

A unique partnership leading to your degree in Electrical Engineering with Specialization in Computer Engineering

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

L.A. TRADE-TECHNICAL COLLEGE

Department of Science and Math (213) 744-9091

GENERAL EDUCATION AT LATTC

Required General Education Lower Division Courses

- | | | |
|--------------------------|-------------|-----------------------------------|
| <input type="checkbox"/> | ENGLISH 101 | College Reading and Composition |
| <input type="checkbox"/> | ENGLISH 103 | Composition and Critical Thinking |
| <input type="checkbox"/> | SPEECH 101 | Oral Communications I |

It is recommended that you take **three** of the six courses listed below. The **three** 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"/> | U.S. HISTORY* | HISTORY 11, 12, 13, 41, 42, 43, or 44 |
| <input type="checkbox"/> | POLSCI 1 | The Government of the U.S. |
| <input type="checkbox"/> | BLOCK C (3 courses) | Arts, Literature, Philosophy and Foreign Language |
| <input type="checkbox"/> | BLOCK E (1 course) | Lifelong Understanding and Self-Development |

* HISTORY 11 is equivalent to Cal State L.A.'s HIST 202A and HISTORY 12 or 13 is equivalent to Cal State L.A.'s HIST 202B. You can also meet the Cal State L.A.'s History Requirement by taking any one course from HISTORY 41, 42, 43, 44.

COURSES IN MAJOR PROGRAM AT LATTC

Basic Sciences and Mathematics

- | | | |
|--------------------------|-----------|--------------------------------------|
| <input type="checkbox"/> | CHEM 101 | General Chemistry I |
| <input type="checkbox"/> | MATH 265 | Calculus with Analytic Geometry I |
| <input type="checkbox"/> | MATH 266 | Calculus with Analytic Geometry II |
| <input type="checkbox"/> | MATH 267 | Calculus with Analytic Geometry III |
| <input type="checkbox"/> | MATH 275 | Ordinary Differential Equations |
| <input type="checkbox"/> | PHYSICS 1 | Mechanics of Solids |
| <input type="checkbox"/> | PHYSICS 2 | Mechanics of Fluids, Heat, and Sound |
| <input type="checkbox"/> | PHYSICS 3 | Electricity and Magnetism |
| <input type="checkbox"/> | PHYSICS 4 | Optics and Modern Physics |

Technical Courses

- | | | |
|--------------------------|--------------|--|
| <input type="checkbox"/> | GEN ENGR 101 | Introduction to Science, Engineering, and Technology |
| <input type="checkbox"/> | GEN ENGR 131 | Statics |
| <input type="checkbox"/> | CIS 739 | Programming in C |

CAL STATE L.A.

Department of Electrical and Computer Engineering (323) 343-4470

GENERAL EDUCATION AT CAL STATE L.A.

General Education Lower Division

- | | | |
|--------------------------|-------------------|---------------------|
| <input type="checkbox"/> | Lower Division GE | 3 remaining courses |
|--------------------------|-------------------|---------------------|

General Education Upper Division Theme

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

** A biology course must be included as part of GE Upper Division Theme

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.

Lower Division Engineering Courses

- | | | |
|--------------------------|----------------------------|------------------------------|
| <input type="checkbox"/> | EE 204 (formerly ENGR 204) | Circuit Analysis I |
| <input type="checkbox"/> | EE 210 | EE Measurements Laboratory |
| <input type="checkbox"/> | EE 211 | Electric Circuits Laboratory |
| <input type="checkbox"/> | EE 244 | Digital Engineering |
| <input type="checkbox"/> | EE 290 | EE Computing |

Upper Division Engineering Courses

- | | | |
|--------------------------|----------|---|
| <input type="checkbox"/> | ENGR 300 | Economics for Engineers |
| <input type="checkbox"/> | ENGR 301 | Ethics and Professionalism in Engineering |
| <input type="checkbox"/> | EE 304 | Electric Machines |
| <input type="checkbox"/> | EE 317 | Electronics Laboratory I |
| <input type="checkbox"/> | EE 320 | Analog Communication Systems |
| <input type="checkbox"/> | EE 330 | Writing for Electrical Engineers |
| <input type="checkbox"/> | EE 332 | Systems Analysis |
| <input type="checkbox"/> | EE 334 | Probability and Random Processes |
| <input type="checkbox"/> | EE 336 | Electronics |
| <input type="checkbox"/> | EE 345 | Microcomputer Programming |
| <input type="checkbox"/> | EE 346 | Digital Logic Laboratory |
| <input type="checkbox"/> | EE 360 | Controls Systems Theory I |
| <input type="checkbox"/> | EE 437 | Electric and Magnetic Fields |
| <input type="checkbox"/> | EE 496A | Senior Design I |
| <input type="checkbox"/> | EE 496B | Senior Design II |
| <input type="checkbox"/> | EE 496C | Senior Design III |

Upper Division Math and Technical Electives

- | | | |
|--------------------------|--------------------------------|---|
| <input type="checkbox"/> | MATH 325 or 402A or 403 or 474 | 1 course |
| <input type="checkbox"/> | EE 342 | Introduction to Software Engineering |
| <input type="checkbox"/> | EE 347 | Computer Logic Design |
| <input type="checkbox"/> | EE 443 | Digital and Timing Circuits Laboratory |
| <input type="checkbox"/> | EE 445 | Microprocessor Interface Design |
| <input type="checkbox"/> | EE 448 | Digital Design Laboratory |
| <input type="checkbox"/> | EE 449 | Computer Organization |
| <input type="checkbox"/> | EE TECHNICAL ELECTIVES | 4 lecture courses and 1 laboratory course |

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

Effective December 1999