

Transfer Guide

IT Programming A.A.S. to Computer and Information Technology B.S.

Lake Land College and Eastern Illinois University

This is a suggested course pattern. Students must work with their advisor to develop a curriculum plan that meets their scheduling needs. Summer classes can also reduce the load during the fall and spring semesters.

Lake Land College Total Hours: 68

First Year

First Semester

CIS 156 Computer Logic	3 (CIT 1813)
CIS 099 Intro to Web Tech	3 (DGT 3813 or DGT Elective)
CIS 095 Database Management	3 (CIT 4770)
CIS 160 Practical Software	3 (EGT 1323 or BUS 1950)
ENG 119 or 120 ¹ Composition I	3 (ENG 1001G ¹)
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Second Semester

ITT 070 Python	3 (CIT 2183 or CIT Elective)
CIS 162 Object-Oriented Program I	3 (CIT 2183 or CIT Elective)
ITT 071 Web Scripting I	3 (DGT 3813 or DGT Elective)
CIS 060 Project Management	2 (MIS Elective) ⁴
IAI Social Behavioral Sci Gen Ed ²	3 (SB Gen Ed)
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Summer Term

ENG 121 ¹ Composition II	3 (ENG 1002G)
IAI Social Behavioral Science Gen Ed ²	3 (SB Gen Ed)
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Second Year

First Semester³

CIS 164 Object-Oriented Program II	3 (CIT 2283)
ITT 072 Web Scripting II	3 (CIT Elective) ⁴
CIS 049 Content Mgt Systems	2 (DGT 4823)
COM 111 ¹ Intro to Speech Comm	3 (CMN 1310G)
MAT 124 or 125 Statistics	3 (MAT 2250G)
CIS/ITT Elective ⁴	3 (CIT Elective) ⁴
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Second Semester

CIS 083 Systems Design	4 (CIT Elective) ⁴
CIS 074 IT Seminar	1 (MIS Elective) ⁴
ITT 045 IT Program Degree Intern	2 (CIT Elective) ⁴
IAI Social Behavioral Science	3 (SB Gen Ed)
CIS/ITT Elective ⁴	3 (CIT Elective) ⁴
CIS/ITT Elective ⁴	3 (CIT Elective) ⁴
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Eastern Illinois University Total Hours: 70

Third Year

First Semester

CIT 1001 Intro Computer & Info Tech	1
CIT 2523 Data Communication Tech I	3
CIT 2773 Database Administration	3
EGT 2324 Electricity Electronic Controls	4
Biological Science Gen Ed ⁴	3
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Second Semester

CIT 2803 Operating Sys computer Tech	3
CIT 2853 Cybersecurity Detect/Prevent	3
MAT 2120G ⁵ Finite Math	3
Humanities or Fine Arts Gen Ed ²	3 (Upper Level)
Physical Science Gen Ed ⁴	4
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Summer Term

EIU 4 ---- Senior Seminar	3
Humanities General Education ²	3 (Upper Level)
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Fourth Year

First Semester

CIT 4663 System Admin/Architecture	3
CIT 4823 Big Data & Cloud Computing	3
CIT 4843 Human Computer Interaction	3
MIS 4700 Advanced Networking	3
or CIT 3153 Data Communication Tech II	
EGT 3414 Engineering Tech Project Mgt	4
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Second Semester

CIT 4749 Capstone Project in CIT	3
CIT 4760 Sys Analysis, Design, Develop	3
DGT 4814 Digital Media Strategy	3
MIS 4850 Systems Security	3
ODL 4835 Supervision in Organizations	3
Fine Arts General Education ²	3 (Upper Level)
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Total Program Semester Hours: 138

Notes

¹ Grade of "C" or better is required

² One course must be culturally diverse.

³ Apply to Eastern and have official transcripts sent from college and high school.

⁴ Electives may be placed into the CIT major electives needed for graduation.

⁵ May need additional prerequisites.

NOTE - Completion of two semesters of a single foreign language is an EIU graduation requirement. Students are exempt if completed two full years of a foreign language in high school with a "C" average or better.

Transfer guide is in effect from Fall 2023 – Fall 2027. Departmental Contacts are **Eastern Illinois University**: Toqeer Israr, 217-581-2721, taisrar@eiu.edu; and **Lake Land College**: James Munger, jmunger@lakelandcollege.edu, 217-234-5326. Institutional Contacts are **Eastern Illinois University**: Rita Pearson, 217-581-7663, ripearson@eiu.edu; and **Lake Land College**: Emily Ramage, eramage@lakelandcollege.edu, 217-234-5403.