

A unique partnership leading to your degree in Industrial Technology

with Emphasis in Electro-Mechanical Drafting

Two of Southern California's leading educational institutions have created a
2 + 2 articulation agreement to expedite your studies to become an Industrial Technologist

GLENDALE COMMUNITY COLLEGE

Engineering Drafting Department (818) 240-1000 ext. 5541

GENERAL EDUCATION AT GCC

Required General Education Lower Division Courses

- | | | |
|--------------------------|----------|-------------------------------------|
| <input type="checkbox"/> | BIO 122* | Introduction to Biology |
| <input type="checkbox"/> | ENGL 101 | Freshman English |
| <input type="checkbox"/> | ENGL 104 | Critical Thinking and Argumentation |
| <input type="checkbox"/> | SPCH 101 | Public Speaking |

It is recommended that you take **two** of the eight courses listed below. The **six** remaining lower division GE courses along with the three courses required to satisfy the GE Upper Division Theme will be useful in balancing the technical course load at Cal State L.A.

- | | | |
|--------------------------|------------------------|---|
| <input type="checkbox"/> | HIST 110, 117 or 118** | United States History or History of the United States |
| <input type="checkbox"/> | POLS 106+105* | American State and Local Government <u>and</u>
American Political Ideals |
| <input type="checkbox"/> | AREA C (3 courses) | Arts, Literature, Philosophy and Foreign Language |
| <input type="checkbox"/> | AREA D (2 courses) | Social, Political and Economic Institutions |
| <input type="checkbox"/> | AREA E (1 course) | Lifelong Understanding and Self-Development |

* HIST 110 is the recommended history course. However, you can also meet the Cal State L.A.'s U.S. History requirement by taking HIST 117 or 118.

** See advisor for other available options.

COURSES IN MAJOR PROGRAM AT GCC

Basic Sciences and Mathematics

- | | | |
|--------------------------|----------|-------------------------------|
| <input type="checkbox"/> | CHEM 110 | Elements of General Chemistry |
| <input type="checkbox"/> | MATH 100 | College Algebra |
| <input type="checkbox"/> | PHYS 110 | Introduction to Physics |

Lower Division Technical Courses

- | | | |
|--------------------------|------------------------|--|
| <input type="checkbox"/> | BUSAD 154 | Environmental Hazardous Materials |
| <input type="checkbox"/> | DRAFTG 131 or ENGR 101 | Technical Drafting or Engineering Drawing |
| <input type="checkbox"/> | DRAFTG 141 | Fundamentals of Computer-Aided Drafting and Design |
| <input type="checkbox"/> | MATP 146 | Materials and Processes |

Advanced Technical Courses

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | DRAFTG 132 or ENGR 104 | Technical Drafting Dimensional Tolerancing or
Advanced Engineering Drawing |
| <input type="checkbox"/> | DRAFTG 133 or ENGR 130** | Electro-Mechanical Packaging and Design or
Electrical/Electronics Drawing |
| <input type="checkbox"/> | DRAFTG 134 | Advanced Mechanical Package Design |
| <input type="checkbox"/> | ENGR 103 or ARCH 103 | Descriptive Geometry |

** Non-transferable course. Credit will be granted for Cal State L.A. course TECH 415 upon matriculation as a Cal State L.A. Technology major.

CAL STATE L.A.

Department of Technology (323) 343-4550

GENERAL EDUCATION AT CAL STATE L.A.

General Education Lower Division

- | | | |
|--------------------------|-------------------|---------------------------------------|
| <input type="checkbox"/> | Lower Division GE | 6 remaining courses (See GCC GE note) |
|--------------------------|-------------------|---------------------------------------|

General Education Upper Division Theme

- | | | |
|--------------------------|-------------------------|-----------|
| <input type="checkbox"/> | Upper Division GE Theme | 3 courses |
|--------------------------|-------------------------|-----------|

Note: You must select two **diversity** courses from among the GE courses you take at Cal State L.A.

COURSES IN MAJOR PROGRAM AT CAL STATE L.A.

Technical Courses

- | | | |
|--------------------------|-----------|--|
| <input type="checkbox"/> | CS 190*** | BASIC Programming |
| <input type="checkbox"/> | TECH 150 | Introduction to Higher Education in Technology |
| <input type="checkbox"/> | TECH 200 | History of Technology |
| <input type="checkbox"/> | TECH 291 | Computers in Technology |
| <input type="checkbox"/> | TECH 380 | Industrial Graphic Communications |
| <input type="checkbox"/> | TECH 381 | Materials, Process and Fabrication Technology |
| <input type="checkbox"/> | TECH 382 | Power Technology |
| <input type="checkbox"/> | TECH 398 | Cooperative Education |
| <input type="checkbox"/> | TECH 400 | Written Communication Skills |
| <input type="checkbox"/> | TECH 414 | Robotics in Industry |
| <input type="checkbox"/> | TECH 481 | Practicum in Industrial Technology |
| <input type="checkbox"/> | TECH 482 | Metrics for Industry |
| <input type="checkbox"/> | TECH 484 | Automated Manufacturing Systems |
| <input type="checkbox"/> | TECH 488 | Fluid Power |
| <input type="checkbox"/> | TECH 489 | Industrial Training Methods |

*** Credit will be granted for students who take CS/IS 120 at Glendale Community College.

Required Management Courses

- | | | |
|--------------------------|-------------------------|--|
| <input type="checkbox"/> | ACCT 202 [▲] | Survey of Accounting |
| <input type="checkbox"/> | ECON 209 ^{▲▲} | Applied Business and Economics Statistics I |
| <input type="checkbox"/> | ECON 309 ^{▲▲▲} | Applied Business and Economics Statistics II |
| <input type="checkbox"/> | MATH 242 | Math for Business and Economics Majors |
| <input type="checkbox"/> | MGMT 306 | Production and Operations Management |
| <input type="checkbox"/> | MGMT 467 | Quality Control |

[▲] Credit will be granted for students who take ACCTG 101+102 at Glendale Community College.

^{▲▲} Credit will be granted for students who take ECON 107 or MATH 136 at Glendale Community College.

^{▲▲▲} Credit will be granted for students who take MATH 112 at Glendale Community College.

Required Elective

- | | | |
|--------------------------|---------------------|--|
| <input type="checkbox"/> | MANAGEMENT ELECTIVE | Select 1 course from ENGR 300, MGMT 460,
MGMT 461, MGMT 462, MGMT 463, MGMT
464, MGMT 473, PSY 442 |
|--------------------------|---------------------|--|

Note: You are required to take the Writing Proficiency Examination (WPE) prior to completing 135 quarter units.