

A unique partnership leading to your degree in Industrial Technology with Emphasis in Electronics

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

EAST LOS ANGELES COLLEGE

Department of Engineering and Technology (323) 265-8858

GENERAL EDUCATION AT ELAC

Required General Education Lower Division Courses

- | | | |
|--------------------------|----------|-----------------------------------|
| <input type="checkbox"/> | BIOL 3 | Introduction to Biology |
| <input type="checkbox"/> | ENGL 101 | College Reading and Composition |
| <input type="checkbox"/> | ENGL 103 | Composition and Critical Thinking |
| <input type="checkbox"/> | SPCH 101 | Oral Communication I |

*It is recommended that you take **two to five** of the eight courses below. Taking more than five courses is likely to result in the loss of units.*

- | | | |
|--------------------------|---------------------|---|
| <input type="checkbox"/> | U.S. HISTORY* | HIST 5 or 6 or 11 or 12 |
| <input type="checkbox"/> | POL SCI 1 | The Government of the United States |
| <input type="checkbox"/> | BLOCK C (3 courses) | Humanities |
| <input type="checkbox"/> | BLOCK D (2 courses) | Social and Political Sciences |
| <input type="checkbox"/> | BLOCK E (1 course) | Lifelong Understanding and Self-Development |

** HIST 11 and 12 are equivalent to Cal State L.A.'s HIST 202A and 202B respectively. You can also meet the Cal State L.A.'s U.S. History requirement by taking HIST 5 or 6.*

COURSES IN MAJOR PROGRAM AT ELAC

Basic Sciences and Mathematics Requirements

- | | | |
|--------------------------|-------------------|--|
| <input type="checkbox"/> | CHEM 65 or 101 | Introductory General Chemistry or General Chemistry I |
| <input type="checkbox"/> | GET 121 | Engineering Calculations I (or MATH 125) |
| <input type="checkbox"/> | GET 122 | Engineering Calculations II (or MATH 241) |
| <input type="checkbox"/> | GET 223 | Engineering Calculations III (or MATH 261 or MATH 236) |
| <input type="checkbox"/> | PHYS 11 or 6 or 1 | Introductory Physics or General Physics I |
| <input type="checkbox"/> | GEN ENGR 221 | Engineering Probability and Statistics (or MATH 227) |

Lower Division Engineering Technology Courses

- | | | |
|--------------------------|---------------------|---|
| <input type="checkbox"/> | EET 120 | DC Circuits |
| <input type="checkbox"/> | GEN ENGR 101 | Introduction to Science, Engineering, and Technology |
| <input type="checkbox"/> | GEN ENGR 102 | Engineering Problem Solving |
| <input type="checkbox"/> | GEN ENGR 110 | Engineering Graphics |
| <input type="checkbox"/> | GEN ENGR 161 or 151 | Processing of Engineering Materials or Materials of Engineering |
| <input type="checkbox"/> | GET 221 | Technical Applications of Digital Computation |
| <input type="checkbox"/> | MET 211 or 212 | Elementary Mechanical Principles or Technical Statics |

Required Technical Courses

- | | | |
|--------------------------|------------------|---|
| <input type="checkbox"/> | EET 221 | AC Circuits |
| <input type="checkbox"/> | ELECTRN 20 | Electronics Circuits I |
| <input type="checkbox"/> | ELECTRN 22 | Electronic Circuits II |
| <input type="checkbox"/> | ELECTRN 24 or 54 | Electronic Circuits III or Computer Logic |
| <input type="checkbox"/> | GEN ENGR 272 | Principles of Engineering Economy |

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 | 3-6 remaining GE courses |
|--------------------------|-------------------|--------------------------|

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"/> | TECH 101 | Industrial Safety for Industrial Education |
| <input type="checkbox"/> | TECH 150 | Introduction to Higher Education 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 Studies |
| <input type="checkbox"/> | TECH 484 | Automated Manufacturing Systems |
| <input type="checkbox"/> | TECH 488 | Fluid Power |
| <input type="checkbox"/> | TECH 489 | Industrial Training Methods |

Required Management Courses

- | | | |
|--------------------------|----------|---|
| <input type="checkbox"/> | ACCT 202 | Survey of Accounting |
| <input type="checkbox"/> | ECON 309 | Applied Business and Economic Statistics II |
| <input type="checkbox"/> | MGMT 306 | Production and Operations Management |
| <input type="checkbox"/> | MGMT 467 | Quality Control |

Advanced Technology Courses

- | | | |
|--------------------------|----------|-------------------------------------|
| <input type="checkbox"/> | TECH 325 | Industrial Controls |
| <input type="checkbox"/> | TECH 425 | Programmable Controls |
| <input type="checkbox"/> | TECH 427 | Advanced Microprocessors |
| <input type="checkbox"/> | TECH 428 | CAD in PCB Design and Manufacturing |

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

Effective March 1999