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, chemistry 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
CHM-150	General Chemistry I *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
-- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
CHM-151	General Chemistry II *	4.0
MAT-242	Analytical Geom-Calc II *	4.0
ENG-121	Composition II *	3.0
PHY-140	University Physics I * +++	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
PHY-141	University Physics II * +	4.0
SPE-111	Intro to Speech Communication	3.0
BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
CHM-244	Organic Chemistry II * +++	4.0
CHM-254	Organic Chemistry Lab II * +++	1.0
MAT-243	Analytical Geom-Calc III * +++	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
PHY-142	University Physics III * +++	4.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**68.0**

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 scores.

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

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Faculty Contact: Gregory Capitosti
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SCAN ME

MATH PATHWAY

CLINICAL LABORATORY SCIENCE

(AS.CLSC) ASSOCIATE IN SCIENCE

The following courses are recommended for Clinical Laboratory Science students. These courses meet the Clinical Laboratory Science transfer requirements of the Illinois Articulation Initiative. Upon completion of this course sequence, Clinical Laboratory Science 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
CHM-151	General Chemistry II *	4.0
SPE-111	Intro to Speech Communication	3.0
ANT-200	General Anthropology	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
BIO-225	Human Ana/Phys I *	4.0
CHM-243	Organic Chemistry I *	4.0
CHM-253	Organic Chemistry Lab I *	1.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
MAT-130	College Algebra *	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
BIO-226	Human Ana/Phys II *	4.0
CHM-244	Organic Chemistry II *	4.0
CHM-254	Organic Chemistry Lab II *	1.0
BIO-111	General Botany *	4.0
PHI-280	Ethics	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**65.0**

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 scores.

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

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Faculty Phone: 217-234-5419

SCAN ME

MATH PATHWAY

COMMUNICATION STUDIES

(AA.SPCH) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
RTV-150	Introduction to Broadcasting	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
SPE-200	Interpersonal Communication	3.0
ENG-121	Composition II *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-213	Intro/Group Discussion * +	3.0
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
MAT-124	Statistics Pathway * or	
MAT-125	Statistics *	3.0
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
SPE-220	Persuasive Speaking *	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Electives	9.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

RTV-155	Radio TV Announcing +	3.0
RTV-160	Radio Station Operation +++	5.0
RTV-175	Broadcast Sales +++	3.0
RTV-165	Broadcast Writing +	4.0
RTV-180	Basic TV Production +	3.0
RTV-185	Advanced Radio Production +++	4.0
--- ---	Any Approved Elective/Career Elective	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 scores.

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

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Faculty Email: shortens@lakelandcollege.edu
Faculty Phone: 217-234-5271

SCAN ME

MATH PATHWAY

CONSERVATION/PRE-FORESTRY

(AS.CONSF) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, conservation/pre-foresty students will receive an associate in science degree.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-130	College Algebra * ^^	3.0
BIO-100	Bio Science I	4.0
CHM-120	Gen, Organic & Biochemistry I +	4.0
ECO-231	Principles of Econ I (Macro)	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
ECO-232	Prin Economics II (Micro)	3.0
MUS-150	Music in Amer History/Culture	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
BIO-111	General Botany *	4.0
BIO-160	Introduction to Genetics	3.0
AGR-205	Intro/Soil Science	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
BIO-212	Vertebrate Zoology * +++	3.0
BIO-130	Environmental Science	4.0
ESC-106	Intro Geographic Info Systems	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	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 scores.

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

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Faculty Phone: 217-234-5418

SCAN ME

MATH PATHWAY

CONSERVATION/PRE-WILDLIFE

(AS.CONSW) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, conservation/pre-wildlife students will receive an associate in science degree.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
CHM-151	General Chemistry II *	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
BIO-111	General Botany *	4.0
BIO-130	Environmental Science	4.0
ESC-106	Intro Geographic Info Systems	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
MAT-241	Analytical Geom-Calc I *	5.0
SPE-111	Intro to Speech Communication	3.0
BIO-212	Vertebrate Zoology * +++	3.0
--- ---	Electives ^^	4.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

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

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Email: counsel@lakelandcollege.edu

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

SCAN ME

MATH PATHWAY

CRIMINAL JUSTICE

(AA.CJS) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
CJS-150	Intro/Criminal Just	3.0
BIO-130	Environmental Science or	
BIO-100	Bio Science I	4.0
CIS-160	Practical Software Application	3.0
SOC-282	Social Problems or	
SOC-280	Introduction to Sociology	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
CJS-152	Criminal Investigation I	3.0
--- ---	Physical and Life Sciences (IAI P)	3.0
CJS-156	Criminal Law	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
CJS-166	Corrections	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S	3.0
CJS-160	Criminal Evidence & Procedure *	3.0
--- ---	Mathematics (IAI M) *	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
CJS-158	Juvenile Justice	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
HED-178	Responding to Emergencies	2.0
PSY-271	Intr/Psychology	3.0
--- ---	Elective ^^	1.0
	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 scores.

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

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Faculty Phone: 217-234-5328

SCAN ME

MATH PATHWAY

EARLY CHILDHOOD EDUCATION

(AA.ECHED) ASSOCIATE IN ARTS

This program is designed for students desiring to transfer to a university and obtain a Type 04 Illinois Teaching Certificate, Birth - Grade 3.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
HIS-155	History of the U.S. I or	
HIS-156	History of the U.S. II	3.0
BIO-100	Bio Science I	4.0
MAT-118	Math for Elem Teachers I *	3.0
EDU-100	Introduction to Education ^^^	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
EDU-210	Diversity/Schools & Societies	3.0
PHY-110	Concepts of Physics or	
CHM-111	Concepts of Chemistry	4.0
MAT-218	Math for Elem Teachers II *	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
PSY-274	Child Development	3.0
POS-160	American National Government	3.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Humanities and Fine Arts (IAI H) *	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
EDU-190	Introduction/Special Education	3.0
PED-172	Bsc Act Elem/Sec Child	2.0
EDU-103	Teaching/Learning W/Technology	3.0
HIS-153	History/Culture of Third World	3.0
MUS-229	Understanding Music or	
ART-250	Understanding Art	3.0
--- ---	Elective	3.0
	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

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Faculty Phone: 217-234-5471

MATH PATHWAY

EARTH SCIENCE

(AS.EASC) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, earth science students will receive an associate in science degree.

Consider earning a GIS certificate concurrently with this program. Consult your advisor.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ESC-102	Weather and Climate	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
BIO-130	Environmental Science	4.0
ESC-106	Intro Geographic Info Systems	4.0
	SEMESTER TOTALS	**18.0**
Second Semester		
ENG-121	Composition II *	3.0
ESC-100	Physical Geology	4.0
CET-065	Data Collection GIS Mapping	2.0
ESC-114	Advanced Vector GIS	3.0
--- ---	Math Elective ^^	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
GEO-140	World Geography	3.0
ESC-104	Physical Geography	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**12.0**
Second Semester		
SPE-111	Intro to Speech Communication	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives ^^	4.0
--- ---	Science Elective ^^	4.0
--- ---	Elective ^^	5.0
	SEMESTER TOTALS	**19.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHY-110	Concepts of Physics	4.0
CHM-111	Concepts of Chemistry	4.0
CIS-101	Internet Systems/Applications	2.0
CIS-160	Practical Software Application	3.0
MAT-130	College Algebra *	3.0
MAT-132	Trigonometry *	3.0
MAT-241	Analytical Geom-Calc I *	5.0

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 scores.

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

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SCAN ME

MATH PATHWAY

ECONOMICS

(AA.ECO) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ECO-231	Principles of Econ I (Macro)	3.0
MAT-130	College Algebra *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
MAT-210	Finite Mathematics *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
ECO-232	Prin Economics II (Micro) *	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Social/Behavioral Science (IAI S) *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
PSY-271	Intr/Psychology	3.0
MAT-211	Math Analysis *	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
--- ---	Social/Behavioral Science (IAI S)	3.0
BUS-281	Business Statistics *	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

MAT-241	Analytical Geom-Calc I	5.0

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 scores.

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

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Email: counsel@lakelandcollege.edu

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MATH PATHWAY

ELEMENTARY EDUCATION

(AA.ELED) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
HIS-155	History of the U.S. I or	
HIS-156	History of the U.S. II	3.0
PHY-110	Concepts of Physics or	
CHM-111	Concepts of Chemistry	4.0
MAT-118	Math for Elem Teachers I *	3.0
EDU-100	Introduction to Education ^^^	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
PSY-271	Intr/Psychology	3.0
BIO-100	Bio Science I	4.0
MAT-218	Math for Elem Teachers II *	3.0
EDU-103	Teaching/Learning W/Technology	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Area of Concentration	2.0
POS-160	American National Government	3.0
PSY-274	Child Development	3.0
--- ---	Social/Behavioral Science (IAI S) or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
HIS-153	History/Culture of Third World	3.0
EDU-210	Diversity/Schools & Societies	3.0
--- ---	Area of Concentration	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Humanities and Fine Arts (IAI H) *	3.0
ART-250	Understanding Art or	
MUS-229	Understanding Music	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 scores.

* There are prerequisites, course requisites, 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: Kimberly Davis
Faculty Email: kdavis9876@lakelandcollege.edu
Faculty Phone: 217-234-5471

SCAN ME

MATH PATHWAY

ENGLISH

(AA.ENG) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
LIT-130	Intro to Literature	3.0
MAT-115	General Education Pathway or	
MAT-116	General Education Math * or	
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
PHI-280	Ethics	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ENG-121	Composition II *	3.0
LIT-147	Introduction to Fiction	3.0
HUM-150	Humanities Through the Arts	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
PHI-290	Intro to Logic	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
FLG-140	Elem Spanish I	3.0
HUM-181	Intro to Film Appreciation	3.0
RTV-165	Broadcast Writing	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
PHI-232	World Religions	3.0
HUM-120	Myths and Legends	3.0
HUM-151	Nature in the Humanities *	3.0
ART-250	Understanding Art	3.0
FLG-141	Elem Spanish II	3.0
	SEMESTER TOTALS	**18.0**
	TOTAL PROGRAM HOURS	**65.0**

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 scores.

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

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

Faculty Contact: Salisa Olmsted
Faculty Email: shortens@lakelandcollege.edu
Faculty Phone: 217-234-5271

SCAN ME

MATH PATHWAY

ENVIRONMENTAL SCIENCE

(AS.ENSC) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, environmental science 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-111	General Botany *	4.0
CHM-151	General Chemistry II *	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
BIO-116	General Zoology *	4.0
BIO-130	Environmental Science	4.0
ESC-106	Intro Geographic Info Systems	4.0
MAT-140	Algebra With Trigonometry *	5.0
	SEMESTER TOTALS	**17.0**
Second Semester		
MAT-241	Analytical Geom-Calc I *	5.0
SPE-111	Intro to Speech Communication	3.0
BIO-212	Vertebrate Zoology * +++	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**65.0**

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 scores.

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

MATH PATHWAY

HEALTH EDUCATION

(AA.HEAED) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
HED-200	Principles of Health	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
BIO-100	Bio Science I	4.0
HUM-150	Humanities Through the Arts	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
HED-102	Nutrition	3.0
CHM-101	Physical Science II	3.0
MUS-229	Understanding Music	3.0
--- ---	Mathematics (IAI M)	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
HED-290	Disease Processes *	2.0
ART-250	Understanding Art	3.0
POS-160	American National Government	3.0
BIO-225	Human Ana/Phys I *	4.0
HED-270	Community Health	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
--- ---	Social/Behavioral Science (IAI S)	3.0
PSY-271	Intr/Psychology	3.0
PED-285	Fitness for Life	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

BIO-130	Environmental Science	4.0
HED-178	Responding to Emergencies	2.0

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 scores.

* There are prerequisites, course requisites, 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

MATH PATHWAY

HISTORY

(AA.HIS) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
HIS-155	History of the U.S. I	3.0
-- ---	Mathematics (IAI M) *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
ENG-121	Composition II *	3.0
HIS-156	History of the U.S. II	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Electives	4.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
HIS-250	Western Civil to 1660	3.0
--- ---	Electives	6.0
HIS-153	History/Culture of Third World	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
HIS-252	West Civil/1660-Present	3.0
POS-160	American National Government	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

EDU-100	Introduction to Education ^^^	3.0
HED-200	Principles of Health	3.0
PED-285	Fitness for Life	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 scores.

* There are prerequisites, course requisites, 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: Matthew Greider
Faculty Email: mgreider@lakelandcollege.edu
Faculty Phone: 217-234-5290

SCAN ME

MATH PATHWAY

LIBERAL ARTS

(AA.LAS) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Mathematics (IAI M) *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
ENG-121	Composition II *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and LIfe Sciences (IAI P or IAI L)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**15.0**

Second Semester		
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives	12.0
	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 scores.

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

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

Faculty Contact: Salisa Olmsted
Faculty Email: shortens@lakelandcollege.edu
Faculty Phone: 217-234-5271

SCAN ME

MATH PATHWAY

MATHEMATICS

(AA.MATH) ASSOCIATE IN ARTS

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

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-241	Analytical Geom-Calc I *	5.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and Life Science (IAI P or IAI L)	4.0
PHI-290	Intro to Logic	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
ENG-121	Composition II *	3.0
MAT-242	Analytical Geom-Calc II *	4.0
PHY-140	University Physics I * +++ or	
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
MAT-151	C Program W/Engineering Appl * +	3.0
MAT-255	Linear Algebra * +	3.0
--- ---	Humanities and Fine Arts (IAI H, IAI F, or IAI HF)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
MAT-243	Analytical Geom-Calc III * +++	4.0
MAT-245	Differential Equations * +++	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives	5.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

PHY-141	University Physics II * +	4.0
CIS-156	Computer Logic * +++	3.0
CIS-162	Object-Oriented Programming I * +++	3.0
EDU-100	Introduction to Education	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 scores.

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

MATH PATHWAY

MATHEMATICS EDUCATION

(AA.MAED) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-241	Analytical Geom-Calc I *	5.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and Life Science (IAI P or IAI L)	4.0
EDU-100	Introduction to Education ^^^	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
ENG-121	Composition II *	3.0
MAT-242	Analytical Geom-Calc II *	4.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
PSY-271	Intr/Psychology	3.0
EDU-210	Diversity/Schools & Societies	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
EDU-200	Educational Psychology	3.0
MAT-255	Linear Algebra * +	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
HIS-153	History/Culture of Third World	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
MAT-243	Analytical Geom-Calc III * +++	4.0
MAT-245	Differential Equations * +++	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
--- ---	Elective ^^	2.0
	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
+ Course only offered fall semester
+++ Course only offered spring semester
^^ Consult Academic Advisor for appropriate 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

SCAN ME

MATH PATHWAY

OTHER MAJOR

(AA.OTH) ASSOCIATE IN ARTS

The sequence below is for students seeking an associate degree to prepare for transfer to a university, but are pursuing a career path or major not offered at Lake Land College. The intent of this sample curriculum is to allow students to select appropriate coursework based on the major of interest and the school to which they wish to transfer. Coordination between the student and Academic Advisors at Lake Land College and the transfer school will guide the selected coursework.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Mathematics (IAI M) *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
ENG-121	Composition II *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives	6.0
	SEMESTER TOTALS	**15.0**
Second Semester		
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Electives	12.0
	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 scores.

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

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

Faculty Contact: Krista Burrell
Faculty Email: kburrell@lakelandcollege.edu
Faculty Phone: 217-234-5042

SCAN ME

MATH PATHWAY

PHYSICAL EDUCATION

(AA.PHYED) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PED-183	Intro to Physical Education	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics * or	
--- ---	Mathematics (IAI M)	3.0
BIO-100	Bio Science I	4.0
HUM-150	Humanities Through the Arts	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
ENG-121	Composition II *	3.0
PED-185	B-Ball/V-Ball Sports Officiate	3.0
CHM-101	Physical Science II	3.0
BIO-225	Human Ana/Phys I *	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
PED-172	Bsc Act Elem/Sec Child	2.0
ART-250	Understanding Art	3.0
POS-160	American National Government	3.0
--- ---	Elective	2.0
PED-244	Kinesiology	4.0
	SEMESTER TOTALS	**17.0**

Second Semester		
PSY-271	Intr/Psychology	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
PED-285	Fitness for Life	3.0
HED-200	Principles of Health	3.0
PED-152	Theory of Motor Learning	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

EDU-100	Introduction to Education ^^^	3.0
PED ---	Skill Classes	4.0
PED ---	Technique of Classes	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 scores.

* There are prerequisites, course requisites, 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: David Johnson
Faculty Email: djohnson@lakelandcollege.edu
Faculty Phone: 217-234-5446

SCAN ME

MATH PATHWAY

PHYSICS

(AS.PHYS) ASSOCIATE IN SCIENCE

Upon completion of this course sequence, physics students will receive an associate in science degree.

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
CHM-150	General Chemistry I *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**15.0**

Second Semester		
CHM-151	General Chemistry II *	4.0
MAT-242	Analytical Geom-Calc II *	4.0
ENG-121	Composition II *	3.0
PHY-140	University Physics I * +++	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
PHY-141	University Physics II * +	4.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Life Science (IAI L)	4.0
--- ---	Physics/Math Elective	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
PHY-142	University Physics III * +++	4.0
MAT-243	Analytical Geom-Calc III * +++	4.0
--- ---	Physics/Math Elective	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

MAT-245	Differential Equations * +++	3.0
MAT-255	Linear Algebra * +	3.0
PHY-239	Mechanics I * +	3.0
PHY-240	Mechanics II * +++	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 scores.

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

SCAN ME

MATH PATHWAY

POLITICAL SCIENCE

(AA.PS) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
POS-160	American National Government	3.0
--- ---	Mathematics (IAI M) *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
POS-162	State/Local Govern	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
POS-264	Intro/Interntnl Rel	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Recommended or Open Electives	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
--- ---	Social/Behavioral Science (IAI S)	3.0
HIS-250	Western Civil to 1660	3.0
--- ---	Electives	11.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

MAT-124	Statistics Pathway	
MAT-125	Statistics *	3.0
HIS-252	West Civil/1660-Present	3.0
HIS-153	History/Culture of Third World	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 scores.

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

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

Faculty Contact: Michael Rogers
Faculty Email: srogers@lakelandcollege.edu
Faculty Phone: 217-234-5236

SCAN ME

MATH PATHWAY

PRE-CHIROPRACTIC

(AS.PCHI) ASSOCIATE IN SCIENCE

The following courses are recommended for Pre-Chiropractic students. Upon completion of this course sequence, pre-chiropractic 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
CHM-150	General Chemistry I *	4.0
BIO-100	Bio Science I	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
CHM-151	General Chemistry II *	4.0
BIO-116	General Zoology *	4.0
BIO-225	Human Ana/Phys I *	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
PHY-130	College Physics I * +	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
MAT-241	Analytical Geom-Calc I *	5.0
	SEMESTER TOTALS	**17.0**
Second Semester		
CHM-244	Organic Chemistry II * +++	4.0
CHM-254	Organic Chemistry Lab II * +++	1.0
PHY-131	College Physics II * +++	4.0
PSY-271	Intr/Psychology	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**67.0**

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 scores.

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

MATH PATHWAY

PRE-DENTAL

(AS.PDEN) ASSOCIATE IN SCIENCE

The following courses are recommended for Pre-Dentistry students. Upon completion of this course sequence, pre-dental 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
PSY-271	Intr/Psychology	3.0
MAT-140	Algebra With Trigonometry *	5.0
CHM-150	General Chemistry I *	4.0
	SEMESTER TOTALS	**19.0**

Second Semester		
ENG-121	Composition II *	3.0
BIO-225	Human Ana/Phys I *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
HIS-155	History of the U.S. I	3.0
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
BIO-226	Human Ana/Phys II	4.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
BIO-235	Microbiology *	4.0
CHM-244	Organic Chemistry II * +++	4.0
CHM-254	Organic Chemistry Lab II * +++	1.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**12.0**
	TOTAL PROGRAM HOURS	**65.0**

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 scores.

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

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Faculty Phone: 217-234-5238

SCAN ME

MATH PATHWAY

PRE-ENGINEERING

(AS.PENG) ASSOCIATE IN 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 (AES.ENGR) degree program.

Upon completion of this course sequence, pre-engineering students will receive an associate in science degree. The association 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
CHM-150	General Chemistry I *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
ECO-231	Principles of Econ I (Macro)	3.0
TEC-103	Engineering Graphics	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
CHM-151	General Chemistry II *	4.0
MAT-242	Analytical Geom-Calc II *	4.0
ENG-121	Composition II *	3.0
PHY-140	University Physics I * +++	4.0
--- ---	Social/Behavioral Science (IAI S) *	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
PHY-141	University Physics II * +	4.0
SPE-111	Intro to Speech Communication	3.0
BIO-100	Bio Science I	4.0
MAT-151	C Program W/Engineering Appl * +	3.0
PHY-239	Mechanics I * +	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
MAT-245	Differential Equations * +++	3.0
PHY-240	Mechanics II * +++	3.0
MAT-243	Analytical Geom-Calc III * +++	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**69.0**

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 scores.

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

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MATH PATHWAY

PRE-MEDICINE

(AS.PMED) ASSOCIATE IN SCIENCE

The following courses are recommended for Pre-Medicine students. Upon completion of this course sequence, pre-medicine 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
MAT-140	Algebra With Trigonometry *	5.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
PHY-130	College Physics I * +	4.0
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
CHM-244	Organic Chemistry II * +++	4.0
CHM-254	Organic Chemistry Lab II * +++	1.0
BIO-111	General Botany *	4.0
PHY-131	College Physics II *	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**19.0**
	TOTAL PROGRAM HOURS	**69.0**

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 scores.

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

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

MATH PATHWAY

PRE-NURSING

(AA.PNUR) ASSOCIATE IN ARTS

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 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
PSY-271	Intr/Psychology	3.0
CHM-120	Gen, Organic & Biochemistry I +	4.0
SPE-111	Intro to Speech Communication	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
ENG-121	Composition II *	3.0
BIO-225	Human Ana/Phys I *	4.0
CHM-121	Gen, Organic & Biochemistry II * +++	5.0
PHI-280	Ethics	3.0
SOC-280	Introduction to Sociology	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
BIO-226	Human Ana/Phys II *	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
PHI-290	Intro to Logic	3.0
PSY-279	Human Dev/Life Span	3.0
--- ---	Elective ^^	3.0
	SEMESTER TOTALS	**16.0**

Second Semester		
BIO-235	Microbiology *	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
HED-102	Nutrition	3.0
--- ---	Elective ^^	3.0
	SEMESTER TOTALS	**13.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

ANT-200	General Anthropology	3.0
CIS-160	Practical Software Application	3.0
POS-160	American National Government	3.0
HIS-153	History/Culture of Third World	3.0
AHE-041	Medical Terminology	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 scores.

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

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Faculty Phone: 217-234-5245

MATH PATHWAY

PRE-PHARMACY

(AS.PPHM) ASSOCIATE IN SCIENCE

The following courses are recommended for Pre-Pharmacy students. Upon completion of this course sequence, pre-pharmacy 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
--- ---	Humanities and Fine Arts (IAI F) ^^	3.0
--- ---	Humanities and Fine Arts (IAI H) ^^	3.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
CHM-151	General Chemistry II *	4.0
BIO-111	General Botany *	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
	SEMESTER TOTALS	**18.0**

SECOND YEAR

First Semester		Hours
BIO-225	Human Ana/Phys I *	4.0
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	1.0
SPE-111	Intro to Speech Communication	3.0
PHY-130	College Physics I * +	4.0
	SEMESTER TOTALS	**16.0**
Second Semester		
BIO-226	Human Ana/Phys II *	4.0
CHM-244	Organic Chemistry II * +++	4.0
CHM-254	Organic Chemistry Lab II * +++	1.0
PSY-271	Intr/Psychology	3.0
MAT-241	Analytical Geom-Calc I *	5.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**20.0**
	TOTAL PROGRAM HOURS	**71.0**

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 scores.

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

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Email: counsel@lakelandcollege.edu

Faculty Contact: Gregory Capitosti
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Faculty Phone: 217-234-5320

SCAN ME

MATH PATHWAY

PRE-PHYSICAL THERAPY

(AS.PPTH) ASSOCIATE IN SCIENCE

The following courses are recommended for Pre-Physical Therapy students. Upon completion of this course sequence, pre-physical therapy students will receive an associate in science degree.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
	SEMESTER TOTALS	**14.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-225	Human Ana/Phys I *	4.0
LIT-130	Intro to Literature *	3.0
CHM-151	General Chemistry II *	4.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
BIO-226	Human Ana/Phys II *	4.0
PED-244	Kinesiology	4.0
PHY-130	College Physics I * +	4.0
MAT-241	Analytical Geom-Calc I *	5.0
	SEMESTER TOTALS	**17.0**
Second Semester		
SPE-111	Intro to Speech Communication	3.0
PHY-131	College Physics II * +++	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Elective ^^	3.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

MAT-242	Analytical Geom-Calc II * ^^	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 scores.

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

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Faculty Phone: 217-234-5238

SCAN ME

MATH PATHWAY

PRE-VETERINARY MEDICINE

(AA.PVET) ASSOCIATE IN ARTS

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.

FIRST YEAR

First Semester		Hours
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
BIO-100	Bio Science I	4.0
AGR-206	Intro/Animal Science	4.0
PSY-271	Intr/Psychology or	
SOC-280	Social/Behavioral Science (IAI S)	3.0
MAT-140	Algebra With Trigonometry *	5.0
	SEMESTER TOTALS	**19.0**
Second Semester		
ENG-121	Composition II *	3.0
BIO-116	General Zoology *	4.0
ECO-231	Principles of Econ I (Macro)	3.0
MAT-211	Math Analysis * or	
MAT-241	Analytical Geom-Calc I *	4.0
HIS-252	West Civil/1660-Present or	
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
CHM-150	General Chemistry I *	4.0
HIS-153	History/Culture of Third World or	
--- ---	Humanities and Fine Arts (IAI H)	3.0
AGR-207	Intro/Ag Economics	4.0
	SEMESTER TOTALS	**14.0**
Second Semester		
CHM-151	General Chemistry II *	4.0
ART-250	Understanding Art	3.0
BIO-235	Microbiology *	4.0
POS-160	American National Government	3.0
	SEMESTER TOTALS	**14.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

MAT-124	Statistics Pathway	
MAT-125	Statistics *	3.0
PHY-130	College Physics I	4.0
PHY-131	College Physics II	4.0
AGR-064	Beef/Dairy Production Skills	1.5
AGR-065	A.I. Management-Cattle	1.5
AGR-071	Swine Reproduction and A.I.	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 scores.

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

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Faculty Phone: 217-234-5226

SCAN ME

MATH PATHWAY

PSYCHOLOGY

(AA.PSY) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
PSY-271	Intr/Psychology	3.0
	Mathematics (IAI M) ^^ *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
SOC-280	Introduction to Sociology	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
PSY-277	Social Psychology *	3.0
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
--- ---	Electives ^^	6.0
	SEMESTER TOTALS	**15.0**
Second Semester		
SOS-283	Introduction Research Methods ^^ or	
--- ---	Elective	3.0
--- ---	Electives	15.0
	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 scores.

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

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Faculty Phone: 217-234-5292

MATH PATHWAY

SECONDARY EDUCATION-BIOLOGY

(AA.SCED.BIO) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
POS-160	American National Government	3.0
BIO-100	Bio Science I	4.0
CHM-150	General Chemistry I *	4.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
CHM-151	General Chemistry II *	4.0
--- ---	Social/Behavioral Science (IAI S)	3.0
BIO-111	General Botany *	4.0
-- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**17.0**

SECOND YEAR

First Semester		Hours
BIO-116	General Zoology *	4.0
SPE-111	Intro to Speech Communication	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
EDU-100	Introduction to Education ^^^	3.0
PHY-130	College Physics I * +	4.0
	SEMESTER TOTALS	**17.0**
Second Semester		
BIO-225	Human Ana/Phys I *	4.0
PHY-131	College Physics II * +++	4.0
HIS-153	History/Culture of Third World	3.0
EDU-210	Diversity/Schools & Societies	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**17.0**
	TOTAL PROGRAM HOURS	**68.0**

SUGGESTED ELECTIVES

BIO-225	Human Ana/Phys I *	4.0
CHM-243	Organic Chemistry I * +	4.0
CHM-253	Organic Chemistry Lab I * +	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
+ Course only offered fall semester
+++ Course only offered spring semester

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SCAN ME

MATH PATHWAY

SECONDARY EDUCATION-CHEMISTRY

(AS.SCED.CHM) ASSOCIATE IN SCIENCE

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-241	Analytical Geom-Calc I *	5.0
CHM-150	General Chemistry I *	4.0
POS-160	American National Government	3.0
--- ---	Humanities and Fine Arts (IAI H or IAI F)	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
ENG-121	Composition II *	3.0
MAT-242	Analytical Geom-Calc II *	4.0
PHY-140	University Physics I * +++	4.0
CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
PHY-141	University Physics II * +	4.0
EDU-100	Introduction to Education ^^^	3.0
BIO-100	Bio Science I	4.0
	SEMESTER TOTALS	**17.0**
Second Semester		
HIS-153	History/Culture of Third World	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Electives	8.0
	SEMESTER TOTALS	**14.0**
	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
+ Course only offered fall semester
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

Call Counseling Services: 217-234-5232
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SCAN ME

MATH PATHWAY

SECONDARY EDUCATION-PHYSICS

(AS.SCED.PHY) ASSOCIATE IN SCIENCE

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
MAT-241	Analytical Geom-Calc I *	5.0
CHM-150	General Chemistry I *	4.0
POS-160	American National Government	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**18.0**

Second Semester		
ENG-121	Composition II *	3.0
MAT-242	Analytical Geom-Calc II *	4.0
PHY-140	University Physics I * +++	4.0
CHM-151	General Chemistry II *	4.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
MAT-243	Analytical Geom-Calc III *	4.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
PHY-141	University Physics II * +	4.0
EDU-100	Introduction to Education ^^^	3.0
	SEMESTER TOTALS	**17.0**

Second Semester		
BIO-100	Bio Science I	4.0
PHY-142	University Physics III +++	4.0
EDU-210	Diversity/Schools & Societies	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
	SEMESTER TOTALS	**14.0**
	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
+++ Course only offered spring semester
+ Course only offered fall semester
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

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Faculty Contact: Charles Jarrell
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SCAN ME

MATH PATHWAY

SOCIOLOGY/SOCIAL WORK

(AA.SSW) ASSOCIATE IN 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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SOC-280	Introduction to Sociology	3.0
MAT-124	Statistics Pathway or	
MAT-125	Statistics *	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
SOC-282	Social Problems	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
PSY-271	Intr/Psychology	3.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
SOC-284	Sociology/Deviant Behavior	3.0
--- ---	Humanities and Fine Arts (IAI H)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
HED-200	Principles of Health	3.0
PSY-277	Social Psychology	3.0
	SEMESTER TOTALS	**18.0**
Second Semester		
SOC-286	Racial and Ethnic Groups	3.0
--- ---	Electives	9.0
SOS-283	Introduction Research Methods *	3.0
	SEMESTER TOTALS	**15.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

ANT-200	General Anthropology	3.0
SOC-290	Sociology of Family	3.0
HSP-120	Introduction to Social Work	3.0
SOC-288	Sociology Sexuality & Gender	3.0
SOC-290	Sociology of Family	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 scores.

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

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SCAN ME

MATH PATHWAY

SPECIAL EDUCATION

(AA.SPED) ASSOCIATE IN ARTS

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
HIS-155	History of the U.S. I or	
HIS-156	History of the U.S. II	3.0
BIO-100	Bio Science I	4.0
MAT-118	Math for Elem Teachers I	3.0
EDU-100	Introduction to Education ^^^	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
ENG-121	Composition II *	3.0
EDU-190	Introduction/Special Education	3.0
PHY-110	Concepts of Physics or	
CHM-111	Concepts of Chemistry	4.0
MAT-218	Math for Elem Teachers II *	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**16.0**

SECOND YEAR

First Semester		Hours
PSY-271	Intr/Psychology	3.0
PSY-274	Child Development	3.0
SPE-111	Intro to Speech Communication	3.0
HIS-153	History/Culture of Third World	3.0
--- ---	Elective	3.0
	SEMESTER TOTALS	**15.0**
Second Semester		
EDU-210	Diversity/Schools & Societies	3.0
EDU-103	Teaching/Learning W/Technology	3.0
--- ---	Humanities and Fine Arts (IAI F)	3.0
MUS-229	Understanding Music or	
ART-250	Understanding Art	3.0
POS-160	American National Government	3.0
--- ---	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 scores.

* There are prerequisites, course requisites, or minimum placement test scores for this course.
^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours

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SCAN ME

MATH PATHWAY

UNDECIDED

(AA.UND) ASSOCIATE IN ARTS

The sequence below is for students seeking an associate degree to prepare for transfer to a four-year college or university, but have not yet decided on an eventual career path. The intent of this exploratory curriculum is to allow students to actively investigate their educational interests. By utilizing college resources and following guidance from an Academic Advisor, students should be able to change their major from Undecided to a chosen degree program by the end of the first semester of their second year. Students interested in a workforce ready program should not follow this curriculum; they should contact Counseling Services for guidance on workforce ready curricula.

Other suggestions for Undecided students include:

- Contact their Academic Advisor early and often to begin discussing options at Lake Land College.
- Utilize Career Cruising, a skills inventory available through Career Services that can help students clarify career objectives and interests.
- Engage in Career Counseling appointments, available through Counseling Services, to further explore potential career pathways.
- Learn more about the job market and employment trends in specific career areas through speaking with college faculty who coordinate individual programs.

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
ENG-119	Composition I Pathway * or	
ENG-120	Composition I *	3.0
SFS-101	Strategies for Success	2.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Suggested Electives	6.0
	SEMESTER TOTALS	**17.0**
Second Semester		
ENG-121	Composition II *	3.0
--- ---	Math (IAI M) *	3.0
--- ---	Humanities/Fine Arts (IAI H)	3.0
--- ---	Suggested Electives	6.0
	SEMESTER TOTALS	**15.0**

SECOND YEAR

First Semester		Hours
SPE-111	Intro to Speech Communication	3.0
--- ---	Physical and Life Sciences (IAI P or IAI L)	4.0
--- ---	Humanities/Fine Arts (IAI F)	3.0
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Suggested Electives	3.0
	SEMESTER TOTALS	**16.0**
Second Semester		
--- ---	Social/Behavioral Science (IAI S)	3.0
--- ---	Humanities/Fine Art (IAI H or IAI F)	3.0
--- ---	Suggested Electives	10.0
	SEMESTER TOTALS	**16.0**
	TOTAL PROGRAM HOURS	**64.0**

SUGGESTED ELECTIVES

AGR-206	Intro/Animal Science	4.0
BUS-142	Introduction to Business	3.0
CJS-150	Intro/Criminal Just	3.0
EDU-100	Introduction to Education	3.0
EDU-190	Introduction/Special Education	3.0
ESC-106	Intro Geographic Info Systems	4.0
HRT-201	Introduction to Horticulture	3.0
HSP-120	Introduction to Social Work	3.0
RTV-150	Introduction to Broadcasting	3.0

Suggested Electives: Students are encouraged to take any introductory course in any major or discipline that interests them as a way to learn more about specific degrees. Suggested elective courses will count toward Lake Land College graduation, even if a student ultimately decides on a transfer degree for which the course is not required. Transferability of courses will vary depending on the four-year college or university that the student chooses. 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 scores.

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

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SCAN ME

MATH PATHWAY

IN THIS CHAPTER:

- ENROLLMENT REQUIREMENTS
- HOW TO ENROLL & REGISTER
- 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, color, sex, age, religion, national origin, ancestry, disability, marital or civil union status, veteran status, sexual orientation, or any basis of discrimination precluded by applicable federal and state statutes.

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 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

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.

NON-DEGREE STUDENTS

Non-degree 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.

PLACEMENT TESTING, TEST SCORES AND PREREQUISITES

Students seeking a degree or certificate, or non-degree seeking students planning to enroll in an ENG or MAT course, are required to complete placement testing or provide ACT or SAT scores. ACT or SAT scores may be submitted electronically from act.org or sat.org to be used instead of placement test scores. Students who submit ACT or SAT scores may also take the placement test, if they choose.

Students may retest in each area of the placement test one time for a minimal fee. Highest scores and program requirements determine placement in reading, English and/or math courses.

Students may submit official ACCUPLACER score reports from other colleges to the Tutoring and Testing Center. Scores will be entered into the student's record and applied to the Lake Land College placement requirements. (Note: Lake Land College does not accept the other college's placement recommendations.)

If four or more years have passed since a student's last retest, the student may choose to complete one additional retest in each subject area. A minimal fee is charged for each retest.

Students with a disability may make special arrangements for placement testing by contacting the Coordinator of Student Accommodations.

Non-degree students are exempt from completing the Lake Land College placement test or submitting their ACT or SAT scores unless the student is changing from non-degree to degree status or wishes to enroll in an English or math course in which he/she has not met the prerequisite. Students who have taken the ACT or SAT may choose to use their scores instead of taking the placement test.

Prerequisite checking is conducted at the time of registration for all RDG, ENG and MAT courses. Students will not be allowed to register for RDG, ENG and MAT courses for which they have not met the prerequisite. Students wishing to register for these courses must have the appropriate placement, ACT or SAT score, be currently enrolled in the prerequisite course, or have a waiver on file verifying successful completion of the prerequisite course. The Lake Land College placement test is the same test that is given to all new degree-seeking students at the time of their initial admission to the college. All students are required to register for reading, English and math courses according to the results of the test and program requirements.

Some English and math courses have additional prerequisites that must be met in addition to the required placement score. These prerequisites are listed in the Course Descriptions in the college catalog and on the Lake Land College website.

Students who have not successfully completed high school or college geometry, or who do not have a transcript on file documenting completion of the course, will be required to enroll in a college geometry course before enrolling in a MAT 100 or higher course.

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 a college transcript documenting successful completion of prerequisite courses.

EXEMPTIONS/WAIVERS FOR TRANSFER CREDIT

Students who present a transcript to Admissions & Records, Counseling Services or an ENG or MAT Division Chair verifying completion of 30 semester hours of college coursework in good standing will receive a RDG 050 waiver and are not required to complete the reading placement test. Students who have earned less than 30 semester hours of college course work or were not in good standing must have the appropriate placement test or a transcript verifying successful completion of the required RDG courses. Students who have completed some of the required RDG courses may be placed accordingly.

Students wishing to register for an ENG or MAT course must have the appropriate placement test score or a transcript verifying successful completion of the prerequisite course. There is no 30 semester hour exemption for ENG or MAT courses. Students may present their transcript to Admissions & Records, Counseling Services or the ENG or MAT division chairs to request appropriate placement.

While an official transcript is not required for placement purposes, in order to receive Lake Land College credit for any courses completed at another college, students must send an official transcript and a transcript evaluation request to Admissions and Records.

1. Associate in Applied Science Degree and/or Certificate Programs. Students must meet Lake Land College's admission requirements. Certain programs have special admission entrance requirements which must be met prior to being accepted into the program. Refer to the special program for admission requirements.
2. Associate in Liberal Studies. Students must meet Lake Land College's admission requirements.
3. Associate in Arts, Associate in Science and Associate in Engineering Science.

Students must meet Lake Land College's admission requirements and have at least 15 units of high school course work from the following five categories:

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.

If at the time of admission, it has not been determined from the applicant's final high school transcript that the high school course pattern has been satisfied, the student will be provisionally admitted. The student will remain on provisional status until the high school pattern has been verified or deficiencies have been made up through appropriate course work.

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 Student Services wing of the Luther Student Center. Hours are subject to change. Students can also contact Admissions & Records online at lakelandcollege.edu.

Admissions & Records' mission is to provide an array of quality services to students (potential, current and past) of all ages from matriculation to graduation. In providing these services staff will be sensitive to the needs of each student.

HIGH SCHOOL STUDENTS

Students who are currently enrolled in high school and are at least 16 years of age 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 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 through Admissions & Records or the Internet Registration and Information System (IRIS) in the Laker Hub at lakelandcollege.edu. All requests must contain the complete mailing address of the individual or institution to which the transcript should be sent.

The college reserves the right to withhold transcripts of persons who have unpaid financial obligations to the institution.

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. 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.
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 or cooperative 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 a 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.

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
Lovington
Marshall
Martinsville
Mattoon
Neoga
Newton
  (Grove District)
North Clay
  (Northern Part)
Oakland
Okaw Valley
Pana
Paris
Ramsey
Shelbyville
Shiloh
South Central
  (parts of)
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 the college homepage at lakelandcollege.edu/international.

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 Director 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.

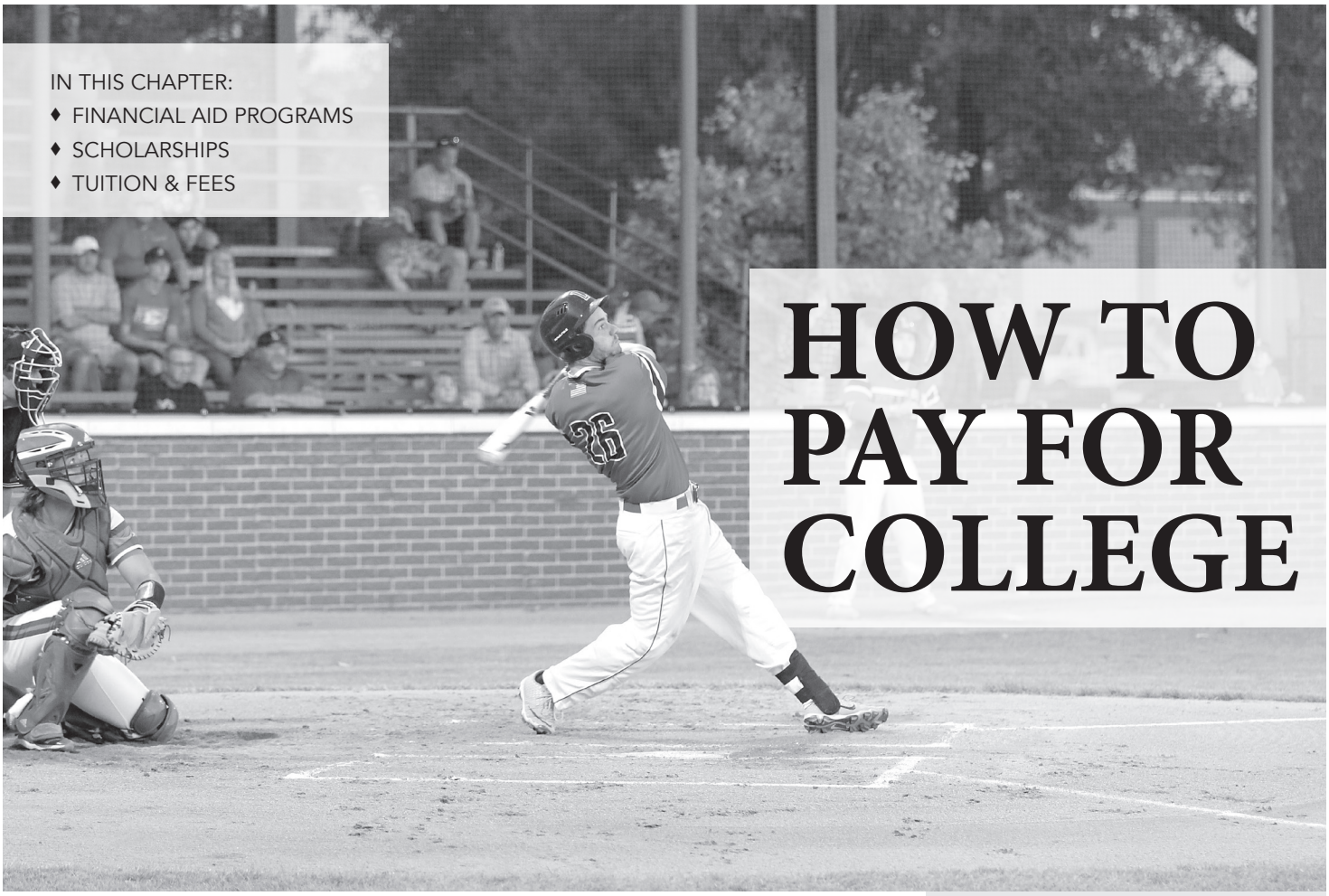
   Students who have not met the English proficiency requirement will be required to enroll in the Intensive English Language Program until they are adequately prepared for regular academic courses. Assignment to the appropriate level will be based on Lake Land College placement testing prior to registration.
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.



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 receiving transcripts, 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 $25 and higher and are listed in the Course Description section of this catalog.

STUDENT ACTIVITY FEE
Students enrolling in on campus and Kluthe Center for Higher Education and Technology 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 and course materials. It is estimated that full-time Lake Land students may save up to $1,400 per year using the rental system versus purchasing their books. Course materials may be purchased at the request of the student. 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 Admission Services. 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 Admission Services of a change of facts which might effect 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 Admission Services 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 Admission Services 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 or obtain transcripts 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 2019-2020
   Fall 2019: August 19 to August 30
   Spring 2020: January 13 to January 27
   Summer 2020: June 8 to June 15

   Academic Year 2020-2021
   Fall 2020: August 24 to September 4
   Spring 2021: January 11 to January 25
   Summer 2021: June 7 to June 14

   Mod 1 classes
   Academic Year 2019-2020
   Fall 2019: August 19 to August 23
   Spring 2020: January 13 to January 17

   Academic Year 2020-2021
   Fall 2020: August 24 to August 28
   Spring 2021: January 11 to January 15

   Mod 2 classes
   Academic Year 2019-2020
   Fall 2019: October 14 to October 18
   Spring 2020: March 16 to March 20

   Academic Year 2020-2021
   Fall 2020: October 19 to October 23
   Spring 2021: March 15 to March 19
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. Office hours are 8 a.m. to 5 p.m. Monday through Friday. (Summer office hours vary.) Additional hours are provided by appointment and during specific registration periods.

MISSION STATEMENT

The mission of Lake Land College Financial Aid and Veteran Services is to assist students and their families in actively seeking college financial resources in the form of federal and state grants, work study, loans and and scholarships. This will be accomplished in a friendly, caring and helpful manner. Students and families will know that they have been served within regulatory guidelines and in the best manner possible.

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 (FPELL), the Federal College Work-Study Program (FCWSP), the Federal Supplemental Educational Opportunity Grant Program (FSEOG), the Federal Direct Loan Program (DL) and the Federal Parental Loan for Undergraduate Students (DPLUS). 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 apply accurately to avoid delays in receiving financial aid.

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, room and board, books, 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 enrolled in a Title IV eligible degree or certificate program at Lake Land College. Certificate programs of less than 16 credit hours are not eligible;

3. Be in attendance at Lake Land College for the purpose of obtaining an associate degree or eligible certificate;
4. Complete the Free Application for Federal Student Aid (FAFSA) online at fafsa.gov.
5. Forward to the Financial Aid Office all requested documents required to complete verification.
6. If you are a dependent student, complete the financial aid application forms with your parents. Both the student and the parents are expected to understand the forms and accept responsibility for the information reported on them;
7. Sign a statement of Educational Purpose and Selective Service Registration Status. This is part of the FAFSA application and Federal Pell Grant awarding process;
8. Maintain Satisfactory Progress as established for financial aid applicants/recipients, and;
9. Demonstrate financial need.

To determine the financial need factor, a Lake Land applicant completes the Free Application for Federal Student Aid (FAFSA). Financial need is considered to be the difference between one academic year's educational expenses (tuition, books, fees, room and board, personal and transportation) and the student's resources (expected family contribution) for the same period. All students and their families are encouraged to apply early for financial aid and with accuracy.

SUMMER TERM FINANCIAL AID

New students applying before June 30 and continuing students who did not attend at a full time status during the previous two semesters may be eligible for a Federal Pell Grant and/or student loan.

The Illinois Monetary Award Program is not available for any summer term. A limited number of "campus based awards" (FCWSP and FSEOG) may be available. Contact Financial Aid during the spring semester for a Financial Aid Summer Request Form to be considered for a summer term.

NOTE: Summer is the last term in an 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 hours per term.
d. Comply with federal selective service registration requirements.
e. Be an undergraduate student who has not received a baccalaureate degree.
f. Demonstrate financial need as determined by ISAC from income/asset data supplied on the Free Application for Federal Student Aid.
g. Maintain satisfactory academic progress according to the standards of the institution.
h. Not be in default on any student loan nor owe a refund or repayment on any state or federal grant or scholarship.
i. Not be incarcerated.
j. Not have exceeded the maximum 75 MAP paid credit hours at the freshman or sophomore level.

The awards range from $300 per academic year to a maximum of $4,968 (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 (FPELL)

The Federal Pell Grant is considered to be the foundation of all Title IV financial assistance programs. Pell is a need-based grant which is generally not repayable. The exact dollar award is determined by the student's course load and the Expected Family Contribution (EFC) number as calculated by the federal government.

FEDERAL COLLEGE WORK-STUDY PROGRAM (FCWSP)

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 FCWSP generally work from 10 to 20 hours per week. Eligibility for FCWSP is based on financial need. Federal work-study positions 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. FSEOG awards are awarded to students with a zero expected family contribution who apply before May 1 of the award year.

FEDERAL DIRECT LOAN PROGRAM

FEDERAL STAFFORD LOAN – SUBSIDIZED (DSSL)

Regular students enrolled at least half-time may apply for this need-based loan. Repayment of this loan begins six months after the student graduates or falls below half-time enrollment. Deferment provisions do exist for the Stafford loan. Interest on the loan is paid by the federal government while you are in school. Initial processing for the loan at Lake Land College begins when applying for financial aid. All Federal Stafford Loan applicants must have their files processed by the Financial Aid Office prior to requesting a student loan.

FEDERAL STAFFORD LOAN – UNSUBSIDIZED (DUSL)

This Federal Stafford Loan program is designed for students who are not eligible or only partially eligible for the subsidized student loan. Subsidized loan eligibility must be determined prior to calculating the unsubsidized loan eligibility. This is not a need-based loan. The applicant is responsible for paying the interest on this type of loan from the date of disbursement.

FEDERAL PARENTAL LOAN FOR UNDERGRADUATE STUDENTS (DPLUS)

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 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 a year to year basis. To be considered for Title IV assistance for the next academic year, all current recipients must reapply. Adjustments in your eligibility will be made annually to reflect changes in the federal and state eligibility formulas, the financial situation of you and/or your 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 you 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)**
   Whether or not one has previously received financial aid, financial aid recipients must have attained an acceptable minimum grade point average required by the college to remain in good academic standing (see college catalog under, "Academic Standard and Regulations: Scholastic Standing – Minimum Acceptable Standards.")
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 progress 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 Progress Appeal Committee 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. This rule assumes that a student earns his or her aid based on the period of time he or she remained enrolled. During the first 60 percent of the semester, a student earns Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the semester that the student remained enrolled is the percentage of disbursable aid for that period that the student earned. A student who remains enrolled beyond the 60 percent point earns all aid for the semester. Financial Aid will return unearned aid to the federal government. The student is then responsible for returning the unearned aid he or she 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 four following actions toward any student using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation 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)

Provides education benefits to veterans and service members who have at least two years of active duty.

POST 9/11 (CHAPTER 33)

Service members who have at least 90 days of aggregate active duty service after September 10, 2001 and are still on active duty, or are an honorable discharged veteran or were discharged with a service-connected disability after 30 days, may be eligible for this VA-administered program.

MONTGOMERY GI BILL® SELECTED RESERVE (CHAPTER 1606)

MGIB-SR program provides education and training benefits to eligible members of the Selected Reserve, including the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve and Coast Guard Reserve, and the Army National Guard and the Air National Guard. Eligibility for this program is determined by the Selected Reserve components and VA makes the payments.

SURVIVORS AND DEPENDENTS ASSISTANCE (CHAPTER 35)

Offers education and training opportunities to eligible dependents of veterans who are permanently and totally disabled due to a service-related condition or of veterans who died while on active duty or as a result of a service-related condition.

THE MARINE GUNNERY SERGEANT JOHN DAVID FRY SCHOLARSHIP (FRY SCHOLARSHIP)

Available for children and spouses of service members who died in the line of duty after September 10, 2001.

VETERAN'S VOCATIONAL REHABILITATION (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 served one year in the Illinois National Guard or Naval Militia 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 or militia. Applications must be renewed annually.

MIA/POW 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 must 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.

Guidelines for the administration of the Talented Student Award Program are presented for approval to the Board of Trustees for three two-year cycles. The TSA guidelines are available from the Office of the Vice President for Student Services.

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
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 Workforce Innovation & Opportunity Act (WIOA) Program offers a variety of services that are based upon the customer's goals. Services may include goal setting, career exploration, job referrals, counseling, budgeting, training, and supportive services. The Local Workforce Area 23 covers a thirteen county service area which receives its funding from the US Department of Labor through the Illinois Department of Commerce and Economic Opportunity. C.E.F.S. is our service provider. They provide guidance with job readiness, job search, work-based learning, and classroom training needed to secure and retain employment and become self-sufficient. Per federal law, funding is spread over programs related to dislocated workers, adult, and youth. Lake Land College serves as the fiscal agent for Area 23.

The Workforce Innovation & Opportunity Act (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 reasons. WIOA Programs are also available to help teens and young adults 16-24 to develop a career path or find employment through training and job search assistance.

PUBLIC ASSISTANCE GRANT PROGRAM
Students with an active DHS case ID may be eligible for tuition assistance for a maximum of 12 credit hours. For a list of approved classes and a determination of eligibility, contact the Lake Land College Adult Education Program or phone 217-235-0361, ext. 228.

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 $400,000 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.
- Award notifications will be issued by March 1.

Please contact the Financial Aid Office at 217-234-5231 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/enroll.
2. Log into your new Laker profile and submit your Intent to Enroll form.
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.

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.

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 500 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 SERVICES
- COLLEGE NURSE
- COMMUNICATION
- COUNSELING
- LAKER FOOD PANTRY
- LAKER NEST BOOKSTORE
- LEAP
- LIBRARY
- ONLINE LEARNING
- PERKINS PROGRAM
- POLICIES
- STUDENT ACCOMMODATIONS
- TRiO
- TUTORING AND TESTING CENTER
- VETERANS

COMMUNICATION AT LAKE LAND COLLEGE

Lake Land College communicates with students via Laker Mail and the student portal, called the Laker Hub. One of the first steps new students should do is activate their user ID and password.

USER ID – Students can find their User ID by going to the Laker Hub Login and clicking on the lower left link "What's My User ID?" 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.

IRIS – Internet Registration and Information System that contains a student's personal account information, accessible through the Laker Hub.

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.

A counselor accepts appointments at the Kluthe Center for Higher Education and Technology in Effingham when classes are in session. Please phone 217-234-5232, to schedule an appointment.

NEW STUDENT ORIENTATION

New students at Lake Land College who plan to seek a degree or certificate of 24 or more hours will participate in an orientation program. Successful completion involves an online orientation program followed by an advisement and registration day. During online orientation, students will learn about academic major requirements, paying for college, and campus services and resources. Students will register for courses for their first term of enrollment 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 102 Strategies for Money Management is a course designed to assist students with improving their financial planning and budgeting skills. 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 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 the Advisement Information page under Registration on the Laker Hub.

STUDENT ACCOMMODATIONS

Lake Land College employs a Counselor/Coordinator of Student Accommodations 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. Application for support services is made by completing all forms in the Student Accommodations Application packet. Once the required information is received, an appointment with the Counselor/Coordinator of Student Accommodations will be arranged.

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 the Counselor/Coordinator of Student Accommodations by emailing counsel@lakelandcollege.edu. Student Accommodations is open 8 a.m. until 5 p.m. Monday through Friday. (Hours vary between terms and in the summer.) Evenings available by appointment. For more information, phone 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 economically disadvantaged students, and/or students with disabilities. Student Support Services annually serves 160 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.

Students may also submit a self-referral from the Laker Hub home page. Let us help you successfully move toward your academic and life goals – check out LEAP today!

For more information about LEAP, contact Counseling Services or visit the Counseling Services website under "Strategies to enhance life and academic skills."

TUTORING AND TESTING CENTER

The mission of the Tutoring and Testing 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 Tutoring and Testing Center, located in Webb Hall, is designed to help students develop the skills necessary to improve academic performance and personal satisfaction. The services of the Tutoring and Testing 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 217-234-5287.

CAREER SERVICES

The mission of Career Services is to educate and support individuals with their career development skills and job search initiatives. From career exploration to realizing success on the job, Career Services can help individuals devise a customized career plan/job search strategy to:

- Clarify career objectives before choosing an academic program;
- Explore interests, skills and abilities and match them with various careers;
- Find and evaluate career information
- Learn more about a particular business or industry;
- Become adept at job-search techniques, such as networking, resume writing and effective interviewing skills; and
- Research current job opportunities

Career Services provides access to resources on career exploration and all aspects of the job search.

CONFUSED OR UNDECIDED ON A MAJOR?

Career Services offers career interest software and career counseling services. The online career guidance program helps people explore their career-related interests and skills. The system provides in-depth information on thousands of career options. Career counseling utilizes the results of the career guidance program, utilizes face-to-face meetings and can take from one to four appointments. These sessions are a great time for students to talk with a professional about what they want and enjoy in life and how those things fit into possible careers. For free access to the online career guidance program or to make an appointment for career counseling, contact Career Services at careerservices@lakelandcollege.edu or 234-5288.

COOPERATIVE WORK STUDY PROGRAM

The Cooperative Work Study Program (CWSP) offers students seeking a degree or certificate the opportunity to complete an internship and gain work experience related to their academic majors. Students can earn an income and credit to apply to their degree or certificate. The student needs to have completed at least 12 college credit hours, have at least a 2.0 grade point average and be interested in gaining valuable work experience. Call Career Services at 217-234-5288.

JOB SEARCH ASSISTANCE

The job search is a critical component of an individual's career success. Career Services offers resources regarding aspects of the job search process, including resumes, cover letters, references and interviewing.

Want help or more information? Career Services 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 20,000 books, DVDs, and CDs, as well as online access to millions of magazine and journal articles. We also have legal, business, biographical, and newspaper resources, and over 100,000 popular and scholarly e-books. To get started, visit the library website at Lakelandcollege.edu/library/

In addition to local resources, the Library provides direct 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. 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 Second Story, 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 inquiries, contact the Reference Desk at 217-234-5440. 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 and employ the services of the Tech Team in the Laker Nest.

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 CIS040, 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.

PERKINS PROGRAMS OF STUDY & PATHWAYS TO COLLEGE AND CAREER SUCCESS (PCCS)

Perkins Programs of Study are course sequences in Career and Technical Education that provide a seamless transition for students from secondary to postsecondary education and careers. This sequence of course offering begins in the ninth grade and continues through at least two years of postsecondary education. Programs of Study include opportunities to earn college credit (Dual Credit), industry recognized certificates at the post-secondary level, and an associate or bachelor's degree. Partnerships developed through Programs of Study resulted in Pathways to College and Career Success, an educational initiative to prepare students for high-skill, high-wage careers which require technical skills. PCCS students get a head start on college through formal links between area high schools and Lake Land College. PCCS participants may be eligible for the Advantage Program which may include waived college courses or preference admission in a competitive college program. Current programs included in PCCS are: Associate Degree in Nursing, Dental Hygiene, Paramedic Services, Physical Therapist Assistant, and Practical Nursing. For more information on Programs of Study and PCCS contact the Perkins Specialist, 217-234-5032.

HEALTH SERVICES/ COLLEGE NURSE

Student Health Services is located in the Luther Student Center. The College 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.

Health Services 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. Hours are 8 a.m. to 5 p.m. Monday through Friday, phone 217-234-5276.

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 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 visit lakelandcollege.edu/laker-food-pantry, complete the Shopping List and return it to Health Services as indicated on the form. Food is available for same-day pick-up at the pantry or for next-day 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 make announcements on area radio stations and TV stations by 6 a.m. for that day. A listing of the stations used is posted each year on the college's website.

Closings are also posted on the college's website: lakelandcollege.edu.

TEXT NOTIFICATIONS

Students can opt in to receive closing notices via a text message or email. This can be done in the Laker Hub.

Cancellation of day classes is not an automatic closing for evening sessions. 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 radio and TV stations also will carry closing announcements in the event that evening sessions or activities have to be canceled on a day that the college was otherwise open. Classes held at college extension centers will follow the general policies of the main campus; however, classes held at other off-site locations will follow the policy for that location.

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 lakeland college.edu/studenthandbook.

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 lakeland college.edu/studenthandbook or through the Laker Hub.

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 234-5223.

POLICIES

In compliance with state and federal statutes, Lake Land College has the following policies:

AFFIRMATIVE ACTION/ EQUAL OPPORTUNITY

Lake Land College is committed to maintaining a working and learning environment that promotes equal opportunity and affirmative action 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, color, sex, age, religion, national origin, ancestry, disability, marital or civil union status, veteran status, sexual orientation or any basis of discrimination precluded by applicable federal and state statutes. This policy applies to admission and access to and participation, treatment and employment in the college's programs, activities, and services.

The following campus office is assigned the responsibility for ensuring compliance with this policy as well as federal and state statutes and regulations concerning affirmative action and equal access: Office of the Director of Human Resources / 217-234-5210 / Human Resources Office Complaint forms and procedures for filing can be obtained through Counseling Services or Human Resources. In addition, these offices will maintain current copies of appropriate laws, regulations, and policies.

ANTI-HARASSMENT POLICY

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 harassment or other discriminatory practices.

Anti-Harassment

Workplace and academic environment harassment is a form of discrimination. Harassment includes unwelcome verbal, written or physical conduct by any person toward another person based on that person's race, color, sex, age, religion, national origin, ancestry, disability, marital or civil union status, veteran status, sexual orientation, or any basis of discrimination precluded by applicable federal and state statutes. In accordance with Board Policy 11.04, Anti-Harassment, any such conduct which harasses, degrades, interferes with work or academic performance or creates an intimidating, offensive or hostile environment is prohibited, and could lead to disciplinary action. Any student who believes he or she is being harassed by a student, employee or third party at the College should immediately report such concerns and seek support from one of the three harassment centers: Counseling Services, College Nurse, or Director of Human Resources.

Sexual Discrimination, Harassment and Misconduct

In accordance with Board Policy 11.04.01, Sexual Harassment and Sex Discrimination, the college has an affirmative duty to take immediate and appropriate action once it knows of any act of sex discrimination, sexual harassment, sexual misconduct, or sexual violence, in any of its educational or employment programs or activities.

The college encourages student victims of sex discrimination, sexual harassment/misconduct to talk to someone about what happened so that victims can get the support they need and so that the college can respond appropriately. Different employees on campus have different abilities to maintain a student victim's confidentiality. Students are encouraged to seek assistance and support from Counseling Services or the College Nurse. These individuals can serve as Confidential Advisors, can assist students in receiving 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. Online reporters will immediately receive an email with additional information and if they choose to provide their identity and contact information, a staff member will contact them for follow-up during the next business day. The electronic reporting system should not be used in emergency situations. In an emergency situation, victims should call 911 and/or or the Sexual Assault Counseling and Information Services toll-free 24-hour hotline at 1-888-345-2846.

Additional information regarding student rights and college policy and procedures for addressing harassment and sexual discrimination, harassment and 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.

Personably 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.

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.
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 WITHDRAWALS FROM COURSES

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 Internet Registration and Information System (IRIS). Students may not use IRIS to withdraw from courses if they have a block on their records. ***2)*** Submit a change of schedule form to Admissions & Records on campus or at the Kluthe Center. ***3)*** Call Admissions & Records or the Kluthe Center to inform them of their intentions. The official date of withdrawal will be the date the form or phone call is received in Admissions & Records or the Kluthe Center.

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.

INSTRUCTOR WITHDRAWALS FROM COURSES

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.

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.

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.

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 five 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 five 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.	21–29 hrs.	30–38 hrs.
1.5 GPA	1.6 GPA	1.7 GPA
39–47 hrs.	**48–55 hrs.**	**56+ hrs.**
1.8 GPA	1.9 GPA	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), Reading and Study Skills I RDG 050, and Strategies for Success SFS 101, 102, or 103.
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 IRIS or submit a completed Change of Schedule form to Admissions & Records or at the Kluthe Center. Off campus students may contact the local extension center coordinator. 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 Internet Registration and Information System (IRIS) 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 Intent to Enroll. 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. The form is available online at lakelandcollege.edu.

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.

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.

AP TEST TITLE	COURSE/CREDIT HOURS GRANTED	MINIMUM SCORE
Spanish Language & Literature	FLG 140 and FLG 141 (6 hrs)	3
French Language & Literature	FLG 130 and FLG 131 (6 hrs)	3
English Language & Composition	ENG 120 (3 hrs)	3
English Literature & Composition	LIT 130 (3 hrs)	3
Computer Science	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
Physics – Level B	PHY 130, 131 and 132 (8 hrs)	3
Physics – Level C Part 1	PHY 140 (4 hrs)	3
Physics – Level C Part 2	PHY 141 (4 hrs)	3
Calculus AB	MAT 241 (5 hrs)	3
Calculus BC	MAT 241 and MAT 242 (7 hrs)	3
Statistics	MAT 125 (3 hrs)	3
Economics	ECO 130 or ECO 231 (3 hrs)	3
United States History	HIS 155 or HIS 156 (3 hrs)	3
Political Science	POS 160 or POS 162 (3 hrs)	3
Psychology	PSY 271 (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 Tutoring and Testing Center in Webb Hall, or by calling 217-234-5287.

CLEP TEST	MINIMUM SCORE	CREDIT 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
French Language Level 1	50	6 hrs	FLG 130 & 131
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. FLG130/131: Elementary French I and II
   c. FLG140/141: Elementary Spanish I and II
   d. FLG150/151: Beginning German 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 four 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 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. 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 LIBERAL STUDIES (ALS) DEGREE will be awarded to those students who complete a liberal course of study. The ALS 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 Medical Assistant Program must earn a grade of "C" or higher in all MAP Courses and MCS-095 to remain in, and graduate from, the program.

e. 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 one half of the total number of hours required for the degree. Hours earned through Advanced Placement International Baccalaureate and CLEP do not count toward the one-half. Credits transferred from other colleges are evaluated on a course-by-course basis.

6. Filed a Notice of Intent to Graduate 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 Notice of Intent to Graduate form 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 and MCS-095 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 Notice of Intent to Graduate 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.

GENERAL EDUCATION GOALS

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 General Education Committee with the approval of the Lake Land College faculty has adopted the following as specific goals of general education:*

- Communication
- Critical Thinking
- Problem Solving
- Diversity
- Citizenship
- Foundational Knowledge

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.

ARTISANS
LAKE LAND
LAKERS

COLLEGE LIFE

IN THIS CHAPTER:

- ALUMNI ASSOCIATION
- ATHLETICS
- CLUBS
- HONORS EXPERIENCE
- HOUSING
- LAKER POINT
- PARKING
- POLICE DEPARTMENT
- SECOND STORY
- STUDENT ACTIVITY BOARD
- STUDENT AMBASSADORS
- STUDENT GOVERNMENT
- STUDENT IDS
- STUDENT LIFE
- TEXT ALERTS
- TEXTBOOKS/ COURSE MATERIALS
- WLKL

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 is a popularly elected student organization that provides 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 Kluthe 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 designated a public forum and is a student-run publication. It functions under the direction of student editors, volunteer staff writers, cartoonists, photographers and advisor. 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.

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 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 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.
- Once enrolled at Lake Land, successfully complete at least 12 credit hours each semester and maintain a 3.25 semester or cumulative GPA .

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.

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 honors@lakelandcollege.edu, call 217-234-5044 or visit lakelandcollege.edu/honors-program.

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 course materials and textbooks. It is estimated that students save an average of $1,400 a year using the rental system. 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 course materials 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. Consumable items will be purchased by the student.
3. All rented items must be returned to the college by the close of hours on the fifth college business day after the last day of final exams. Beginning on the sixth day, students will be charged new retail price of unreturned rentals.
4. Students will be charged new retail price for defaced or damaged books.
5. Students with unreturned course materials will 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 the main campus, at the Kluthe 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 both on campus and at the Kluthe Center. 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, available to both men and women, 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 Kluthe Center.

CLUBS

Several clubs are available for students to participate in such as: Agriculture Business & Production, Agriculture Transfer, Automotive Technology, Pride, Students With a Testimony, Broadcasting Club, Club IT, Collegiate Veterans Alliance, Common Corners, Construction Specification Institute, Cosmetology, Early Childhood Education & Family Services, Environmental Club, Future Educators of America Club, Future Electronics Technicians, Horticulture Club, Human Service Club, Industrial Technology Association, International Students Association, Math and Science, Nursing, Phi Theta Kappa, Physical Therapist Assistant, Post-Secondary Agricultural, Spanish Club, Students Creating Change, and Theater Club.

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 or from the website.

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 through IRIS 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 with other alumni as well a quarterly e-newsletter 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 the Alumni Association Board of Directors. 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 building is located on the far south end of the campus.

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, including pay phones without using coins.

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 and the college newspaper The Navigator. 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 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. For a list of these caterers and a sample of their menu options, please contact the Director of Auxiliary Services at 217-234-5475.

STUDENT FITNESS CENTER

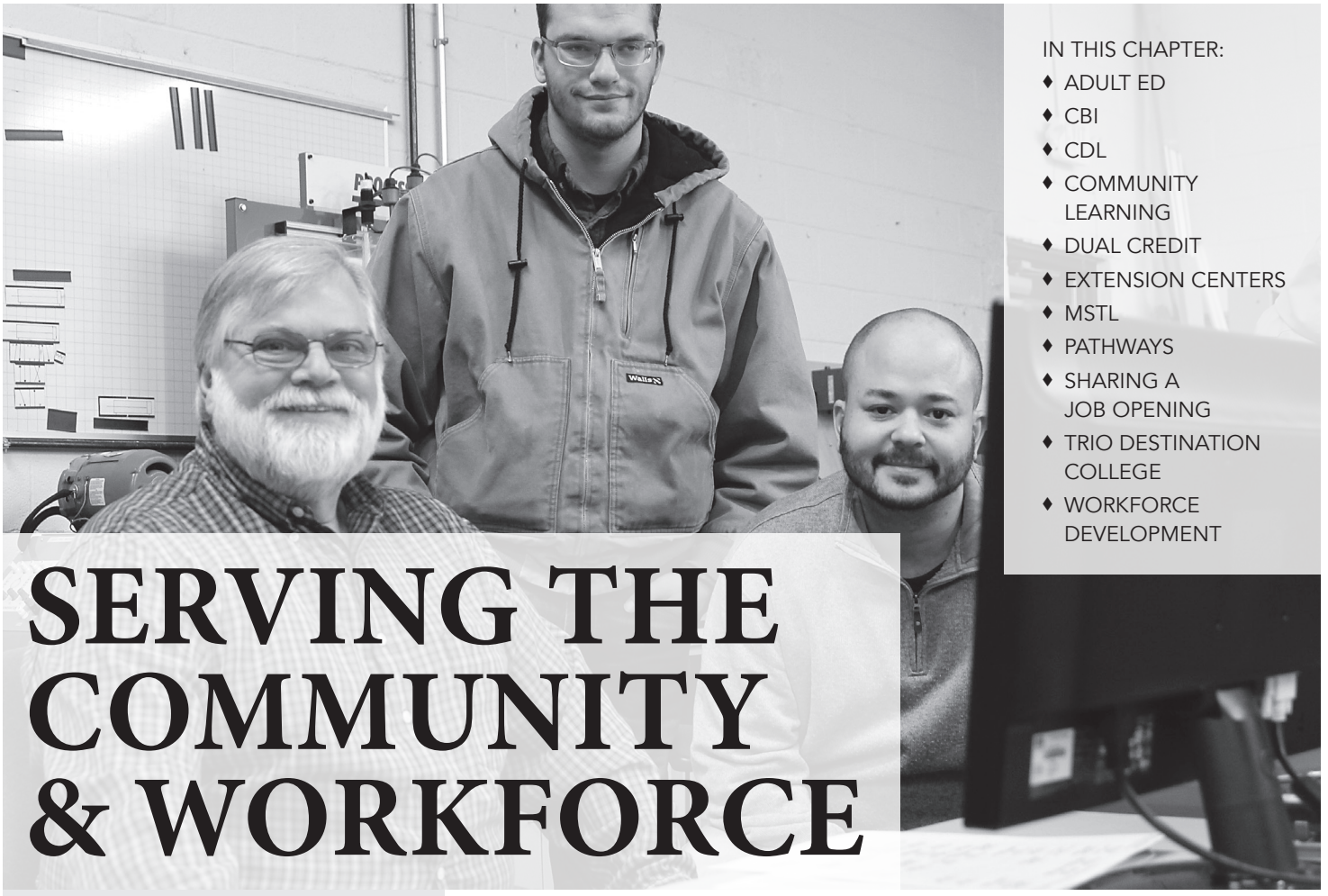
The Fitness Center is equipped with state-of-the-art PRECOR cardio equipment, NAUTILUS circuit training equipment, a free-weight area furnished with PRECOR, NAUTILUS, and TKO weights, and an aerobics room furnished with mirrors, a television, and built-in sound system. The Fitness Center is available 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.



IN THIS CHAPTER:

- ADULT ED
- CBI
- CDL
- COMMUNITY LEARNING
- DUAL CREDIT
- EXTENSION CENTERS
- MSTL
- PATHWAYS
- SHARING A JOB OPENING
- TRIO DESTINATION COLLEGE
- WORKFORCE DEVELOPMENT

SERVING THE COMMUNITY & WORKFORCE

COMMERCIAL TRUCK DRIVER TRAINING

The Commercial Truck Driving training programs provides an opportunity for individuals of all experience levels to earn a CDL, refresh their driving skills and become safer drives.

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 Workforce Development Center, 305 Richmond Ave. East, 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 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. The Center for Business & Industry maintains high standards for training program assessment, design, delivery and evaluation. An experienced staff and broad range of services ensure responsiveness to a variety of training needs. Training courses are available on a business site or at the Center for Business & Industry. These include:

- Comprehensive Leadership Development Programs
- Organizational and Workforce Development
- Continuous Process Improvement and Quality Systems
- Computer Software Applications
- Manufacturing Skills Training
- Commercial Drivers Licensing
- Consulting Services and Strategic Planning Assistance
- Meeting Room Rentals

The Center for Business & Industry is home to the region's only Manufacturing Skills Training Lab. The lab provides hands-on training for necessary skills in modern manufacturing operations; specific training is available for maintenance technicians, lead/technical operators, or those seeking to advance into these positions. The equipment is portable, offering companies the option of sending employees to the lab or hosting on-site training. Training programs include: mechanical drive systems, welding, fluid power, industrial electricity, programmable logic controllers, electronic drives, robotic systems, fluid power for industry, mechanical systems, welding for industry, CNC machining and process troubleshooting. Funding assistance may be available to qualifying companies. The Center for Business & Industry is located in the Workforce Development Center, 305 Richmond Ave. East, Mattoon. For more information call 217-235-1282.

SHARING A JOB OPENING

Career Services facilitates connections between job seekers and employers, including internship opportunities. Area employment opportunities are shared through Career Services' social media on Facebook and Twitter and through Lake Land's LinkedIn page. Career Services also hosts multiple job fairs each year and facilitates on-campus recruitment and interview opportunities. Connect with Career Services at 217-234-5288 or careerservices@lakelandcollege.edu.

COMMUNITY AND PROFESSIONAL PROGRAMS

Community Learning is dedicated to setting your vision in motion, with cost effective education. Visit lakelandcollege.edu/learn. 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 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 identified by course title in the Lake Land College Magazine. These courses vary in length from one class meeting to several. Visit the website at lakelandcollege.edu/learn 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 program is 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 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, Sullivan, Charleston and Mattoon. There is an online course that is available for an additional fee. If you have received a traffic citation in a county other than Coles, Cumberland, Effingham, 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.

DDC Distracted Driving Online is a 90-minute course that helps change driver's risky behaviors and attitudes associated with cell phone use while driving. The course includes a comprehensive self-assessment profile which sets the pace for the course with appropriate scenarios, activities and content based on the individual's responses and risk levels. Fees are due at the time of registration and registration will not be complete until payment has been received.

Visit the website at lakelandcollege.edu/traffic-safety-program/ or contact Traffic Safety at trafficsafetyprogram@lakelandcollege.edu or 217-238-8258.

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.

DUAL CREDIT PROGRAM

Dual Credit is a partnership between Lake Land College and district high schools that provides students the opportunity to earn college credit prior to high school graduation. Dual credit courses are offered in the convenience and comfort of the high school classroom during the regular high school day. Students do not pay tuition for dual credit courses, resulting in significant savings toward college expenses. High schools are charged a fee for dual credit courses and may require students to cover the cost of this fee. Students should check with the dual credit coordinator at the high school about dual credit fees.

Dual credit courses are reserved for high school students who are 16 or older, 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. A placement test study guide is available at lakelandcollege.edu/admissions. For more information about the Dual Credit program, call 217-234-5044 or visit the Dual Credit website.

TRiO DESTINATION COLLEGE

The TRIO Destination College program 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 academic, career, and financial aid advisement to its participants to encourage them to graduate from high school and complete a higher education program of their choice.

Destination College annually serves 592 participants in the 6th to 12th grades of 16 area schools.

Destination College participants have the opportunity to take advantage of the following services:

- Career Exploration – research careers and career site trips.
- Study Skills – test taking strategies, time management and general study skills.
- Academic Tutoring – individual or group tutoring services.
- Parental Education – workshops and information provided to parents.
- Academic Advisement – guide students to completing high school course work in preparation for college admission.
- Mentoring – one on one sessions with DC staff to assist participants in overcoming barriers to college.
- Pre-college Advisement and Application Assistance – benefits of a college education, college admission requirements, research college/ university/vocational school 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.

Students who may benefit from TRIO Destination College, may contact the program for an application.

For more information, phone 217-234-5003, email: triots@lakelandcollege.edu.

PATHWAYS TO THE FUTURE

Pathways to the Future is an alternative education program offered by Lake Land College in cooperation with the Regional Office of Education #11 in Charleston and the Regional Office of Education #3 in Effingham. Pathways serves the student population of Lake Land College's district between the ages of 15 and 21 who have dropped out of school or are at risk of dropping out of school.

The program includes preparation for high school equivalency exams, high school transfer credit courses, job-seeking and job-keeping skills, self-esteem enhancement, computer familiarity and vocational skills. The goal for all students is high school completion through a diploma or high school equivalency.

There are two Pathways classroom sites in Mattoon and one each in Casey, Shelbyville and Effingham. There is no cost to the student.

For more information contact the Director of Adult and Alternative Education at the Workforce Development Center, 217-238-8383 or cstrohl@lakelandcollege.edu.

ADULT ED

Adult Education provides students with a variety of services including school equivalency (HSE) preparation classes, at no cost. Students age 17 and older, who are separated from a high school, may attend free HSE preparation classes at the Workforce Development Center in Mattoon, the Kluthe Center for Higher Education and Technology in Effingham, the Eastern Region Center in Marshall, the Western Region Center in Pana, as well as sites in Arthur, Charleston, Paris and Shelbyville.

Many adult students find that earning a HSE diploma is the first step in preparation for returning to school or entering the job market. A HSE graduation ceremony, complete with caps and gowns, is also held each year. Adult Education also provides vocational classes in nursing, welding, and manufacturing food sanitation throughout Lake Land's district.

For more information on the offerings of the Adult Education program, contact Adult Education at 217-238-8292 or adulteducation@lakelandcollege.edu.

EXTENSION CENTERS

Lake Land College's three 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.

KLUTHE CENTER FOR HIGHER EDUCATION AND TECHNOLOGY, EFFINGHAM

Located in Effingham, the Kluthe Center for Higher Education and Technology serves more than 2,000 students each year. Students can choose from general education, Transfer Ready, and Workforce Ready courses that are offered during the day, evening and weekend. The Kluthe Center is one of the largest extension centers in the state and is located at 1204 Network Centre Blvd., off of I-57/70 and exit 162.

The two-story, 24,000-square-foot structure houses full-time programs including: practical nursing, associate degree in nursing, physical therapist assistant, massage therapy, business administration and criminal justice. The certified nurse assistant program is also offered at the center.

Students may also complete several other certificates or degrees by taking classes only at the Kluthe Center or with a combination of online courses. The center has seven classrooms, a multi-media lab for distance education classes, nursing labs, a physical therapist assistant/massage therapy lab, a science lab, a conference room, a student lounge, computer labs, a resource room, and several offices.

Students can register for classes, meet with a counselor or financial aid representative, complete assessment, obtain a student ID and use library resources at the Kluthe Center. TRiO Student Support, tutoring and online test proctoring services are also available. Classrooms and labs are regularly used for trainings and meetings by area business and community organizations.

Summer College for Youth classes provide summer fun for young students. Community Learning classes such are Oil/Acrylic Painting are offered to the public.

Adult Education offers GED, English as a Second Language, Pathways alternative high school courses, basic computer and food service sanitation courses. Adult Ed also partners with Effingham Unit 40 to offer a short-term welding program in Effingham. Students can complete the program by taking classroom training at the Kluthe Center and welding classes in the evening at the Effingham High School. Adult Ed classes are free to those who qualify.

The college Student Activity Board sponsors monthly events such as Welcome Day, gift card bingo, mini health fair, Spring Carnival and chair massages at the Kluthe Center.

The center staff host a C.E.F.S. sign up event in the fall to provide college funding for students who qualify and a spring visit day for local high school juniors to explore college programs and careers. Office hours are 8 a.m. until 5 p.m. Monday through Friday. The Resource Room is located on the first floor and is equipped with eight computer stations which are available for public use during normal office hours. Summer hours vary.

For more information, call the Director of the Kluthe Center at 217-540-3555 or email kluthe@lakelandcollege.edu.

WESTERN REGION CENTER, PANA

The Western Region Center offers general education and technical courses to residents living on the western edge of the college district. Courses in basic nursing assisting, practical nursing, English, computers, history, literature and math, psychology and sociology are offered on a regular basis at the Center.

The more than 6,000-square-foot facility, located at 600 E. First St., Pana, shares space with the Pana Adult Education Center and houses six classrooms, a resource area, an administrative assistant's office, and an adjunct faculty office. One classroom is equipped as a computer lab, one is equipped as a nursing lab, one is a CNA classroom for the Adult Education Center, while the rest are larger traditional classrooms. Proctoring services for students taking on-line courses and photo IDs are also available.

A community resource area is available to residents who need access to a computer. Community organizations are welcome to use the Western Region Center for meetings or training opportunities.

For more information call 217-562-5000.

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
Agriculture	AGR
Allied Health	AHE
Anthropology	ANT
Art	ART
Associate Degree Nursing	ADN
Automotive Technology	AUT
Bio-science	BIO
Building Construction Technology	BCT
Business	BUS
Chemistry	CHM
Civil Engineering Technology	CET
Commercial Drivers License	CDL
Computer Aided Drafting	CAD
Computer Information Systems	CIS
Computer Integrated Manufacturing	CIM
Cosmetology	COS
Criminal Justice	CJS
Dental Hygiene	DHY
Early Childhood Education	ECE
Earth Science	ESC
Economics	ECO
Education	EDU
Electronics Engineering Technology	EET
Emergency Medical Services	EMS/EMT
English	ENG
English As a Second Language	ESL
Esthetics	EST
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

Department/Area of Study	Prefixes
Independent Study	INS
Industrial Maintenance	IND
Information Literacy	LIB
Information Technology Training	ITT
Intensive English Language	IEL
John Deere Tech	JDA
Journalism	JOR
Law Enforcement	CJS
Literature	LIT
Machine Tool Technology	MTT
Manufacturing Maintenance	MMP
Massage Therapy	MAS
Mathematics	MAT
Mechanical Electrical Technology	MET
Medical Assistant	MAP
Medical Coding Specialist	MCS
Music	MUS
Philosophy	PHI
Physical Education	PED
Physics	PHY
Physical Therapist Assistant	PTA
Political Science	POS
Practical Nursing	PNC
Print Technology	PMT
Programmable Logic Controller	PLC
Psychology	PSY
Radio–TV Broadcasting	RTV
Reading	RDG
Recreation	REC
Service Learning	SLN
Social Science	SOS
Sociology	SOC
Strategies for Success	SFS
Study Abroad	STA
Speech–Theatre Arts	SPE
Technology	TEC
Telecommunications	TEL
Tutoring and Testing	TUT
Welding	WEL
Wind Technology	WND

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 $25

Applied to courses using limited equipment and/or supplies with equipment not rapidly becoming obsolete.

Level 2 ♦ Fees start at $50

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 $75

Applied to courses requiring very expensive equipment or very high usage of supplies.

Level 4 ♦ Fees start at $76

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 201 for more information.

ADULT BASIC EDUCATION (ABB---) AND (ABB---)

A complete list of Adult Education classes is available by calling 217-238-8292.

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 credits, 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. (2.5 credits, 2.5 Lecture)

AGR 041*
Supervised Occupational Exp I
On the job experience as a full-time employee in selected agriculture occupation. Must be in curriculum that degree is awarded. (Repeatable 3 Times) Course Level Fee 3 (3.5 credits, 17.5 Lab/Lab-Discussion)

AGR 042*
Supervised Occupational Exp II
On the job experience as a full-time employee in selected agriculture occupation. Must be in curriculum that degree is awarded. (Repeatable 3 Times) Course Level Fee 3 (2.5 credits, 12.5 Lab/Lab-Discussion)

AGR 043*
Supervised Occupational Experience III
On the job experience as a full-time employee in selected agriculture occupation. Must be in curriculum that degree is awarded. (Repeatable 3 Times) Course Level Fee 3 (3 credits, 15 Lab/Lab-Discussion)

AGR 044*
Supervised Occupational Experience IV
On the job experience as a full-time employee in selected agriculture occupation. Must be in curriculum that degree is awarded. (Repeatable 3 Times) Course Level Fee 3 (3.5 credits, 17.5 Lab/Lab-Discussion)

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 credits, 1 Lecture)

AGR 049
OSHA/Ag Mach Safety
Provides an intensified study into agricultural machinery safety. Focuses on why agriculture machinery accidents happen, how they can be prevented, and how to create a safe working environment. Visual aids are utilized to display effect. (1 credits, 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
Designed to develop a working knowledge of agricultural chemicals as they are related to herbicides and insecticides. Students should have a working knowledge of calibration and maintenance of agricultural chemical equipment.Identification of major weed species in this area 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 visitations at different sites and systems. Course Level Fee 1 (2.5 credits, 2 Lecture, 1 Lab/Lab-Discussion)

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 mono-gastric and ruminant digestive system, essential nutrients, feed ingredients and 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
A.I. Management-Cattle
Provides 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 071
Swine Reproduction and A.I.
Trains individuals to understand reproductive physiology, semen collection and artificial insemination. Course Level Fee 1 (1 credits, 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 the 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, his or her company, and his or her 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
A general introduction into the various aspects and natures of the teaching profession. Opportunities and responsibilities are explored through individual work and site visitations. Evaluations are made to evaluate an individual's potential to teach. (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
Intro/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
Intro/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 040
Basic Nurse Assisting
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 (8 credits, 6 Lecture, 4 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, legal aspects as they apply in the health care setting.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 Lab/Lab-Discussion)

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 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 drug forms, identify administration routes, therapeutic uses, read the prescription, identify drug categories, generic and trade names and associate drugs with clinical applications. Course Level Fee 2 (3 credits, 3 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)

ART (ART---)

ART 100
Drawing I
Fundamental concepts and application of techniques of drawing, using a variety of media. Studies from nature and life-leading to an interpretative approach to understanding the visual environment. Course Level Fee 3 (3 credits, 6 Lab/Lab-Discussion)

ART 105
Photography I
An introductory course that covers the basic principles and techniques of black and white photography including: equipment use, exposure control, film processing and printing, and the aesthetic concerns as a fine art medium. Course Level Fee 3 (3 credits, 0 Lecture, 6 Lab/Lab-Discussion)

ART 110
2-D Design
A comprehensive study of the elements and principles of a two-dimensional design. Experience with a variety of materials and techniques. Course Level Fee 3 (3 credits, 6 Lab/Lab-Discussion)

ART 111
3-D Design
A foundation studio course concerned with understanding how to manipulate basic elements and principles of design to develop visual images that exist in real space. A variety of experiences using different tools and media will be used to understand both the processes and products of 3-D design. Course Level Fee 3 (3 credits, 6 Lab/Lab-Discussion)

ART 161
Printmaking I
Prerequisite: ART100 is required; ART 110 is recommended
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
Prerequisite: ART 100
Continued study of concept and technique of drawing; emphasis 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
Prerequisite: ART 100
Introduction and application to opaque painting media; color mixing, canvas stretching and framing, composition, techniques, and styles of expression. Course Level Fee 3 (3 credits, 6 Lab/Lab-Discussion)

ART 206
Painting II
Prerequisite: ART 205
This course is a continued study of conceptual and technical aspects of opaque painting media, canvas stretching and framing, composition and styles of expression. Emphasis will be 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
A studio art course which explores different methods of working with the media clay. The basic hand building methods of pinch, coil, slab and mold and an introduction to throwing pottery on the wheel will be covered as well as instruction on different methods of surface decoration. Developing good craftsmanship as well as creative inventiveness will also be explored. Course Level Fee 3 (3 credits, 6 Lab/Lab-Discussion)

ART 240
Art and Gender
IAI F2 907 D
Prerequisite: ENG 120
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
Art History I
IAI F2 901
The primary focus of this course will involve an understanding of the historical developments of the visual arts (painting, sculpture, architecture) from Pre-historic through the Gothic period. Works of art will be examined as expressions of ideas, beliefs and practices of artists, cultures and societies. The relationship between the style, symbolism and function of art; the political, religious and philosophical ideas supporting them; and the ideals of the culture that produced them will also be explored. (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 4 (8 credits, 5 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 4 (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 LPN's transitioning into the associate degree (RN) program. Introduces the LPN to concept-based learning, care-mapping, and learning at the associate degree level. A skills review is included. Course Level Fee 3 (2 credits, 1.5 Lecture, 0.5 Lab/Lab-Discussion)

ADN 053
Pharmacology I
Prerequisite: Currently enrolled in ADN 042
Utilizing a concept-based approach, this course introduces the nursing process and the clinical application of drug therapy in prevention and treatment of disease. Course Level Fee 3 (2 credits, 2 Lecture)

ADN 060
Nursing Seminar
Prerequisite: ADN 076 or consent of instructor
Prepares the student for the transition to the role of the graduate associate degree nurse.

Employment issues, legal implications, nursing organizations, continuing education, nursing management and current issues in nursing are identified and discussed. Course Level Fee 3 (1 credits, 1 Lecture)

ADN 061
Health Assessment

Prerequisite: BIO 225 and BIO 226

Enhances basic physical assessment skills needed in the healthcare setting. Body systems are examined individually. Course Level Fee 2 (2 credits, 2 Lecture)

ADN 074
Pharmacology II

Prerequisite: Successful completion of Pharmacology I ADN 053

Prerequisite: Currently enrolled in ADN 076

Continuation of ADN 053. Building upon previous knowledge, the nursing process is utilized to apply pharmacology concepts for patients 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

Prerequisite: Currently enrolled in ADN 078

Continuation of ADN 074. The nursing process is utilized to apply pharmacology concepts for patients 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: ADN 042

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 4 (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 4 (10 credits, 6 Lecture, 2 Lab/Lab-Discussion, 9 Clinical Hours)

AUTOMOTIVE TECHNOLOGY (AUT---)

AUT 048
Intro to Automotive Technology

This course is a study of chemicals, shop safety and operations, tools and equipment, and careers in automotive technology. Techniques associated with electrical/electronics, heating and air conditioning, engine repair, brakes, steering and suspension, and engine performance will be discussed. Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/ Lab-Discussion)

AUT 049*
Intro Med/Heavy Truck Mainteance

Prerequisite: AUT 048

This course is an introduction to medium and heavy duty truck repair. It will focus on safety, hand tools, and general knowledge on how to inspect and do basic maintenance services on trucks and trailers. Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

AUT 050
Engine Repair

This course is a study of engine design, diagnosis, removal, cylinder head and valve train repair. Short block repair, lubricating systems, cooling systems will be discussed and hands on reassembly of the engine is included. Course Level Fee 2 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

AUT 051
Electrical Systems I

This course is a study of the principles of electricity and electrical circuit design and diagnosing. Covers battery diagnosis and service. Starting Systems diagnosis and repair will be discussed. Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

AUT 052
Engine Performance I

This course is a study of computerized engine control system operation and diagnosis. Focusing on computer networks, sensors and ignition systems beginning with and building on basic ignition systems and culminating with computerized unit ignition systems. Course Level Fee 2 (5 credits, 3 Lecture, 4 Lab/ Lab-Discussion)

AUT 053
Brake Systems

This course is a study of the hydraulic principles of drum, disc, and ABS brake systems. Diagnosis and repair of power assisted, drum, disc, and antilock brake systems will be discussed. Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

AUT 054
Heating and Air Conditioning I

Prerequisite: AUT 048 and AUT 051 or consent of instructor

A study of heating and air conditioning fundamentals as used on current automobiles, trucks and farm equipment. Practical experience will be provided in diagnosis, repair and service of various types of components. Course Level Fee 2 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

AUT 059
Electrical Systems II

Prerequisite: AUT 048 and AUT 051 or consent of instructor

This course is a study of diagnosis and repair of the charging and lighting systems. A discussion of accessories, including air bags, gauges, will also be covered. Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

AUT 075
Supervised Occupational Experience

Prerequisite: Sophomore standing with at least one year in the automotive program

Designed to promote on the job experience in automotive technology and apply skills and knowledge learned in the program. The employers & supervising instructors work closely with the student in an off campus job site during the summer session. Course Level Fee 4 (Variable Credit 0.5/5 credits, 15 Lab/ Lab-Discussion)

AUT 076
Auto Transmissions/Transaxles

Prerequisite: AUT 048 or consent of the 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 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

AUT 080
Steering and Suspension

Prerequisite: AUT 048 and AUT 053 or consent of instructor

This course is a study of steering systems, front and rear suspension systems. It also covers basic wheel alignment, diagnosis and repair culminating in complete four wheel computerized alignment. Course Level Fee 2 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

AUT 081
Engine Performance II

Prerequisite: AUT 051 and AUT 052 or consent of instructor

This course is a study of fuel and exhaust systems, including TBI, PFI, SFI and direct fuel injection. Diseal fuel injection and turbo-chargers will also be discussed. Course Level Fee 1 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

AUT 082
Manual Dr Train and Axles

Prerequisite: AUT 048 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 (5 credits, 3 Lecture, 4 Lab/Lab-Discussion)

AUT 083
Engine Performance III

Prerequisite: AUT 081 or consent of instructor

This course is a study of emission control systems. Individual emission control devices including EGR, PCV, AIR, Particulate Filters, DEF systems, catalytic converters, and spark timing controllers are discussed. Course Level Fee 1 (2 credits, 1 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 085*
Special Topics in Bio Science

Designed for elementary and secondary teachers to provide an essential background in the application of science to a topic of societal interest. Course may be repeated for credit if a different topic is taught. (Repeatable 3 Times) (Variable Credit 0.5/3 credits, 3 Lecture)

BIO 100
Bio Science I

IAI L1 900L

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 L1 910L

Prerequisite: BIO 100

A survey of the plant kingdom with emphasis on evolutionary advancements and the structure and function of plants and their economic importance. Course Level Fee 1 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

BIO 116
General Zoology

IAI L1 910L

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 in a comprehensive overview. Material covered includes the following: 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. An in-depth study of North American vertebrates with emphasis on Illinois species. Includes taxonomy, distribution, habitats, adaptation, and economic importance. 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 BIO225, Human A & P I. 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

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)

BUILDING CONSTRUCTION TECH (BCT---)

BCT 041
Post Frame Construction

Prerequisite: BCT 050 and BCT 045

This course is designed to teach the students proper building construction techniques using a combination of lecture and hands-on experience. Emphasis is placed on job-site safety, framing techniques, window & door installation, roof installation, and siding. Course Level Fee 1 (Variable Credit 2/4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

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 054
Basic Carpentry I

A combination of hands-on experience and classroom activities are utilized to teach the students basic rough carpentry skills including the proper use of tools and modern framing techniques. Course Level Fee 4 (4 credits, 0.5 Lecture, 7 Lab/Lab-Discussion)

BCT 055
Basic Carpentry II

This course further develops the skills learned in BCT 054 and places more emphases on finishing the interior and exterior of residential construction projects. Course Level Fee 4 (4 credits, 0.5 Lecture, 7 Lab/Lab-Discussion)

BCT 062
Architectural Drafting II

Prerequisite: BCT 045 and BCT 050 and TEC 045

Emphasis is placed on residential and small commercial design. Problems presented have varied materials and structural systems. Some emphasis is placed on building code requirements. CAD Incorporated. 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 (4 credits, 1 Lecture, 7 Lab/Lab-Discussion)

BCT 064*
Construction Surveying Layout

Prerequisite: CET 060 and TEC 052

This course will focus on the fundamentals of building layout, grade staking, topographic surveying, the use of a laser level, cut and fill calculations, checking square, and will further develop the leveling and angular measurement skills learned in Surveying I. (Repeatable 3 times). Course Level Fee 2 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

BCT 076
Architectural Design

Prerequisite: BCT 062

The study of architectural design considerations which 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 078
Architectural S.O.E.

Enables the student to gain on the job experience in the construction industry. 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 4 (Variable Credit 0.5/5 credits, 25 Lab/Lab-Discussion)

BCT 089
Construction Estimating

Prerequisite: BCT 045 and BCT 050

Prepares students to do quantity take offs on material, equipment and labor estimates for building construction. Incorporates computer estimating. 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)

BUSINESS (BUS---)

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. This course is repeatable for credit. (1 credits, 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 and is repeatable for credit. Course Level Fee 1 (4 credits, 20 Lab/Lab-Discussion)

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 credits, 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. This course is repeatable for credit. (1 credits, 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 and is repeatable for credit. Course Level Fee 1 (4 credits, 20 Lab/Lab-Discussion)

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 credits, 1 Lecture)

BUS 079
Professional Development

Designed as a pre-employment course. Areas of study include job search, professionalism, and communications. Course Level Fee 1 (3 credits, 3 Lecture)

BUS 080
Office Professional Seminar

This course is designed to enhance and promote soft skills related to successful employment. Students will also discuss workforce and personal behaviors. (1 credits, 1 Lecture)

BUS 081
Office Assistant Internship

Prerequisite: BUS 079

Designed to provide employment experience in a position using specialized skills. Field experience: minimum of 180 hours required of Office Assistant (Executive and Legal) and Office Manager majors. Course Level Fee 2 (3 credits, 15 Lab/Lab-Discussion)

BUS 082
Medical Transcriptionist Internship

Prerequisite: Take BUS 063 and BUS 079 and BUS 084 and minimum typing speed of 50 words per minute

Corequisite: BUS 080 speed of 50 words per minute

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. Field experience: 180 hours. Course Level Fee 2 (3 credits, 15 Lab/ Lab-Discussion)

BUS 083
Ofc Asst Internship-Med

Prerequisite: BUS 079 and BUS-115

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 180 hours. Course Level Fee 2 (3 credits, 15 Lab/ Lab-Discussion)

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 credits, 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 credits, 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 Lab/Lab-Discussion)

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
Prin 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
Prin 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, techniques for closing the sale, and managing the salesforce. (3 credits, 3 Lecture)

BUS 093
Securities/Investment

Designed to increase knowledge in investment activities by providing basic information needed for sound personal investment through exploring a variety of investing fields and tools. (3 credits, 3 Lecture)

BUS 094
Business Math

Covers basic applications of mathematics in the business world percentages, elementary algebra, purchasing, selling, interest, future value, present value, etc. It is designed to reinforce and expand business concepts held by the student 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 097
Principles of Cost Accounting

Prerequisite: BUS 151 with grade of C or higher

A study of job order, process and standard cost systems and management's uses of cost information for planning and control. (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 which 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, e-mail 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, e-mail, 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 a practical strategy for creating successful communication products used in business. 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 151
Financial Accounting

IAI BUS 903

Prerequisite: High School Accounting or BUS 085 or 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 152
Managerial Accounting

IAI BUS 904

Prerequisite: BUS 151

Designed to use accounting information to help management make decisions concerning product costing, planning and controlling operations in an ever-changing business environment. (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 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, resources and objectives, cultural environment and the existing business structure. (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. Includes review of applicable computer software. (3 credits, 3 Lecture)

BUS 285
Labor Relations

Prerequisite: BUS 142 or consent of instructor

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 287
Intro to International Business

Prerequisite: BUS 142 or consent of instructor

An introduction to international trade theory and practice, with special emphasis on cultural diversity in the areas of marketing, management, finance, economics, and the environment in which businesses function. Transfers as elective credit only.(3 credits, 3 Lecture)

BUS 290
Human Resource Management

Prerequisite: BUS 142 or consent of instructor

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)

CHEMISTRY (CHM---)

CHM 085*
Special Topics in Chemical Science

Designed for elementary and secondary teachers to provide an essential background in the application of science to a topic of societal interest. The course may be repeated for credit if a different topic is taught. (Repeatable 3 Times) (3 credits, 3 Lecture)

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

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: To be taken concurrently with CHM 254

This course is a continuation of Organic Chemistry I (CHM 243) with focus on aromatic chemistry, carbonyl functional groups, and biomolecules. (4 credits, 4 Lecture)

CHM 253
Organic Chemistry Lab I

Corequisite: CHM 243

Prerequisite: CHM 151

Laboratory course introduces synthesis and the basic techniques for the separation, isolation, purification and identification of organic compounds. Course Level Fee 3 (1 credits, 3 Lab/Lab-Discussion)

CHM 254
Organic Chemistry Lab II

Corequisite: Course is designed for concurrent registration in CHM 244.

Prerequisite: CHM 243 and CHM 253

Laboratory experiments in organic chemistry with a focus on multi-step synthesis. Course is designed for concurrent registration in CHM 244. Course Level Fee 3 (1 credits, 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 credits, 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 credits, 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 credits, 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. (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 credits, 1 Lecture)

CET 051
Civil Construction I

Study of civil construction including types of projects, personnel, equipment, materials, and methods. Blue print 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 proportioning. 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 Lab/Lab-Discussion)

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 Lab/Lab-Discussion)

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 focusing 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

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; drainage area and volume of flow calculations. (3 credits, 3 Lecture)

COMMERCIAL DRIVERS LICENSE (CDL---)

CDL 010
CDL Recertification

Prerequisite: CDL 040

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 reissues a current completion certificate as required by most employers to be eligible for entry level employment. (0.5 Credits, 1 Lab/Lab-Discussion)

CDL 011
Illinois Class B Driver License Prep

This course prepares the student with core knowledge and skills needed to pass Illinois Secretary of State Class B written and behind-the wheel licensing tests. Course Fee of $333. (2 Credits, 1 Lecture, 2 Lab/Lab-Discussion)

CDL 040
Commercial Truck Driver Training

Prerequisite: Be able to read and write the English language well enough to be able to communicate. Must be 18 years of age or older. Must be able to meet the Federal Department of Transportation physical requirements. Have a valid regular driver's license.

As a result of participating in this course, the student will: Illustrate and operate backing up procedures, inspections, and other yard activities. Demonstrate and operate road driving procedures. Course Fee $1,150. (7 Credits, 3 Lecture, 8 Lab-Lab Discussion)

COMPUTER AIDED DRAFTING (CAD---)

CAD 052
Microstation CAD I

Prerequisite: One semester drafting or instructor consent Student will learn to use the Integraph

Microstation Computer-Aided Drafting system to create simple to moderately complex technical drawings. Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

CAD 056*
CAD I

Basic Theory of CAD. Student 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 (CAD056). Such subjects as Symbol Libraries, Block Attributes, 3 D Design and Solid Modeling. 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. Such subjects 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 using Revit and AutoCad. Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

CAD 060
3D Solid Modeling

Prerequisite: CAD 057

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 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 CA A.A.S. degree or CAD A.A.S. degree and approval of 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 Lab/Lab-Discussion)

COMPUTER INFORMATION SYSTEMS (CIS---)

CIS 040*
Introduction to Computers

An operational oriented course which involves student experience using hardware, software, peripherals, operating procedures, and internet. Designed for novice computer users. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 1 Lecture)

CIS 047*
Graphic Design Capstone

Prerequisite: CIS 160 and CIS 098 and CIS 092 and CIS 088 and CIS 090 and 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 049*
Content Management Systems

Corequisite: CIS 099

This course covers the creation and maintenance of a website using a content management system. The course will include, but is not limited to, business content, adding widgets and plugins, blogging, commenting, theme development, and user account setup. Repeatable 3 Times) Course Level Fee 3 (2 credits, 2 Lecture)

CIS 051*
Designing for the Web

Prerequisite: CIS 099 and CIS 088 or equivalent experience Tools, techniques, and design theory for creating well-designed web sites. (Repeatable 3 Times) Course Level Fee 3 (3 credits, 3 Lecture)

CIS 052*
Visual Basic

Prerequisite: CIS 156 or consent of instructor

Continuation of fundamentals of programming including selection,iteration, and condition structures. Introduction to graphical interface(s) and object-oriented, event-driven applications requiring the use of events, arrays, classes, inheritance, file handling, error handling and more. Also includes ASP.NET applications and ADO.NET applications. (Repeatable 3 Times) Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

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, powerpoint, form management, calculator, medical scheduling and invoicing, and legal document preparation. (Repeatable 3 Times) Course Level Fee 3 (3 credits, 3 Lecture)

CIS 060*
Project Management

An overview of project management as it applies to information technology projects. Project management software will be introduced. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 2 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 069*
Advanced Animation and Modeling

Prerequisite: CIS 063

Advanced features of modeling and animation software will be covered including building and character creation, texturing and animation. Emphasis will be placed on the importing of models from the environment and exporting of completed models to other applications. (Repeatable 3 Times) (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 credits, 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 083
Systems Design

Prerequisite: CIS 095 and CIS 156 and CIS 052 and CIS 162 and CIS 164

Study of the Systems Development Life Cycle including documentation standards, software packages, data communications and systems conversions will be covered. Emphasis is placed on analyzing, designing, implementing and documenting a complete system. (Repeatable 3 Times) Course Level Fee 2 (4 credits, 3 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 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 software, a PostScript-based drawing program, is used to create sophisticated artwork which can be imported into other programs for further manipulation. (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
Structured Query Language will be used to design and manage a database. (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 graphic 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 focuses on creating and maintaining web pages using HTML5 and CSS3 Code. 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, E-mail, and other internet skills. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 2 Lecture)

CIS 156*
Computer Logic
Familiarizes the student with techniques and problem-solving aids necessary for the solution of computer programming. The exercises will use a programming language to develop the skills needed for solving problems. (Repeatable 3 Times) Course Level Fee 2 (3 credits, 3 Lecture)

CIS 160*
Practical Software Applications
IAI BUS 902
Provides an opportunity for the student to work with various types of computer software. These learning activities include MS Windows, word processing, spreadsheet design, database management, Internet access, 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 develops an understanding of data types, methods, classes, objects, programming structures, functions, and arrays. (Repeatable 3 Times) Course Level Fee 2 (3 credits, 3 Lecture)

CIS 164*
Object-Oriented Programming II
Prerequisite: CIS 162
This course teaches advanced concepts in object-oriented programming. It develops an understanding of Windows programming, events, inheritance, data files, debugging, exceptions, and Web-based applications. (Repeatable 3 times) Course Level Fee 2 (3 credits, 3 Lecture)

CIS 170*
Object-Oriented Programming III
Prerequisite: CIS 156 CIS 162 and CIS 164 or instructor consent
This course teaches advanced concepts in object-oriented programming including data structures, threads, animation, networking, databases, ASP.NET and XML. (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 050*
CNC Machine Operator
Prerequisite: MTT 050
A study designed to highlight the theory and application of CNC machining centers, machine configuration, fixture and tool offsets/ compensations, production runs, setup and cycle time reductions. Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

CIM 060
CNC Machining
Prerequisite: MTT 050 and CAD 056 or concurent 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. (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)

LAW ENFORCE/CRIMINAL JUSTICE (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 056
Illinois Concealed Carry Handgun
Prerequisite: Be at least 21 years of age; have a valid FOID card if a non-resident; not have any disqualifiers as described under the Illinois Firearm Concealed Carry Act.
This course provides required training to individuals who want to pursue a concealed carry permit under Illinois Public Act 98-0063. This is the complete 16 hour course which includes classroom and practical experience on a firing range. Course Level Fee 4 (1 credits, 1 Lecture)

CJS 057*
IL Concealed Carry Supplement
Prerequisite: Successful completion of an approved training course as illustrated in Public Act 98-0063; be at least 21 years of age; have a valid FOID card (if Illinois resident) or be eligible for a FOID card if a non-resident; not have any disqualifiers as described under the Illinois Firearm Concealed Carry Act.
This course provides the supplemental eight hour training to individuals who want to pursue a concealed carry permit under Illinois law and have successfully completed an approved training course per Public Act 98-0063. Course Level Fee 4 (0.5 credits, 0.5 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 080
Introduction 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 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 090
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 091
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 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 104*
Criminal Justice Seminar & Internship
Prerequisite: Sophmore standing; 12 credit hours of CJS classes.
Off-campus work experience in the criminal justice field. Students will be assigned to a criminal justice agency(s) and observe the criminal justice field. Open to criminal justice majors only. Subject to internship coordinator and agency approval, including background check. Course Level Fee 3 (Variable Credit 0.5/4 credits, 1 Lecture, 15 Lab/ Lab-Discussion)

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 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 153
Police Operations
Prerequisite: Take CJS-150
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 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
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 effect on the system will be examined. (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)

CONTINUING EDUCATION (CNC---)

CNC 021*
Special Topics in Exploring Careers
Participants learn the basics of exploring careers. This course will provide an essential background and application of career exploration. (Repeatable 3 Times) (Variable Credit 0.5/2.5 credits, 2.5 Lecture)

COSMETOLOGY (COS---)

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 and 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 and COS 052 and 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 and COS 052 and COS 054 and 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 on the microcomputer. These learning activities include MS Windows, word processing, spreadsheet design, database management,

Internet access, and cosmetology specific software. Course Level Fee 2 (3 credits, 3 Lecture)

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)

DENTAL HYGIENE (DHY---)

DHY 039
Nitrous Oxide-Dental Assistant

The Illinois Dental Practice Act identifies nitrous oxide sedation monitoring as a dental assisting duty. The Dental Assistant will receive didactic and clinical training that will qualify him/her to monitor this form of pain control. (1 credits, 1 Lecture)

DHY 041
Dental Terminology

This course prepares the student to enter the dental hygiene program by introducing terms commonly used in the practice of dentistry and dental hygiene. The student will also be exposed to basic numbering systems and charting methods. Course Level Fee 1 (0.5 credits, 0.5 Lecture)

DHY 043
Dental Hygiene Board Review

Generalized review of dental hygiene curriculum that helps to prepare the student to take the National Dental Hygiene Board Examination. Course Level Fee 1 (0.5 credits, 0.5 Lecture, 0.5 Lab/Lab-Discussion)

DHY 044
Admin of Local Anesthetics

This course is designed to educate and give clinical experience to the Dental Hygienist in the administration of local anesthesia, in compliance with the Dental Practice Act. (2.5 credits, 2.5 Lecture)

DHY 045
Radiology

This course is designed to include the principles and biological effects of radiation and safety measures used in dental radiology. Correct methods of exposing, processing, and mounting intraoral radiographs for diagnostic purposes will be stressed. Course Level Fee 4 (4 credits, 2 Lecture, 6 Lab/Lab-Discussion)

DHY 060
Dental Assisting

This course is an 8-week module in Dental Assisting to prepare the student in those areas pertinent for employment in the dental office. Does not qualify for Federal Title VI financial aid or Illinois Monetary Award (MAP). Course Level Fee 4 (8 credits, 5 Lecture, 6 Lab/ Lab-Discussion)

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. Course Level Fee 2 (2 credits, 2 Lecture)

DHY 067
Dental Anatomy

Prerequisite: Admission into Dental Hygiene Program

This course is designed to provide a thorough knowledge of the head, neck, teeth, and related structures. 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, 9 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 a 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, 7.5 Lab/Lab-Discussion)

DHY 080
Pathology

This course gives a brief insight into general principles of pathology with heavy emphasis on specifics of oral pathology. Terminology will be taught in addition to 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, and philosophy of treatment, the role of the dental hygienist in patient education for the prevention of periodontal problems, and the chairside management of these pathological conditions. (3 credits, 3 Lecture)

DHY 082
Dietary Analysis for the DH/Seminar I

This 1 1/2 credit hour course further introduces the dental hygiene student to clinical responsibilities required in providing patient treatment and nutrition. (1.5 credits, 1.5 Lecture)

DHY 083
Clinic I

Prerequisite: DHY 072

Requires the student to perform under supervision, a specific number of oral prophylaxis on child and adult patients. Some advanced skills will be introduced and experience is gained in sterilization and reception responsibilities. Course Level Fee 4 (3 credits, 6 Lab/Lab-Discussion, 3 Clinical Hours)

DHY 084*
Dietary Analysis for the DH/Seminar II

This course broadens the dental hygiene student's clinical skills focusing on individual patient needs and assessment and dietary analysis. Course Level Fee 1 (1.5 credits, 1.5 Lecture)

DHY 086
Pharmacology

This course focuses on the study of drugs affecting the practice of dentistry. (2 credits, 2 Lecture)

DHY 087
Special Needs

This course provides for continuing advancement in clinical and community settings. Content includes treatment of special needs patients, the development of a pre-school educational model. (2 credits, 2 Lecture)

DHY 088
Clinic II

Prerequisite: DHY 083

This course is designed to improve the clinical skills of the dental hygiene student. Focus is on total assessment of individual patient needs, advanced instrumentation procedures and the special needs patient. Course Level Fee 4 (4 credits, 12 Clinical Hours, 0 Lab/ Lab-Discussion)

DHY 089
Lab Proced/Dent Hyg
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 for Dental Hygienist
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. Course Level Fee 3 (2 credits, 1 Lecture, 3 Lab/Lab-Discussion)

DHY 092
Dent Public Health
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 credits, 3 Lab/Lab-Discussion)

DHY 093
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, employment and the organization of the American Dental Hygienists' Association are topics that will be introduced and discussed. (3 credits, 3 Lecture)

DHY 094
Clinic III
Prerequisite: DHY 088
This course provides continued advancement of clinical competencies. The student is required to perform additional functions in clinical settings to broaden clinical skills. Treatment will, also, be provided for patients from selected outside agencies. Course Level Fee 4 (4 credits, 12 Clinical Hours, 0 Lab/Lab-Discussion)

DHY 095
Dietary Analysis for the DH/Seminar III
The purpose of this course is to expand the dental hygiene student's knowledge base and skills in preparation for clinical practice as an entry level registered dental hygienist with a focus on nutrition and dietary analysis/counseling. (1.5 credits, 1.5 Lecture)

DHY 096
Community Dental Health
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)

EARLY CHILDHOOD EDUCATION (ECE---)

ECE 041*
The Creative Play Classroom
The emphasis in this course is on developing hands-on materials that enhance play in a creative learning environment. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 1 Lecture)

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 052
Heads Up! Reading
This course focuses on developmentally appropriate methods for enhancing literacy development in young children from birth through age five, analyzing and selecting literature for diverse groups, the teacher's role in promoting language and literacy, and applying these methods in early childhood settings. (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 credits, 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 analyzation 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 (ECE125) and includes preparation of credentials for seeking employment. (1 credits, 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 Lab/Lab-Discussion)

EARTH SCIENCE (ESC---)

ESC 085*
Special Topics in GIS Science
Designed to provide an essential background in the application of geospatial science to a topic of societal interest. May be repeated for credit if a different topic is taught. (Repeatable 3 Times) (3 credits, 3 Lecture)

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 with focuses 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. Course Level Fee 2 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

ESC 104
Physical Geography
IAI P1 909L
Stresses the physical environment of 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)

ESC 106
Introduction to Geographic Info Systems
Introduction to basic Geographic Information Systems (GIS) concepts, using the ArcView GIS software program. Course will focus on developing both a theoretical background in the technology and real world applications using GIS techniques. Course Level Fee 4 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

ESC 114
Advanced Vector GIS
Laboratory experiments in organic chemistry with a focus on multi-step synthesis. Course is designed for concurrent registration in CHM 244. Course Level Fee 2 (3 credits, 1.5 Lecture, 3 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, 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 025
Paraprofessional Test Prep
This course is as a refresher/review course for paraprofessionals that have learned the subject matter earlier in their educational experience in order to prepare for the Paraprofessional Certification test mandated by the No Child Left Behind (NCLB) Act. (0.5 credits, 0.5 Lecture)

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 hours 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 utilization in K-12 classrooms. 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 & systems. Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 049
Robotics Fundamentals
Introduces the concepts of robotics, automation, and guided vehicles by looking at various applications, types, classifications and operation. Operator and safety precautions are stressed. (1 credits, 1 Lecture)

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, 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 2 Times) Course Level Fee 2 (2 credits, 2 Lecture)

EET 056
Electronic Circuit Design/Fabrication
Designed to present through actual practice the elements of electronics drafting and fabrication. Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

EET 057
Computer Systems Architecture
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 installation, upgrading, troubleshooting, hardware, networks, and 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

Prerequisite: EET 060 and CIS 081 or consent of instructor

This course covers material needed to pass the Computing Technology Industry Association Net+ and Electronics Technicians Association CNST exam. Topics include an in-depth look at data transmission and covers 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 trouble shooting and is designed to simulate problems in home or business computers. Student will be given a description of the problem from an operators viewpoint and will correct the problems encountered. 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*
Residential Wiring I

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 071
Routing & Switching Fundamentals

Prerequisite: EET 050 and EET 056 and EET 076

Provides the student with practical skills needed to configure and connect routers and switches. It also discusses trunking, access list, and WANS. Connectivity to other electronic controls systems. Course Level Fee 1 (3 credits, 2 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 electronical motor controllers. Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

EET 074*
Supervised Occupational Experience

Prerequisite: Sophomore standing in Electronics

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 Lab/Lab-Discussion)

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, basic animation, using and creating logic scripts, using DDE, setting alarms, charts and trending, 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, Hexidecimal, BCD, logic theory, AND,OR, NOT, NAND, 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. (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 079
R.F. Communication Licensing

Prerequisite: EET 046 or concurrent entollment in EET 080

Corequisite: EET-080 and EET-047

Preparation for NABER, NARTE, SBE and F.C. - General Radiotelephone License tests. Radio low, R.C.C. rules and regulations related to licensing and review of basic electronics and radio theory pertinent to tests. (1 credits, 1 Lecture)

EET 081
Physical Computing W/ Rasp Pi

Prerequisite: EET 076

Principles of micro controllers. Topics include: Flow charting, Input-output devices and interfacing, Signal conditioning, Programming, and basic process control using a micro controller. Class stresses using the micro controllers to control I/O devices. Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/ Lab-Discussion)

EET 085*
STEM Projects

Corequisite: Take EET-080 and EET-081

Prerequisite: EET-076, EET-078, 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 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 PLC's. Topics include: Basic ladder design, Input Output, Timers, Counters,

Batch Processes, Shift registers, Word compare, and Math. 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 the Micrologix 1000 PLC operation and programming using Rslogix500 software and Allen Bradley PLC's. Topics include Analog I/O, Math and Data handling instruction, program flow, message instructions, and communication protocols. Course Level Fee 1 (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)

EMERGENCY MEDICAL SERVICES (EMS---)

EMS 050*
Emergency Medical Tech-Basic

Prerequisite: At least 18 years of age, high school diploma or GED and a current AHA BLS CPR card.

Immunizations: Hepatitis B., TB, DT/Tetanus, MMR (if you have immunizations, a copy of what you have is acceptable), physical exam, copy of current Driver's License or State I.D., Background check non-refundable online application Cost of $34, Drug Screening at Sarah Bush Lincoln Health Center Occupational Health. ($32) 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 successfully completing this course will be eligible to take the EMT-Basic licensing examination. (Repeatable 3 Times) Course Level Fee 3 (7.5 credits, 6 Lecture, 3 Lab/ Lab-Discussion)

EMS 055*
Introduction to First Response

Introduction to First Response provides an introduction to the basic knowledge and skills necessary for emergency medical training. This course is designed for persons who are first on the scene of an injury or medical illness. (Repeatable 3 Times) (3 credits, 3 Lecture)

EMS 061
Fundamentals of Paramedicine I

Co-Requisite: concurently enrolled in 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 trauma patient. Course Level Fee 3 (4.5 credits, 4.5 Lecture)

EMS 062*
EMS Pharmacology

Prerequisite: EMS 061 EMS 064 EMS 068 EMS 071 EMS 074 EMS 078

Corequisite: EMS 084 EMS 086 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 050 or BIO 050 or BIO 225

Corequisite: Concurrently enrolled in 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. Course Level Fee 3 (4 credits, 1.5 Lecture, 5 Lab/ Lab-Discussion)

EMS 068
Clinical Experience I

Corequisite: Concurrently enrolled in 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 Lab/ Lab-Discussion)

EMS 070*
First Responder

Provides basic emergency medical training to those persons who might be first on the scene of an injury or medical illness. Students successfully completed the course will be registered as First Responders withthe Illinois Department of Public Health. (Repeatable 3 Times) (4 credits, 3 Lecture, 2 Lab/ Lab-Discussion)

EMS 071
Fundamentals Paramedicine II

Prerequisite: EMS 061 and EMS 064 and EMS 068 Corequisite: Concurrently enrolled in 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 across the lifespan including psychiatric issues and special populations. Observation time required. Course Level Fee 3 (4 credits, 4 Lecture)

EMS 074
Paramedical Care Skills II

Corequisite: EMS 071 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. Course Level Fee 3 (1 credits, 0.5 Lecture, 1 Lab/Lab-Discussion)

EMS 078
Clinical Experience II

Prerequisite: EMS 061 and EMS 064 and EMS 068 Corequisite: Concurrently enrolled in 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 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS-078

Corequisite: Concurrntly enrolled in EMS 086 and EMS 088 and EMS 062 EMS-078

This course provides the paramedic student with the skills needed to manage a medical patient including all of the body systems. Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

EMS 086
Fundamentals Paramedicine III

Prerequisites: EMS 061 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS 078

Corequisite: Concurrently enrolled in EMS 062 and EMS 084 and EMS 088 EMS 078

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. Course Level Fee 3 (4 credits, 4 Lecture)

EMS 088
Clinical Experience III

Prerequisite: EMS 061 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS 078

Corequisite: Concurrently enrolled in EMS 062 and EMS 084 and EMS 086 and EMS 078

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

Prerequsitie: EMS 061 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

Corequisite: Concurrently enrolled in EMS 098 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

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. Course Level Fee 3 (2 credits, 2 Lecture)

EMS 094
Paramedical Care Skills IV

Prerequisite: EMS 061 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

Corequisite: Concurrently enrolled in EMS 092 and EMS 098 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

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
Parmedic Capstone Internship

Prerequisite: EMS 061 and EMS 064 and EMS 068 and EMS 071 and EMS 074 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

Corequisite: Concurrently entolled in EMS 092 and EMS 094 and EMS 078 and EMS 062 and EMS 084 and EMS 086 and EMS 088

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, 7.5 Clinical Hours)

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)

EMT 013*
Special Topics in EMS II

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)

EMT 020*
BLS Instructor Course

Prerequisite: Current Healthcare Provider CPR card. Regional Faculty & CTC recommendation

Provides the student with the knowledge and skills needed to serve as faculty for AHA BLS and PBLS Provider courses. Those successfully completing the course will receive instructor recognition from the American Heart Association. (Repeatable 3 Times) (1.5 credits, 1 Lecture, 1 Lab/Lab-Discussion)

ENGLISH (ENG---)

ENG 005*
Foundations in Composition

This course enables students to upgrade writing skills through a concentration on grammar and sentence structure. Areas included are parts of speech, parts of sentence and punctuation. (Repeatable 3 Times) Course Level Fee 2 (3 credits, 3 Lecture)

ENG 007*
Composition Skills

Prerequisite: Must assess into ENG 007 or take ENG 005 with a minimum grade of "C".

Students will review the basics of spelling, grammar, and the components of the short essay. Students will, by the end of the term, produce thoroughly revised essays that are free of all major grammar and readability errors. (Repeatable 3 Times) Course Level Fee 2 (3 credits, 3 Lecture)

ENG 020
Composition Co-Req

Students will review the basics of grammar, the components of the short essay, and revision. Students will produce thoroughly revised essays that are free of all major grammar and readability errors. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 2 Lecture)

ENG 050
Writing for Industry

Students will learn strategies for writing essays, instructions manuals, proposals, reports, 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 communications 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 099
Communications II

Prerequisite: ENG 098

Students will continue to enrich the listening, speaking, and writing skills introduced in Communications I. Emphasis is placed on research, report writing, and communication skills for the upwardly mobile career student. Course Level Fee 2 (2 credits, 2 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: Must assess into ENG-007 or take ENG-005 with a minimum grade of "C"

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: Must assess into ENG-120 or take ENG-007 with minimum grade of "C".

Students will study the writing process by reading essays that illustrate a variety of rhetorical strategies, analyzing writing tasks and texts, and writing, revising, and editing short essays. 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 120 and ENG 121 advised

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 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

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 015*
ESL-Entry Level II

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 016*
ESL-Entry Level III

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 017*
ESL-Intermediate Level I

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 018*
ESL-Intermediate Level II

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 019*
ESL-Intermediate Level III

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 020*
ESL-Advanced Level I

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 021*
ESL-Advanced Level II

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 Lecture)

ESL 022*
ESL-Advanced Level III

Prerequisites: Placement is based on formal and informal assessment.

(Repeatable 3 Times) (Variable Credit 0.5/ 4 credits, 4 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 and 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 and EST 042 and 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)

FOREIGN LANGUAGE (FLG---)

FLG 130
Elem French I

Focuses on principles of grammar, phonetics, pronunciation and drill in rhythm and intonation. Reading of simple French text and conversation. (3 credits, 3 Lecture)

FLG 131
Elem French II

Prerequisite: FLG 130

Continued emphasis on grammar, phonetics, and pronunciation with exercises in speaking, reading of simple French text and conversation. (3 credits, 3 Lecture)

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 230
2nd Year French I

Prerequisite: FLG 131

Grammar and exercises in composition, conversation and reading. Reading of advanced literacy works. (3 credits, 3 Lecture)

FLG 231
2nd Year French II

Grammar and exercise in composition, conversation and reading. Readings of advanced literary works. (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 900N
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)

GEOSPATIAL INFORMATION SYSTEMS (GIS---)

GIS 090
Introduction to Geospatial Technology
Introduction to basic Geographic Information Systems (GIS) concepts, using the ArcGIS-ArcView GIS software program. Course will focus on developing both a theoretical background in the technology and real world applications using GIS techniques. Course Level Fee 4 (4 credits, 3 Lecture, 2 Lab/ Lab-Discussion)

GIS 091
Advanced GIS
Prerequisite: GIS 090 or ESC 106 or Consent of instructor
This course provides an introduction to advanced applications of Geographic Information Systems (GIS) using ArcView and ArcInfo. Focus will be placed on technician level issues associated with data capture and accuracy associated with developing accurate information for geodatabase development. Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

GIS 095
Geospatial Technology Internship
Prerequisite: GIS-090 and GIS-091
A directed field study program whereby students will apply classroom instruction to real-world Geographic Information Systems (GIS) projects in the community. Students should complete GIS-090 and GIS-091 and arrange for an advisor prior to enrolling in an internship. Course Level Fee 2 (3 credits, 15 Lab/Lab-Discussion)

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 and metabolism. Water, vitamins, and minerals will be studied. Diet analysis and disease of digestion will be covered. (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. (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 life. Focus will be on interrelating 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 290
Disease Processes
Prerequisite: BIO 100
The course details with the epidemiology of the major communicable diseases and the causative factors of the degenerative diseases. Historical aspects of diseases are studied. The system of human immunity is the second unit covered. (2 credits, 2 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 (4 credits, 3 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. The course also covers domestic refrigerator and freezer systems. The student will gain hands on training installation, trouble shooting, service, and repair of domestic refrigerators. Reclaiming procedures are also covered. 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, heat pumps, 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)

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/Culture of Third World
IAI H2 903N
The course will introduce the student to history and culture in the third world from ancient civilizations to the modern era. This course will focus 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, 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, 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 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, wildflowers and specialty annuals. Emphasis is placed on cultural requirements of the plants, propagation, and plant usage. Course Level Fee 1 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

HRT 072
Herbaceous Annual 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, 0 Lecture, 12.5 Lab/Lab-Discussion)

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 occupation. Course Level Fee 3 (3 credits, 0 Lecture, 15 Lab/Lab-Discussion)

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
This course accompanies the field experience class. These seminars give opportunity to provide individual assessment and assist with job competence. (1 credits, 1 Lecture)

HSP 054
Field Experience I
This course provides 150 hours of supervised employment in various human service agencies. Course Level Fee 3 (2 credits, 10 Lab/Lab-Discussion)

HSP 055
Work Experience Seminar II
Prerequisite: HSP 053 and HSP 054
This course accompanies the field experience class. Seminars give opportunity to provide individual assessment and assist with job competence. (1 credits, 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 Lab/Lab-Discussion)

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 credits, 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, understand IL Domestic Violence Act, criminal aspects, battering treatment & how Domestic Violence affects children & our 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 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)

HUMANITIES (HUM---)

HUM 120
Myths and Legends

IAI H9 901

Prerequisite: ENG 120; 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, 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

(Repeatable 3 Times)

For more information about this course or to secure a contract to take an independent study please contact the Associate Vice President for Educational Services (217) 234-5427.(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 credits, 0.5 Lecture, 1 Lab/Lab-Discussion)

IND 043
Refrigeration Fundamentals

Prerequisite: EET 050 or MET 042

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 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

IND 044
Fluid Power

Provides the mechanic with the basic concepts of pneumatics and hydraulics. It will concentrate on fluid power components and their purpose. Course Level Fee 1 (3 credits, 2.5 Lecture, 1 Lab/Lab-Discussion)

IND 045
Heat Vent A/C II

Prerequisite: IND 043

Continues study of Heating, Ventilating, and Air Conditioning I. Course studies various types of heating, ventilating, and air conditioning systems, applications, load calculations, psychrometric principles, plus maintenance, repair and servicing of refrigeration units. Course Level Fee 1 (4 credits, 2 Lecture, 4 Lab/Lab-Discussion)

IND 046
Basic Electrical Maintenance

Provides the student with the basic electrical theory and hands-on experience using a variety of basic test equipment. 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 056*
Pneumatic Controls

Prerequisite: PPT 050

This course is designed to provide a basic understanding of pneumatic control systems related to power plant technology. Students learn industry-relevant skills including how to operate, install, and analyze performance of basic pneumatic systems. (Repeatable 3 Times) Course Level Fee 2 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

IND 058*
Industrial Pumps

This course is designed to provide a basic understanding of repair and maintenance of industrial centrifugal and positive displacement pumps. Students learn industry-relevant skills including how to: install, maintain, troubleshoot, analyze performance, and select centrifugal and positive displacement pumps. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

IND 060*
Industrial Valves
This course is designed to provide a basic understanding of industrial control valves and actuators. Students learn industry-relevant skills including how to: operate, install, maintain, and analyze performance of control valves and actuators. (Repeatable 3 Times) Course Level Fee 2 (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 determination of safe working loads and proper care of equipment. (Repeatable 3 Times) Course Level Fee 3 (1 credits, 1 Lecture)

INFORMATION TECHNOLOGY TRAIN (ITT---)

ITT 040*
IT Computer Applications Crt Internship
Prerequisite: Completion of 15 semester hours in IT Computer Applications certificate with 2.0 minimum GPA
Designed to give Computer Applications students on-the-job experience. The students must work in a computer-related area. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 5 Lab/Lab-Discussion)

ITT 041*
IT Computer Apps Degree Internship
Prerequisite: Completion of 50 semester hours in IT Computer Applications program with 2.0 minimum GPA
Designed to give Computer Applications students on-the-job experience. The students must work in a computer-related area. (Repeatable 3 Times) Course Level Fee 1 (2 credits, 10 Lab/Lab-Discussion)

ITT 042*
IT Net Admin Cert Internship
Prerequisite: Completion of 15 semester hours in IT Network Administration certificate with 2.0 minimum GPA
Designed to give Network Administration students on-the-job experience. The students must work in the community in a computer related area. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 5 Lab/Lab-Discussion)

ITT 043*
IT Network Admin Degree Internship
Prerequisite: Completion of 50 semester hours in IT Network Administration program with 2.0 minimum GPA
Designed to give Network Administration students on-the-job experience. The students must work in the community in a computer related area. (Repeatable 3 Times) (2 credits, 10 Lab/Lab-Discussion)

ITT 044*
IT Programming Certificate Internship
Prerequisite: Completion of 15 semester hours in IT Programming Certificate with 2.0 minimum GPA
Designed to give programming students on-the-job experience. The students must work in a computer-related area. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 5 Lab/Lab-Discussion)

ITT 045*
IT Programming Degree Internship
Prerequisite: Completion of 50 semester hours in IT Programming Degree with 2.0 minimum GPA
Designed to give programming students on-the-job experience. The students must work in a computer-related area. (Repeatable 3 Times) Course Level Fee 1 (2 credits, 10 Lab/Lab-Discussion)

ITT 046*
IT Web Technology Cert Internship
Prerequisite: Completion of 15 semester hours in IT Web Technology certificate with 2.0 minimum GPA
Designed to give Web Technology students on-the-job experience. The students must work in the community in a computer related area. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 5 Lab/Lab-Discussion)

ITT 047*
IT Web Technology Degree Internship
Prerequisite: Completion of 50 semester hours in IT Web Technology degree with 2.0 minimum
Designed to give Web Technology students on-the-job experience. The students must work in the community in a computer related area. (Repeatable 3 Times) Course Level Fee 1 (2 credits, 10 Lab/Lab-Discussion)

ITT 048*
IT Digital Media Certificate Internship
Prerequisite: Completion of 15 semester hours in IT Digital Media with 2.0 minimum GPA
Designed to give Digital Media Specialist students on-the-job experience. The students must work in the community doing video, web, or animation production. (Repeatable 3 Times) Course Level Fee 2 (1 credits, 5 Lab/Lab-Discussion)

ITT 049*
Introduction to Digital Video
An introductory course covering the basic terminology,techniques, and equipment used in professional and prosumer video productions. The concentration will be on understanding fundamentals as the techniques and editing of the video will be covered in a later class. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 2 Lecture)

ITT 050*
IT Game Development Cert Internship
Prerequisite: Completion of 15 semester hours in IT Game Development certificate with 2.0 minimum GPA
Designed to give Game Development students on-the-job experience. The students must work in the community in an animation, modeling or programming related area. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 5 Lab/Lab-Discussion)

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. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 054*
Mobile Application Development
Prerequisite: CIS 156 or consent of Instructor
This course is a study of mobile device programming. Development of mobile applications including user interfaces, user input, variables, icons, decision making, lists, arrays, web browsers, audio, pictures, tablets, animation, Google maps, and publishing are covered. (Repeatable 3 times) Course Level Fee 3 (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. 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 programming language. Content focuses on building a problem solving skillset. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 071
Web Scripting I

Prerequisite: CIS 099 and CIS 156

This course focuses on developing web applications using advanced HTML5, CSS3, and introduces Javascript. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 072
Web Scripting II

Prerequisite: ITT 071

This course focuses on developing web applications using JavaScript frameworks and introduces PHP. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 073*
Web Scripting III

Prerequisite: ITT 072 and CIS 095

This course focuses on developing web applictions using JavaScript frameworks, PHP, and a MySQL Database. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 074
Web Systems I

Prerequisite: ITT 070

A high level overview of web application development. Course concentrates on the integration of multiple technologies in the web application stack and how they work together. Course Level Fee 2 (3 credits, 3 Lecture)

ITT 075
Web Systems II

Prerequisite: ITT 074

The application of JavaScript to the concepts and techniques taught in Web Systems I. Students will create web applications that are both dynamic and interactive. Course Level Fee 2 (3 credits, 3 Lecture)

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. Student 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 staff.

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 ill 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 AG TECH (JDA---)

JDA 041
John Deere SOE I

Prerequisite: ENG 050 or ENG 120 and JDA 080 and JDA 073 and JDA 091 and JDA 111 and TEC 048 and JDA 071 and JDA 086 and JDA 092 and ECO 130 and JDA 072 and 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 Lab/Lab-Discussion)

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 Lab/Lab-Discussion)

JDA 043
John Deere SOE III

Prerequisite: JDA 042 and JDA 087 and JDA 050 and JDA 051 and SPE 111 and JDA 095 and 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 Lab/Lab-Discussion)

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, trouble-shooting, 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. (Repeatable 1 Time) 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, differential, 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. (Repeatable 1 Time) 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. (Repeatable 1 Time) 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)

JOURNALISM (JOR---)

JOR 251
Intro to Journalistic Photography

Teaches the student basic photographic techniques, including uses of different types of cameras, principles of the taking of photographs, darkroom procedures for film development and printing, photographic editing, cutline writing, and examination of current trends in journalistic photography. Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

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; study of three Shakespeare plays in Elizabethan/Jacobean theater, ideas, culture, politics, modern critical debates and changing styles of production. 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 250
Amer Literature Survey I

IAI H3 914

Students will read and study American literary works written between 1600 - 1860 that are indicative, reflective of the time period's influential authors and evolving ideas. (3 credits, 3 Lecture)

LIT 251
Amer Literature Survey II

IAI H3 915

Students will read, study, and examine American Literary works written after the Civil War to the present that are reflective of the time period's significant literary movements and changing intellectual social, and political perspectives. (3 credits, 3 Lecture)

LIT 252
Multicultural American Lit

IAI H3 910D

An introduction to the literary and cultural traditions of Native American, African American, and Hispanic American people and to general issues of cultural marginalization of minorities in the American experience. (3 credits, 3 Lecture)

LIT 260
English Lit Survey I

IAI H3 912

Students will read and study British literary works to 1800 that are indicative and reflective of the time period's influential authors and evolving ideas. (3 credits, 3 Lecture)

LIT 261
English Lit Survey II

IAI H3 913

Students will read and study British literary works from 1800 to the present that are indicative and reflective of the time period's influential authors and evolving ideas. (3 credits, 3 Lecture)

LIT 270
Literature/Women

IAI H3 911D

Students will study women as both writers and characters in literature written by women in English. Students will explore important themes and ideas, as well as learn about form, technique, and literary terms. (3 credits, 3 Lecture)

LIT 274
Bible As Literature

IAI H5 901

Students will read the Old Testament, Apocrypha, and New Testament. By studying in the Bible's many genres and tones, students will discover that after many centuries the Bible remains a compelling literary masterpiece. (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)

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 Program

This course serves as an introduction to the basic principles and Swedish massage techniques. This course introduces students to the historical overview of massage therapy and specific areas of massage practice including: safety, infection control practice, draping, body mechanics, centering, and client positioning. Course Level Fee 3 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

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 learning medical terminology. (2 credits, 2 Lecture)

MAS 060
A & P for Massage Therapist II

Prerequisite: BIO 050

This course provides the basic structure and function of the musculoskeletal system of the human body and basic theory of anatomy & physiology. The students will learn the origin, insertion and action of the major muscles of the human body. (4 credits, 4 Lecture)

MAS 065
Massage Therapy II

Prerequisite: MAS 055

This course expands a full body massage with the introduction of clinical and therapeutic practices. The student will learn how to apply heat, cold, and hydrotherapy as well as deep tissue, trigger point, myofascial, and athletic massage techniques. Course Level Fee 3 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

MAS 067
Pathology/Massage Therapist

This is a course of the nature and cause of diseases, which involves changes in structure and function, and the conditions produced by the diseases. Student will understand the effects of specific massage treatments and how to select the most appropriate techniques for the condition. (3 credits, 3 Lecture)

MAS 070
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. Student will learn about state laws and regulations governing massage therapy and licensure. (1 credits, 1 Lecture)

MAS 075
Massage Therapy III

Prerequisite: MAS 065

This course introduces the student to massage in both spa and medical settings. Spa techniques will include aromatherapy, exfoliation, and body wraps. Business practices that relate to massage will be discussed. Course Level Fee 3 (5 credits, 4 Lecture, 2 Lab/Lab-Discussion)

MAS 077
Massage Clinic I

Prerequisite: MAS 065

This course is a supervised in house clinical practicum and out of house assignments 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 085
Massage Therapy IV

Prerequisite: MAS 075

This course will give an introduction to other techniques including lymph massage, reflexology, and energetic manipulations. Students will also learn chair massages, and special population massage including for pregnant, elderly, infants, children, cancer and hospice clients. Course Level Fee 3 (5 credits, 4 Lecture, 2 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 005*
Beginning Algebra

This course is for students with little or no working knowledge of elementary algebra. Emphasis is placed on manipulative skills with real numbers, solving linear equations and inequalities and systems of equations, functions, and properties of linear functions. (Repeatable 3 Times) (3 credits, 3 Lecture)

MAT 006*
Intermediate Algebra

Prerequisite: Placement by assessment or MAT-005 grade of 'C' or higher

This course is for students with some working knowledge of elementary algebra. Emphasis is placed on exponents, polynomials, factoring, quadratic functions, rational expressions, roots and radicals. A graphing calculator is required. Ask instructor for calculator recommendation. (Repeatable 3 Times) (4 credits, 4 Lecture)

MAT 008*
Math Literacy

This course is an introductory course integrating numeracy, proportional reasoning, algebraic reasoning and functions. It is intended for non-math and non-science majors needing MAT 125 Statistics or MAT 116 General Education. Successful completion of this course satisfies the geometry requirement. (Repeatable 3 Times) (6 credits, 6 Lecture)

MAT 009
Geometry

Prerequisite: Placement by assessment or MAT-005

This course is an introductory course in plane geometry for students with less than one year of high school geometry. Topics included, but not limited to, are: lines, angles, proofs, triangles, Pythagorean theorem, circles, various geometrical formulas and coordinate geometry. (3 credits, 3 Lecture)

MAT 016
General Education Math Co-Req

Co-Requisite: MAT 116

This is a co-requisite course for MAT-116 General Education Math that will provide individualized and group instruction on pre-requisite skills and foundational knowledge needed for MAT-116 General Education Math. It is intended for students who don't assess directly into MAT-116 General Education Math. (Repeatable 3 times) (2 credits, 2 Lecture)

MAT 025
Statistics Co-Req

Co-Requisite: MAT 125

This is a co-requisite course for MAT-125 Statistics that will provide individualized and group instruction on pre-requisite skills and foundational knowledge needed for MAT-125 Statistics. It is intended for students who don't assess directly into MAT-125 Statistics. (Repeatable 3 Times) (2 credits, 2 Lecture)

MAT 090
Math for Computer Applications

Prerequisite: Placement by assessment or MAT-005

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

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-006 grade of 'C' or higher or MAT-008 grade of 'C' or higher; also 1 year HS geometry or MAT-009

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 MAT-006 grade 'C' or higher; also 1 year HS geometry or MAT-009

A course designed for Elementary Education majors. Topics include number theory, probability and statistics, 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 MAT218. (3 credits, 3 Lecture)

MAT 124
Statistics Pathway

Application of elementary principles of descriptive statistics. 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-006 grade 'C' or higher or MAT-008 grade 'C' or higher; also 1 year HS geometry or MAT-009

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 130
College Algebra

Prerequisite: Placement by assessment or MAT-006 grade of 'C' or higher; also 1 year HS geometry or MAT-009

Review of the real number system, radicals, equations, and exponents, relations and functions, logarithms, complex numbers, polynomials, and theory of equations. A graphing calculator is required. A graphing calculator is required. Ask instructor for calculator recommendation. (3 credits, 3 Lecture)

MAT 132
Trigonometry

Prerequisite: MAT-130 with grade of 'C' or higher

Study of trigonometric functions, trigonometric identities, graphing, solving trigonometric equations, inverse trigonometric functions, right triangle trigonometry, application of law of sines and law of cosines, complex numbers and vectors. A graphing calculator is required. Ask instructor for calculator recommendation. (3 credits, 3 Lecture)

MAT 140
Algebra With Trigonometry

Prerequisite: Placement by assessment or MAT-006 grade of 'C' or higher; also 1 year HS geometry or MAT-009

A unified study of the algebraic and trigonometric concepts needed for calculus. Credit not granted for both this course and College Algebra. A graphing calculator is required. Ask instructor for calculator recommendations. (5 credits, 5 Lecture)

MAT 151
C Program W/Engineering Appl

IAI EGR 922

Prerequisite: MAT-241 with grade of 'C' or higher

Introduction to the programming language C. Fundamental principles, concepts, and methods of computing with emphasis on calculus-based problem-solving techniques and applications from engineering and physical science. Course Level Fee 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

MAT 210
Finite Mathematics

IAI M1 906

Prerequisite: Placement by assessment or MAT-130 with grade of 'C' or higher; also 1 year of HS geometry or MAT-009

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 MAT-130 with grade of 'C' or higher; also 1 year HS geometry or MAT-009

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 & integration, optimization theory and area. Graphing calculator required. Ask instructor for calculator recommendation. (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,MTH901

Prerequisite: Placement by assessment or MAT-140 with grade of 'C' or higher; MAT-130 and MAT-132 may be substituted for MAT-140 with Division Chair approval; also 1 year HS geometry or MAT-009

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, MTH902

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. Ask instructor for calculator recommendations. (4 credits, 4 Lecture)

MAT 243
Analytical Geometry and Calculus III

IAI M1 900-3,MTH903

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 MAT 911

Prerequisite: MAT-241 with grade of 'C' or higher

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)

MECHANICAL ELECTRICAL TECH (MET---)

MET 040
D.C. Circuits

Corequisite: TEC 048 and TEC 050

This course introduces the student to basic theory of DC electricity. Course Level Fee 1 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

MET 042
A.C. Circuits

Prerequisite: MET 040

This course presents the theory of AC electricity and the application of transformers and distribution equipment. Course Level Fee 1 (2.5 credits, 1.5 Lecture, 2 Lab/Lab-Discussion)

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 044
Introduction to Robotics

Introduced concepts of robotics by examining the history of robots, how robots are classified, how they fit into the manufacturing picture, and what is needed to program them. (1 credits, 1 Lecture)

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
Supervised Occupational Experience

Prerequisite: Sophomore standing in Mechanical-Electrical Technology

Designed to provide work experience in field while maintaining contact with occupational instructor for review and assistance. (Variable Credit 0.5/6 credits, 15 Lab/Lab-Discussion)

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: CAD 056 and TEC 054

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, 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

This course provides a hands-on overview of medical office software through practical applications of medical assistant competencies such as professional office skills, keyboarding and document formatting, telephone techniques, and assisting with medical specialties.Course Level Fee 3 (4 credits, 4 Lecture)

MAP 076
Medical Office Procedures II

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

This course introduces concepts and applications of pharmacological principles, and focuses on drug classifications, focus on the top 100 drugs commonly seen in the medical office and medicolegal responsibilities of the medical assistant. (30) Course Level Fee 3 (2 credits, 2 Lecture)

MAP 080
Med Assist Pathophysiology II

Prerequisite: MAP 070 and MAP 072 and MCS 095

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, blood and lymph systems and special senses. Course Level Fee 3 (4 credits, 4 Lecture)

MAP 082
Med Assist Skills II

Prerequisite: MAP 072

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: MAP 070 and MAP 072 and MCS 095

This course introduces concepts and applications of pharmacological principles, and focuses 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: MAP 070 and MCS 095

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 credentialing exam with test-taking strategies and study techniques. Course Level Fee 4 (3 credits, 3 Lecture)

MAP 088
Med Assist Pharmacology II

This course introduces concepts and applications of the principle and procedures of medication administration for all routes and calculation of drug problems.Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

MAP 090
Med Assist Externship

Prerequisite: MAP 080 and MAP 082 and BUS 114

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 (3 credits, 1 Lecture, 4 Lab/ Lab-Discussion)

MAP 092
Clinical Skills

Prerequisite: Admission into Bridge Program

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

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

This course is designed to increase the Certified Nurse Assistants knowledge of managed care delivery systems, front office processes, ethical and legal issues for medical assistants. Test taking strategies and study techniques for certification is 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 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 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 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

Prerequisite: MCS 050

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
Advanced ICD-10-CM Coding
Prerequisite: MCS 055
An advanced course specializing in all aspects of ICD-10-CM coding. This course will focus on specific body systems and not the overall aspect of ICD-10-CM coding. (3 credits, 3 Lecture)

MCS 075
Hospital-Med Coding Internship
Prerequisite: PNC 055 and BIO 050 and 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 credits, 5 Lab/ Lab-Discussion)

MCS 080
Clinic-Med Coding Internship
Prerequisite: PNC 055 and BIO 050 and 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 credits, 0 Lecture, 5 Lab/Lab-Discussion)

MCS 085
Hospital Coding Certification Prep
Prerequisite: MCS 060 and MCS 065 and MCS 070 or consent of instructor
An exam preparation course that will provide students with a comprehensive review for the CPC-H and CCS exams. (1 credits, 1 Lecture)

MCS 090
Clinic Coding Certification Prep
Prerequisite: MCS 060 and MCS 065 and MCS 070 or consent of instructor
An exam preparation course that will provide students with a comprehensive review for the CPC and CCS-P exams. (1 credits, 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
Medical Records and the Law
Prerequisite: MCS 040 and MCS 068
This is an advanced course focused on the American legal system and the impact the law has on medical records, health information in general, and HIPAA. (3 credits, 3 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 credits, 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 credits, 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 credits, 2 Lab/Lab-Discussion)

MUS 126
Class Instruction in Piano I
Prerequisite: No piano experience or consent of instructor
A beginning course in piano study. (1 credits, 2 Lab/Lab-Discussion)

MUS 127
Class Instruction in Piano II
Prerequisite: MUS 126 or consent of instructor
Class instruction in piano literature and skills. Required of music majors. (1 credits, 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 an historical 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 historical survey of major value systems and contemporary issues. (3 credits, 3 Lecture)

PHI 290
Intro to Logic
IAI H4 906
Introduction to formal reasoning, including: language and meaning, deduction and induction, evidence, syllogistic argument and science and hypotheses. (3 credits, 3 Lecture)

PHYSICAL EDUCATION (PED---)

PED 109
Basketball
Class designed to teach basic skills, rules and regulations, and allow students to participate in physical activity. Course Level Fee 1 (1 credits, 2 Lab/Lab-Discussion)

PED 112
Bowling
This course is designed for the beginning bowler and for those who wish to learn a recreational activity. Course Level Fee 3 (1 credits, 2 Lab/Lab-Discussion)

PED 113
Advanced Bowling
Prerequisite: PED 112 or proof of skill or instructor consent

Class is designed to teach advanced bowling skills, rules and regulations of bowling, and allow students to participate in physical activity. Course Level Fee 3 (1 credits, 2 Lab/ Lab-Discussion)

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 credits, 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 credits, 2 Lab/Lab-Discussion)

PED 119*
Karate

An introduction to the world of Martial Arts with emphasis on the art of Tae Kwon Do. Student will learn basic terminology, skills, and self defense. In about two years, the student should be close to a black belt. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/ Lab-Discussion)

PED 123*
Karate II

Prerequisite: PED 119

Designed to continue a broad range of activities in Tae Kwon Do training, oriented toward physical fitness, positive self-attitude, a sense of respect for others in society, self-defense and fun. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/ Lab-Discussion)

PED 137
Tennis

Beginning course introducing the student to the game of tennis and tennis skills. Basic skills of forehand and backhand serving are emphasized. Course Level Fee 3 (1 credits, 2 Lab/Lab-Discussion)

PED 138
Advanced Tennis

Prerequisite: PED 137 or proof of skill or instructor consent

An advanced course in tennis. Emphasizing advanced skills and techniques of tennis and in setting up tournaments. Course Level Fee 3 (1 credits, 2 Lab/Lab-Discussion)

PED 141*
Weight Training

To introduce to the student the basic principles of weight training, to demonstrate and participate in various programs, and increase strength. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 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 credits, 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 credits, 2 Lab/Lab-Discussion)

PED 172
Bsc Act Elem/Sec Child

Focuses on games and activities for elementary and secondary level including body mechanics, basic exercises and rhythms. Includes team games for secondary level. EDU-101 is taken simultaneously. (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. Student will be given a grade according to the number of minutes performed in the semester. (Repeatable 3 Times) Course Level Fee 2 (1 credits, 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 or Fail will be given at the end of the semester. (Repeatable 3 Times) Course Level Fee 2 (1 credits, 2 Lab/ Lab-Discussion)

PED 219*
Karate III

Prerequisite: PED 123

Students have learned the basics and are ready for more advanced techniques. Higher physical and mental skills are emphasized. Greater confidence and awareness of personal ability will promote self improvement. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/Lab-Discussion)

PED 223*
Karate IV

Prerequisite: PED 219

Designed to be the final step for reaching the Black belt status. At this point the student will possess the knowledge, but must learn more self-control. Students will learn how to demonstrate power and all they have learned. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/Lab-Discussion)

PED 224*
Karate V

Prerequisite: PED 223

Introduces the student to leadership responsibilities and more advanced techniques. Emphasis will be placed on power and "fine" motor skills. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/ Lab-Discussion)

PED 225*
Karate VI

Prerequisite: PED 224

The final step for reaching the Black Belt status and learning the requirements for instruction. The student will be able to demonstrate all prior learned material and be able to instruct others as an assistant instructor. (Repeatable 3 Times) Course Level Fee 1 (1 credits, 2 Lab/ Lab-Discussion)

PED 226
Theory of Baseball

This course focuses on rules and history of baseball, basic skills, organizing practices, and acquiring a general knowledge of baseball. This prepares the student to teach and coach baseball. Course Level Fee 3 (2 credits, 1 Lecture, 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 228
Tech Bowling/Golf

Prerequisite: PED 112 or PED 116 or consent of instructor

Course offered for the individual who is interested in how to teach or coach golf/ bowling. Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PED 243
Tech Badmntn/Tennis

Prerequisite: PED 137

Course offered for the individual who may show an interest in how to teach or coach tennis/badminton. Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

PED 244
Kinesiology

Prerequisite: BIO 100 or 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 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 Clinical Practicum I

Corequisite: PTA 080

An in-house laboratory practice of skills and techniques corresponding with Fundamentals of PTA I (PTA080). Students will observe in physical therapy settings. Course Level Fee 3 (1 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

This course is designed for PTA students to learn word-building methods, to 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 Clinical 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 (PTA080), Clinical Practicum I (PTA081) and Fundamentals of PTA II (PTA082). Course Level Fee 4 (2 credits, 10 Lab/Lab-Discussion)

PTA 086
Neurology for the PTA

Prerequisite: PTA-080, PTA-081, PTA-082 and PTA-085

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 082 and PTA 085

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, 3 Lecture, 6 Lab/Lab-Discussion)

PTA 095
Orthopedic Concepts & Appl

Prerequisite: PTA 085 and PTA 082 and PTA 094

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 and 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 Clinical Practicum IV

Prerequisite: PTA 085 and 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 (PTA094) and Orthopedic Concepts and Applications (PTA095) while continuing to progress previously learned skills. Course Level Fee 4 (3 credits, 15 Lab/Lab-Discussion)

PTA 098
PTA Seminar
Prerequisite: PTA 097

Preparation to enter into the work force 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 Clinical Practicum V
Prerequisite: PTA 096

Final full time, supervised clinical practicum experience at a physical therapy facility to prepare as an entry level Physical Therapist Assistant. Student will perform selected previously learned skills. Course Level Fee 4 (4 credits, 20 Lab/Lab-Discussion)

PHYSICS (PHY---)

PHY 110
Concepts of Physics
IAI P1 900L

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 3 (4 credits, 3 Lecture, 2 Lab/Lab-Discussion)

PHY 115
Astronomy
IAI P1 906

This course covers the history and future prospects of astronomy, the night sky, the Earth as compared to Venus and Mars, the death of stars, and cosmology. Emphasis is also placed on the influences that astronomy has had on culture. (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: Concurrent registration 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

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

Prerequisite: PHY 141 with grade of 'C' or higher

Corequisite: Concurrent enrollment in 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
Corequisite: MAT 243 and MAT 245
Prerequisite: PHY 239 with grade of 'C' or higher
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 Corequiste: 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 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 162
State/Local Govern
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 904N
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)

PRACTICAL NURSING (PNC---)

PNC 049
Found of Nursing
Prerequisite: Admissions to the PN 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: Admissions to the PN Program
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 4 (10 credits, 7 Lecture, 2 Lab/Lab-Discussion, 6 Clinical Hours)

PNC 052
Practical Nursing II
Prerequisite: PNC 049 and PNC 050
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 4 (15 credits, 11 Lecture, 2 Lab/Lab-Discussion, 3 Clinical Hours)

PNC 053
Basic Pharmacology I
Corequisite: PNC 052
Prerequisite: Admission to PN Program
The nursing process and the role of drug 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. Course Level Fee 3 (2 credits, 2 Lecture)

PNC 054
Practical Nursing III
Prerequisite: PNC 052 and PNC 053
Continuation of PNC052 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 4 (7 credits, 5 Lecture, 6 Clinical Hours)

PNC 055
Basic Pharmacology II
Corequisite: PNC 054
Prerequisite: PNC 053
Continuation of PNC053. The nursing process and the role of drug 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 credits, 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)

PMT 054
Electronic Prepress
Prerequisite: PMT 050 and PMT 052 or consent of instructor
This course provides a basic overview with a working understanding of the printing industry and the printing process and the knowledge it takes to go from idea to reality using Electronic Prepress techniques. Course Level Fee 1 (6 credits, 12 Lab/Lab-Discussion)

PMT 074
Print Technology Seminar
Prerequisite: CIS 090 or CIS 097
Designed as an introduction to Print Technology and Desktop Publishing apprenticeship. Consists of an overview of print process and techniques used in the print industry. Focuses on print terminology and hands-on experience. (1 credits, 1 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 050*
PLC I-Allen Bradley SLC5/0x

This course covers basic PLC operation and programming using RsLogix 500 software and Allen Bradley SLC 5/0x processors. Topics include: Serial and Ethernet communications, Basic ladder design, Input-Output, Timers, Counters, Batch Processes, Shift registers, Sequencers, Word compare, Math, and hardware. (Repeatable 3 Times) Course Level Fee 3 (3 credits, 2 Lecture, 2 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)

PSYCHOLOGY (PSY---)

PSY 271
Intr/Psychology
IAI S6 900

Focuses on psychology as a science, introducing concepts 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 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 methods used to study development, from conception to adolescence. Topics include physical, sensory and 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 and research findings in the physical, cognitive, and social-emotional development of individuals past middle age. (3 credits, 3 Lecture)

PSY 277
Social Psychology
IAI S8 900

Prerequisite: PSY 271

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 278
Family Relations
IAI S7 902

Examines how intimate relationships are formed and maintained and why they sometimes fail. Theory and research on attraction, social cognition, communication, interdependency, friendship, love, sexuality, conflict, power, and violence are areas of focus. (3 credits, 3 Lecture)

PSY 279
Human Dev/Life Span
IAI S6 902

Study of theories and research findings in physical, cognitive, and social-emotional development from conception through death. (3 credits, 3 Lecture)

RADIO-TV BROADCASTING (RTV---)

RTV 070
Radio Production Lab

Prerequisite: RTV 160

The further application of the techniques of good broadcasting is covered including announcing, writing, managing, and working for a station image. Operation of various automation systems, along with air work on the college radio station is emphasized. Course Level Fee 2 (5 credits, 1 Lecture, 8 Lab/Lab-Discussion)

RTV 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, Lake Land College's radio station. Training of broadcast equipment is also included. Course Level Fee 1 (1 credits, 2 Lab/Lab-Discussion)

RTV 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, Lake Land College's radio station. Course Level Fee 1 (2 credits, 1 Lecture, 2 Lab/ Lab-Discussion)

RTV 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, Lake Land College's radio station. Training of broadcast equipment is also included. Course Level Fee 1 (1 credits, 2 Lab/Lab-Discussion)

RTV 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, Lake Land College'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)

RTV 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)

RTV 155
Radio TV Announcing
IAI MC 918

The principles of broadcast announcing are discussed and are 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)

RTV 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 2 (5 credits, 2 Lecture, 6 Lab/Lab-Discussion)

RTV 165
Broadcast Writing
IAI MC 917

The principles of broadcast journalism and copy writing are presented along with oral style, editing, rewriting stories, and writing commercials that sell. The legal aspects of libel and slander are discussed. Course Level Fee 2 (4 credits, 4 Lecture)

RTV 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 2 (3 credits, 3 Lecture)

RTV 180
Basic TV Production
IAI MC 916

The course is designed to acquaint students with various aspects of professional TV studio 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 2 (3 credits, 2 Lecture, 2 Lab/Lab-Discussion)

RTV 185
Advanced Radio Production

Prerequisite: RTV 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 2 (4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

RTV 190
Basic Animation
IAI MC924

Students will be introduced to the newest trends in Multimedia Technology. Emphasis will be placed on developing aptitude in DVD authoring, postproduction software, animation, streaming media, shooting video, editing, lighting, and audio. The course will be primarily project based. Course Level Fee 1 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

READING (RDG---)

RDG 007*
Fundamentals of Reading

Required of students who need additional preparation before enrolling in RDG 009. Essentials of Reading. Emphasis is placed on basic reading skills including phonics, spelling, vocabulary, comprehension and critical reading. Placement determined by assessment. (Repeatable 3 Times) Course Level Fee 2 (2.5 credits, 2 Lecture, 1 Lab/ Lab-Discussion)

RDG 009*
Essentials in Reading

Prerequisite: RDG-007 Minimum grade of 'C' or better or placement determined by assessment.

Required of students who need additional preparation before enrolling in Reading and Study Skills (RDG050). Emphasis is placed on six competencies, a personal reading plan, and a computerized prescriptive reading program. (Repeatable 3 Times) Course Level Fee 2 (2.5 credits, 2 Lecture, 1 Lab/ Lab-Discussion)

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 credits, 1 Lecture)

RDG 050*
Reading and Study Skills I

Prerequisite: RDG 009 with a grade of 'C' or higher or placement determined by assessment

Designed to improve reading-study skills with major emphasis on comprehending college textbooks. Stress is placed on techniques for improving individual skills in listening, note-taking, study-type reading, time management, perception,library access, test-taking, memory, flexible rate, skimming/scanning. This course does not apply toward an Associate Degree. (Repeatable 3 Times) Course Level Fee 2 (2.5 credits, 2 Lecture, 1 Lab/Lab-Discussion)

RDG 051
CTE Reading-Study Skills

Prerequisite: RDG 009 with a grade of 'C' or higher or placement determined by assessment

This course is designed to improve reading-study skills with emphasis on comprehending textbooks and contextualized course work. It will include multiple context methods for improving technical reading. This course does not apply toward an Associate degree. Course Level Fee 2 (2.5 credits, 2 Lecture, 1 Lab/ Lab-Discussion)

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 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 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; contemporary issues. (3 credits, 3 Lecture)

SOS 283
Introduction to Research Methods

Prerequisite: Placement by assessment or MAT 006 with a minimum grade'C' 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, social interaction; social change in global perspective; socialization; families; social class; and 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
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, 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 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)

SPEECH (SPE---)

SPE 111
Intro to Speech Communication
IAI C2 900
Focuses on the fundamental principles and methods of selection, analyzing, organizing, developing and communicating information, evidence, and points of view to audiences. (3 credits, 3 Lecture)

SPE 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. (3 credits, 3 Lecture)

SPE 213
Intro/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)

SPE 220
Persuasive Speaking
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. (3 credits, 3 Lecture)

SPE 244
Intro to Acting IAI TA 914
Focuses on approaches to acting with emphasis on basic techniques and the development of character as it relates to the role. (3 credits, 3 Lecture)

STRATEGIES FOR SUCCESS (SFS---)

SFS 101
Strategies for Success
Designed to improve student performance in college and beyond. Topics include: college resources; identification of college and career goals; implementation of study, note-taking, and test-taking strategies; and development of life management skills including time management, stress management, and relationship skills. (2 credits, 2 Lecture)

SFS 102
Strategies for Money Management
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. (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)

TECHNOLOGY (TEC---)

TEC 039*
Technology Seminar
Fundamentals, principals, 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
Blueprint Reading for Industry I
Fundamentals, principles, and practices involved in producing and reading industrial blueprints. Covers basic through advanced blueprint reading and basic drafting procedures. Advanced work is adjusted to special interest groups. (2.5 credits, 2.5 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 credits, 1 Lecture)

TEC 044
Basic Tech Science
Prerequisite: TEC 048 or consent of instructor
Involves activities relating to (1) basic properties of matter, (2) speed and acceleration, (3) mechanics, (4) electricity and (5) miscellany. Automotive applications are emphasized and memorization minimized. Course Level Fee 1 (3 credits, 1.5 Lecture, 3 Lab/Lab-Discussion)

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 geometric figures, formulas and algebra. Students draw graphs. A scientific calculator is required, so there is little or no memorization. (3 credits, 3 Lecture)

TEC 049
Manufacturing Skills III
Prerequisite: TEC 047
This class is a continuation of TEC047. 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 050
Technical Math I
Fundamentals of basic arithmetic, calculator usage, algebra, geometry and right angle trigonometry. (2 credits, 2 Lecture)

TEC 051
Manufacturing Skills IV
Prerequisite: TEC 049
This class is a continuation of TEC049. 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 052
Technical Math II
Prerequisite: TEC 050
Offers the student an in-depth study of algebra including factoring, solving linear systems, quadratic equations and exponents. (2 credits, 2 Lecture)

TEC 053*
Technical Project Management
This course is designed to provide a technical foundation for Project Management. Students will evaluate comprehensive samples of various tools and techniques for industrial project, program, and portfolio management that achieve organizational success. (3 credits, 3 Lecture)

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, principals, 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, how it is produced and utilized. Topics include photovoltaic, geothermal, solar, wind, hydro, and biomass 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 fuel cells, electric powered vehicles, liquefied natural gas, and other emerging green technologies. (Repeatable 3 Times) (3 credits, 3 Lecture)

TEC 059*
Energy Management

Successful completion of this course prepares participants to assess and improve homes according to current industry standards for residential building weatherization. It includes blower-door testing and recommended weather sealing techniques to achieve improved resident comfort and energy cost savings. (Repeatable 3 Times) Course Level Fee 2 (2 credits, 1 Lecture, 2 Lab/ Lab-Discussion)

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 is 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, domestic and industrial uses, and sustainability of the market. (Repeatable 2 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 068*
Sp Topics Renewable Energy

This course will examine fundamentals, principles,practices, and issues associated with special topics in renewable energy. It covers basic through advanced issues and topics associated with sustainability and the renewable energy field. Advanced coursework is adjusted to special interest groups. (Repeatable 3 Times) (Variable Credit 0.5/ 5 credits, 5 Lecture)

TEC 070
Properties of Metal

Familiarizes the student with the need for heat treatment of metals and 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 071*
OSHA General Safety

This OSHA safety course provides entry level construction or general industry workers information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent hazards on a job site. (Repeatable 3 times) Course Level Fee 2 (0.5 credits, 0.5 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, 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 in-depth study of engineering graphics communication using mechanical drafting as well as computer-aided drafting programs. The students will learn drafting standards, visualization skills, design, CAD, and descriptive geometry. Drafting equipment and workbook are required. Course Level Fee 1 (3 credits, 1 Lecture, 5 Lab/Lab-Discussion)

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)

TEL 096
Telecommunications Seminar

The student will be introduced to the local employers and experts in telecommunications and hear their thoughts on the issues that effect the telecommunication industry. (1 credits, 1 Lecture)

TEL 097
Telecommunications S.O.E.

Prerequisite: Sophomore standing in the Telecommunications (093) program

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)

TRANSFER ELECTIVES (ELE---)

ELE PREQ
Course for Prerequisite (3 credits, 3 Lecture)

TUTORING AND TESTING CENTER (TUT---)

TUT 010*
Math Anxiety
(Repeatable 3 Times) (2 credits, 2 Lecture)

TUT 013*
Basic Memory Dynamics
(Repeatable 3 Times) (0.5 credits, 0.5 Lecture)

TUT 023
Test Taking Strategies
(Repeatable 3 Times) (1 credits, 1 Lecture)

TUT 026
Relieving Computer Anxiety
(Repeatable 3 Times) (0.5 credits, 0.5 Lecture)

WELDING (WEL---)

WEL 042
Introduction to Welding
This course prepares students to identify, obtain and keep jobs in the welding field. Demonstrating appropriate work behaviors, developing effective working relationships with others, practicing work related communication skills, understanding roles, business images and adapting to change. (3 credits, 3 Lecture)

WEL 044
Metal Identification
This course prepares students to identify ferrous and non-ferrous metal using various test procedures, Procedures for identifying low, medium and high carbon steel are also covered. Course Level Fee 1 (1 credits, 0.5 Lecture, 1 Lab/Lab-Discussion)

WEL 045
Oxy-Acetylene Welding
This course prepares students to manipulate, set-up and make acceptable welds in various positions using oxy-acetylene equipment. Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

WEL 046
Metal Cutting Processes
This course covers the processes for cutting metal with oxy-acetylene and plasma cutting equipment and gouging with air carbon arc equipment. Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

WEL 047
Shielded Metal Arc Welding I
Prerequisite: WEL 057
This course provides an introduction to shielded metal arc welding. Students learn to set up equipment, identify electrodes, strike and run beads in the flat position. Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

WEL 048
Shielded Metal Arc Welding II
Prerequisite: WEL 057 and WEL 047
In this course students learn to perform single and multiple pass welds with shielded metal arc welding equipment in all positions. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 049
Shielded Metal Arc Welding III
This course requires students to weld in all positions using SMAW equipment. These welds must pass a guided bend test. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 053
Gas Tung Arc Welding/Alum
Prerequisite: WEL 057 and WEL 061
Prepares students with the necessary knowledge and skills for employment in industry. Emphasis is placed on gas tungsten arc welding processes for aluminum. Prepare welding joints in the flat, horizontal, and vertical positions. Course Level Fee 3 (4 credits, 1 Lecture, 6 Lab/Lab-Discussion)

WEL 054
Gas Tung Arc/Ss
Prerequisite: WEL 057 and WEL 061
Prepares students with necessary knowledge and skills for employment in industry. Emphasis is placed on gas tungsten arc welding processes for stainless steel. Prepare welding joints of stainless steel in the flat, horizontal, and vertical positions. Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

WEL 055*
Pipefitting & Welding
Prerequisite: WEL 057 and WEL 048
This is a basic course in pipefitting and welding equipment and safety. Topics include: fabrication and installation of industrial piping systems, pipe layout and welding techniques/applications. (Repeatable 3 Times) Course Level Fee 3 (3 credits, 1 Lecture, 4 Lab/Lab-Discussion)

WEL 056*
Metal Cutting and Fabrication
This course is designed to provide an understanding of metal cutting and fabricating processes and weld joint design.(Repeatable 3 Times) Course Level Fee 3 (2 credits, 1 Lecture, 2 Lab/Lab-Discussion)

WEL 057
Welding Fundamentals
Course will cover basic welding processes, including: Oxy-Acetylene welding, Arc welding, Cutting and Brazing. Course Level Fee 3 (2.5 credits, 1 Lecture, 3 Lab/Lab-Discussion)

WEL 058
Gas Metal Arc Welding I
Prerequisite: WEL 057
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. Course Level Fee 1 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

WEL 059
Gas Metal Arc Welding II
Prerequisite: WEL 057 and WEL 058
This course teaches students to perform gas metal arc welds in the horizontal, vertical and overhead positions using single and multiple pass welds. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 060
Gas Metal Arc Welding III
Prerequisite: WEL 059
Students in this course must prepare gas metal arc and flux core welds which pass guided bend tests. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 061
Gas Tungsten Arc Welding
Prerequisite: WEL 057
This course introduces students to gas tungsten arc welding equipment and procedures. Welds are prepared in flat, horizontal and vertical positions on both ferrous and non-ferrous metals. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 062
Welding Blueprint Read/Layout
This course teaches students to read and interpret welding symbols and blueprints and to perform a minor welding layout. Math skills especially fractions are emphasized, reviewed and reinforced throughout this course. Course Level Fee 1 (3 credits, 0.5 Lecture, 5 Lab/Lab-Discussion)

WEL 063
Advanced Welding
Prerequisite: WEL 057
Course will cover advanced procedures of processes related to welding. MIG, TIG, plasma torch, and arc welding. Course Level Fee 2 (2 credits, 0.5 Lecture, 3 Lab/Lab-Discussion)

WEL 074
Welding S.O.E.
Pre-Requiste: WEL 057
Welding supervised occupational experience in a welding shop or work related manufacturing company position. Course Level Fee 2 (Variable Credit 0.5/5 credits, 25 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 and MET 040 and MET 042 and TEC 048 or WND 040 and EET040 and EET 050 and 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)

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Jarold Jennings
Custodian

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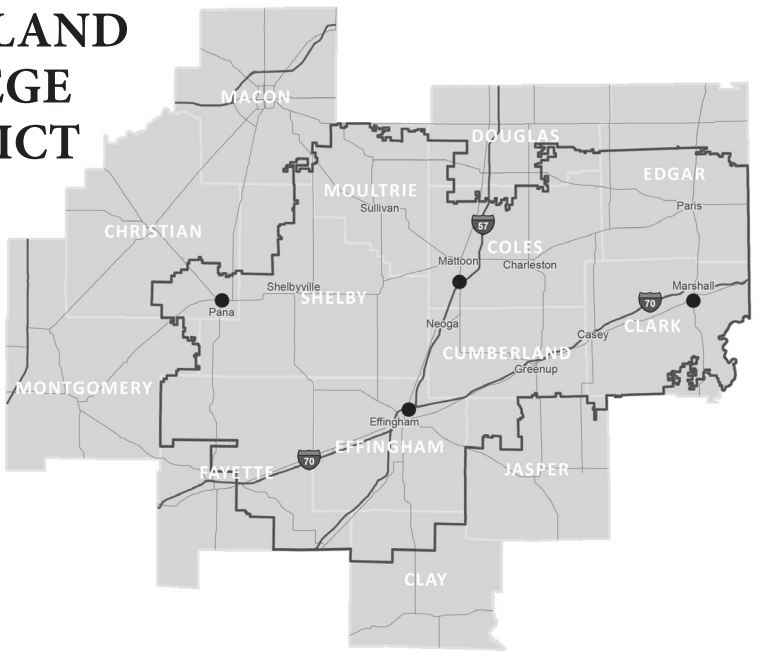

INDEX

A

ACT Scores 179
Academic Advisement 192
Academic Calendar 4
Academic Dismissal 202
Academic Honors 200
Academic Load 200
Academic Probation 202
Academic Standards & Regulations 199
Academic Suspension 202
Accounting 11
Accreditation 6
Adding Courses 202
Administration 261
Admission Policy 179
Admissions 179
Admissions & Records 179
Adult Basic Education 221
Adult Education 217
Advanced Placement (AP) Program 204
Affirmative Action 6, 196
Agriculture 8, 137, 221
Ag Business 13
Agriculture Business & Supply 14
Agriculture Production & Management 15
Agriculture Workforce Ready Programs 8
Agriculture Transfer 137
Allied Health 8, 223
Alumni Association 214
Anthropology 224
Anti-Harassment Policy 196
Applying 179
Art 138, 224
Articulation Agreements 8
Assessment 208
Associate Degree Nurse Track 17
Associate Degree Nurse 18, 224
Associate in Applied Science Degree 208
Associate in Arts Degree 208
Associate in Engineering Science Degree 139, 208
Associate in Liberal Arts Degree 133, 208
Associate in Liberal Studies Degree 19
Associate in Science Degree 133, 208
Athletics 213

Attendance Policy 203
Audit Course 203
Automotive Mechanic 20
Automotive Technology 21, 225

B

Basic Manufacturing 22
Basic Nurse Assisting Program 23
Basic Nursing Assistant 24
Basic Welding 25
Bio-science 226
Biological Science (Non-Teaching) 140
Board of Trustees 3
Bookstore, Laker Nest 194, 213
Broadcast Announcing 26
Building Construction Technology 28, 226
Business 141
Business Courses 277
Business Education 142

C

CAD 37, 230
Cafeteria/Student Union/Laker Point 214
Calendar, Academic 4
Campus Scheduling 196
Career Services 194
Center for Business & Industry 9, 215
Certificates 208
CET/Advanced Technical Studies 33
Change of Program 202
Chemistry 143, 229
Child & Family Services 30
Child Care (See Early Childhood Care and Education) 52
Civil Engineering Technology 31, 227
Civil Engineering Technology Co-Op 32
CLEP Examinations 205
Clinical Lab Science 144
Clubs 212
College Closing 195
College Life 211
Commercial Truck Driver Training 36, 215, 230
Communicable Diseases 195
Communication Studies 145
Community & Professional Programs 216
Computer-Aided Design Technology 38
Computer-Aided Drafting (CAD) 37, 230
Computer Applications Specialist 39
Computer Animation 75
Computer Information Systems Courses 231
Computer Integrated Manufacturing 233
Computer Programs (see Business) 8
Computer Systems 40
Computer Technician 41
Conservation – Pre-Forestry 146
Conservation – Pre-Wildlife 147
Continuing Education 234
Continuing Professional Development 215
Cooperative Agreements – Career Agreements 10
Cooperative Work Study Program 194
Corrections Faculty & Staff 261
Cosmetology 42, 234
Cosmetology Track 42
Cosmetology Teacher 43
Counseling Services 9, 192
Course Descriptions 219
Course Fees 184, 220
Course Numbering System 219
Course Proficiency 203
Course Withdrawal 200
Credit, Advanced Placement Program, CLEP Exam 205
Criminal Justice 148, 233
Criminal Justice Leadership 44
Crop Production 45
Cross Country Running Trail 214

D

Degree & Certificate Requirements 208
Dental Hygiene 47, 235
Dental Hygiene Track 46
Desktop Publishing 49
Diesel & Ag Power Technology 50, 51
Digital Media Specialist 75
Directory Student Information 197
Dislocation Worker Services 218
Dismissal, Academic 202
Distance Learning 216
District Map 268
District Residents 181
Dropping Courses 202
Dual Credit 216

E

Electronic Marketing 54
Early Childhood Care and Education 52, 149, 236
Earth Science 150, 236
Eastern Region Center 217
Economics 151
Education Courses 237
Education, Elementary 152
Educational Guarantee 6
Effingham Kluthe Center 217
Electronic Engineering Technology 55, 237
Electronic Control Technician 53
Electronic Refunds 185
Electronic System Specialist 52
Elementary Education 152
Email Accounts 191
Emergency Medical Services 56, 239
Emergency Medical Tech 240
English 153
English as a Second Language 241
Enrollment Requirements, Degree Seeking 180
Enrollment Requirements, Non-degree Seeking 180

Enrollment Requirements, High School Students 180
Entrepreneurship – Small Business Ownership 57
Environmental Science 154
Esthetics 58, 241
Esthetics Track 58
Examinations 203
Experiential Credit/Life Experience Credit 206
Extension Centers 217

F
Faculty 261
Fees 184
Final Exams 203
Financial Aid 185
Financial Aid, Determining Eligibility 185
Financial Aid Loans & Grants 186
Financial Aid, Major Programs 186
Financial Aid Standards
of Satisfactory Academic Progress 187
Financial Aid Verification 185
Financial Aid, Refund & Repayment 187
Financial Aid, Renewal 187
Financial Aid, Summer Term 186
Financial Aid, Veterans & Reservists 186, 187
Financial Information & Assistance 185
Fitness Center 214
Food Pantry 195
Foreign Language 241
Forestry, Pre-Conservation 146
Forsythe Center 217
Foundation 190
Foundation Scholarships 190
Frisbee Golf Course 214

G
General Education Goals 209
General Education Requirements 7, 134
Geography 242
Geospatial Information Systems (GIS) 242
Geospatial Technology 59
Goals & Mission 3
Grade Appeals 201
Grade Exclusion 201
Grade Point Average 201
Grades 201
Graduation Requirements 208
Graduation with Honors 200
Grants & Loans 186
Graphic Design 60

H
Health Education 155, 242
Health Services 195
Heating, Refrig. & Air Conditioning 61, 242
High School Students 181
History 156
Honors, Academic 200
Honors, Graduation 200
Honors Experience 212
Horticulture 63, 243
Housing 214
Humanities 244
Humanities & Communication 9
Human Relations 209
Human Services 243
Human Services – Business 64
Human Services – Criminal Justice 65
Human Services – Dietetics 66
Human Services – Education 67
Human Services – Health 68
Human Services – Psychology 69
Human Services – Sociology 70

I
Illinois Articulation Initiative 135
Incomplete Course 200
Independent Study 207, 244
Index 269
Indiana Residents, Tuition 184
Industrial Maintenance 71, 244
IT – Information Technology 245
IT – Computer Applications (AAS) 72
IT – Computer Applications (Certificate) 73
IT – Computer Game Development (Certificate) 74
IT – Digital Media Specialist (Certificate) 75
IT – Network Administration (AAS) 76
IT – Networking Administration (Certificate) 77
IT – Programming (AAS) 78
IT – Programming (Certificate) 79
IT – Web Technology (AAS) 80
IT – Web Technology (Certificate) 81
Instructor Withdrawals from Courses 200
Intensive English Language Program 182, 246
Intent to Enroll 179
Intercollegiate Athletics 213
International Students 182
IRIS – Internet Registration & Information System 191
Intramural Athletics 213

J
Job Search 194
John Deere Tech 82, 247
Journalism, Photography 248

K
Kluthe Center for
Higher Education & Technology 217

L
Laker Food Pantry 195
Laker Hub 191
Laker Mail 191
Laker Nest Bookstore 194
Laker Point 214
Law Enforcement 83
Law Enforcement Operations 84

LEAP 193
Learning Resource Center, Virgil H. Judge 194
Liberal Arts 157
Liberal Arts, Associate in Arts Degree 157
Library 194
Life Experience Credit/Experiential Credit 204
Literature 248
Livestock Judging Team TSA 188
Livestock Production 85
Loans, Financial Aid 186

M

Machine Tool Technology 248
Management 86
Manufacturing Maintenance 248
Manufacturing Skills 1 88
Map of College District 268
Marketing 89
Marshall, Eastern Region Center 217
Massage Therapy 91, 248
Massage Therapy Track 91
Math Pathways 134
Mathematics 158, 249
Mathematics Education 159
Mechanical – Electrical Technology 92, 250
Medical Assisting 94, 248
Medical Assistant Track 93
Medical Coding & Health Information 96
Medical Coding Specialist 97, 251
Medical Transcriptionist 98
Medicine, Pre 167
Military Duty, Student Call to 200
Military Science 252
Mission Statement 3
Music 252

N

Nanny Child Care Provider 99
Navigator 211
Nelnet Payment Plan 184
Network Administration, IT 76
Newspaper, Student 211
Nursing, ADN 18
Nursing, Practical 117
Non-residency Status, Tuition 184

O

Occupational Program Guarantee 6
Off Campus Sites 217
Office Assistant – Executive 100
Office Assistant – Legal 101
Office Assistant – Medical 102
Office Manager 103
Office Receptionist 104
Office Support Specialist 105
Office Support Specialist – Medical 106
Office Support Specialist – MOS 107
Online Learning 194
Organizations, Student 211
Orientation 192
Other Major 160

P

Parking 213
Paramedical Services 108
Paraprofessional Education 110
Partnerships for College and Career Success 195
Pathways to the Future 217
Payment of Tuition & Fees 184
Perkins Program 195
Personnel 261
Pharmacy, Pre- 169
Phi Theta Kappa 212
Philosophy 252
Physical Education 161, 252
Physical Therapist Assistant Track 112
Physical Therapist Assistant 113, 254
Physics 162, 254
Placement/Testing 180
Plastics 115, 255
Police Department 214
Political Science 163, 255
Policies, Procedures & Programs 196
Practical Nursing 117, 255
Practical Nursing Track 116
President's Welcome 3
Presidential Scholarship 188, 212
Pre-Chiropractic 164
Pre-Dentistry 165
Pre-Engineering 166
Pre-Forestry-Conservation 146
Pre-Medicine 167
Pre-Nursing 168
Pre-Pharmacy 169
Prerequisite Checking 180
Pre-Veterinary Medicine 171
Pre-Wildlife-Conservation 147
Print Technology 255
Private Scholarships 189
Probation, Academic 202
Professional Development Seminars 216
Professional Sales 119
Proficiency of Courses 203
Programmable Logic Controllers 120, 256
Programming 78
Psychology 172, 256
Public Assistance Grant Program 189

R

Radio-TV Broadcasting 122, 256
Radio Broadcasting 121
Radio Station 214
Reading 257
Refunds 185
Registration Procedures 180
Renewable Energy 123

Renewable Energy Management 124
Renewable Energy Technician 125
Rental System 184, 213
Repeated Courses 203
Residential Wiring 126
Residency Requirements 182
Residency Status, Tuition 181
Resources 191
Robotic & Automated Manufacturing 127

S
SAT scores 179
Scholarships 189, 190
Senior Citizens Tuition 184
Sexual Harassment Policy 196
Sharing a Job Opening 216
Social Science 257
Sociology/Social Work 176, 257
Special Education 177
Speech & Theatre Arts 258
Speech Communication 258
Strategies for Success 192, 258
Student Accommodations 192
Student Activities 213
Student Activity Board 211
Student Ambassadors 211
Student Call to Military Duty 200
Student Classification 199
Student Concerns & Grievances 196
Student Conduct 196
Student Handbook & Right to Know Information 196
Student ID Card 213
Student Government Association 211
Student Life 211
Student Organizations 211
Student Records & Directory Information 197
Student Rights & Responsibilities 196
Student Withdrawals from Courses 200
Study Abroad 257
Study Rooms, Library 194
Success Courses 192, 258
Summer College for Youth 216
Summer Term Financial Aid 186
Suspension, Academic 202

T
TV-Field/Studio Production 129
Talented Student Award 188
Workforce Ready Majors 7
Technology Courses 9, 258
Telecommunications 259
Telephone Directory 2
Text Notifications 195, 213
Textbook Rental/Course Materials 184, 213
Title IV Financial Aid 185
Traffic Safety Program 216
Transcript Evaluation 181, 208
Transcripts 181, 208
Transfer Ready Majors 133
Transfer of Credits 207
Transfer Degree Requirements 134, 207
Transfer Program Guarantee 6
TRIO Student Support Services 193
TRIO Destination College 217
Truck Driver Training Program 36, 230
Trustees, Board of 3
Tuition & Fees 184
Tuition Classification 184
Tuition, Indiana Residents 184
Tuition, Payments 184
Tutoring 193, 260
Tutoring and Testing Center 193, 260
Two-plus-two Transfer Agreement
for Workforce Ready Majors 10

U
Undecided 178

V
Veterans Affairs 188
Veterans & Reservists, Financial Assistance 187
Veterinary Medicine, Pre- 171
Virgil H. Judge Learning Resource Center, Library 194
Vision Statement 3

W
Welding 130, 256
Western Region Center 218
Wind Technology 260
Withdrawing from Courses 200
WLKL Radio 214
Workforce Development Center 215
Workforce Ready Majors 7

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