

# 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) <sup>4</sup>
CIS 160 Prac Software	3 (EGT 1323 or BUS 1950)
ENG 119 or 120 <sup>1</sup> Composition I	3 (ENG 1001G)
MAT 130 <sup>2</sup> College Algebra	3 (MAT 1271/1400)
or APT 041 Applied Math I	or (EGT Elective)
14	

##### Second Semester

CAD 057 CAD II	3 (EGT Elective) <sup>4</sup>
CAD 062 Intro to Solid Works	2 (EGT Elective) <sup>4</sup>
MAT 132 <sup>6</sup> Trigonometry	3 (MAT 1330)
or APT 042&043 Appl Math I & III	or (EGT Electives)
IAI Social Science General Ed <sup>3</sup>	3 (SB Gen Ed)
IIT 063 Innovation I	3 (EGT 3103)
14	

#### Summer Term <sup>7</sup>

COM 111 Public Speaking	3 (CMN 1310G)
MAT Any IAI GECC Gen Ed	3 (MAT Gen Ed)
6	

##### Third Semester <sup>5</sup>

CAD 058 CAD Systems	2 (EGT Elective) <sup>4</sup>
CIM 092 CAM	3 (EGT Elective) <sup>4</sup>
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)
15	

##### Fourth Semester

CAD 059 Special Apps CAD	3 (EGT Elective) <sup>4</sup>
CAD 061 3D Parametric Design	3 (EGT Elective) <sup>4</sup>
CIM 060 Comp Num Control	3 (EGT 3663)
MET 084 Tech Mechanisms	3 (EGT 3703)
APT 050 Electrical Principles	4 (EGT 2324)
16	

**Lake Land Total: 65 Semester hours**

#### Eastern Illinois University

##### First Semester

ENG 1002G <sup>1</sup> Composition & Literature	3
EGT 1303 Engineering Tech Apps	3
EGT 1413 Intro to EGT	3
IAI Social Science General Ed <sup>3</sup>	3
CMG 2953 Strength of Materials	3
15	

##### Second Semester

EGT 2004G Materials Science	4
EGT 4753 Lean Manufacturing	3
EGT 2424 Manufacturing Fabrication	4
Humanities Gen Ed <sup>3</sup>	3(Upper Level)
BIO General Education	3
17	

##### Third Semester

EGT 3414 EGT Project Management	4
EGT 4943 Manufacturing Management	3
Social Science Gen Ed <sup>3</sup>	3(Upper Level)
Humanities or Fine Arts <sup>3</sup>	3(Upper Level)
13	

##### 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 <sup>3</sup>	3(Upper Level)
16	

**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.**

<sup>1</sup> A Grade of "C" or better is required.

<sup>2</sup> May need a prerequisite or appropriate math placement score.

<sup>3</sup> One Course must meet Cultural Diversity graduation requirement.

<sup>4</sup> 12 Hours applied to Engineering Technology Major Electives.

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

<sup>6</sup> Prerequisite for PHY 130. May be exempt with high school Trigonometry.

<sup>7</sup> 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](mailto:malodeh@eiu.edu), 217-581-7259; and Lake Land College: Leo Kitten, [lkitten@lakelandcollege.edu](mailto:lkitten@lakelandcollege.edu), 217-234-5316. Institutional Contacts are Eastern Illinois University: Rita Pearson, 217-581-7663, [ripearson@eiu.edu](mailto:ripearson@eiu.edu); and Lake Land College: Emily Ramage, [eramage@lakelandcollege.edu](mailto:eramage@lakelandcollege.edu), 217-234-5403 and Heather Nohren, [hnohren@lakelandcollege.edu](mailto:hnohren@lakelandcollege.edu), 217-234-5256.**