

Transfer Guide

A.A.S. in Computer-Aided Design Technology to Engineering Technology B.S. Lake Land College and Eastern Illinois University

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

Lake Land College

First Semester

TEC 103 Enr Graphics	3 (EGT 2043)
CAD 056 CAD I	2 (EGT Elective) ⁴
CIS 160 Prac Software	3 (EGT 1323 or BUS 1950)
ENG 119 or 120 ¹ Composition I	3 (ENG 1001G)
MAT 130 ² College Algebra	3 (MAT 1271/1400)
or APT 041 Applied Math I	or (EGT Elective)
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Second Semester

CAD 057 CAD II	3 (EGT Elective) ⁴
CAD 062 Intro to Solid Works	2 (EGT Elective) ⁴
MAT 132 ⁶ Trigonometry	3 (MAT 1330)
or APT 042&043 Appl Math I & III	or (EGT Electives)
IAI Social Science General Ed ³	3 (SB Gen Ed)
IIT 063 Innovation I	3 (EGT 3103)
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Summer Term ⁷

COM 111 Public Speaking	3 (CMN 1310G)
MAT Any IAI GECC Gen Ed	3 (MAT Gen Ed)
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Third Semester ⁵

CAD 058 CAD Systems	2 (EGT Elective) ⁴
CIM 092 CAM	3 (EGT Elective) ⁴
CAD 060 3D Solid Mod	3 (EGT 3063)
SOS 052 Workplace Safety	3 (EGT 2773)
PHY 130 Physics	4 (PHY 1151G/1152G)
Or TEC 060 Analytical Mechanics	or (CMG Elective)
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Fourth Semester

CAD 059 Special Apps CAD	3 (EGT Elective) ⁴
CAD 061 3D Parametric Design	3 (EGT Elective) ⁴
CIM 060 Comp Num Control	3 (EGT 3663)
MET 084 Tech Mechanisms	3 (EGT 3703)
APT 050 Electrical Principles	4 (EGT 2324)
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Lake Land Total: 65 Semester hours

Eastern Illinois University

First Semester

ENG 1002G ¹ Composition & Literature	3
EGT 1303 Engineering Tech Apps	3
EGT 1413 Intro to EGT	3
IAI Social Science General Ed ³	3
CMG 2953 Strength of Materials	3
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Second Semester

EGT 2004G Materials Science	4
EGT 4753 Lean Manufacturing	3
EGT 2424 Manufacturing Fabrication	4
Humanities Gen Ed ³	3(Upper Level)
BIO General Education	3
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Third Semester

EGT 3414 EGT Project Management	4
EGT 4943 Manufacturing Management	3
Social Science Gen Ed ³	3(Upper Level)
Humanities or Fine Arts ³	3(Upper Level)
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Fourth Semester

EGT 4503 Engineering Tech Cost Analysis	3
EGT 4704 Engineering Tech Capstone	4
ODL 4835 Supervision in Organizations	3
EGT 4843 Statistics Quality & Reliability	3
Fine Arts General Education ³	3(Upper Level)
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EIU Total: 61 Semester hours

Program Total: 126 Semester hours

Notes - Completion of the second level of a single Foreign Language is a graduation requirement. 2 full years of a single foreign language in high school with a "C" average or the second semester in a college level foreign language completes the requirement.

¹ A Grade of "C" or better is required.

² May need a prerequisite or appropriate math placement score.

³ One Course must meet Cultural Diversity graduation requirement.

⁴ 12 Hours applied to Engineering Technology Major Electives.

⁵ Apply to Eastern one year prior to enrollment. Have official transcripts sent from college and from high school.

⁶ Prerequisite for PHY 130. May be exempt with high school Trigonometry.

⁷ General Education required for Bachelors Degree at EIU

NOTE – Agreement is in effect from Fall 2023 – Fall 2027. Departmental Contacts are Eastern Illinois University: Mahmoud Al-Odeh, malodeh@eiu.edu, 217-581-7259; and Lake Land College: Leo Kitten, lkitten@lakelandcollege.edu, 217-234-5316. 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 and Heather Nohren, hnohren@lakelandcollege.edu, 217-234-5256.