

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. VALLEY COLLEGE

Department of Electronics/Engineering (818) 781-1200 ext. 2561

GENERAL EDUCATION AT L.A. VALLEY COLLEGE

Required General Education Lower Division Courses

- | | | |
|--------------------------|-------------------------|--|
| <input type="checkbox"/> | ENGLISH 101 | College Reading and Composition I |
| <input type="checkbox"/> | HISTORY 11 or 12 or 13* | Political and Social History of U.S. I or II or
The U.S. in Twentieth Century |
| <input type="checkbox"/> | SPEECH 101 | Oral Communication I |

It is recommended that you take **four** of the six courses listed below. The **two** 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"/> | ENGLISH 103 | Critical Thinking and English Composition |
| <input type="checkbox"/> | POL SCI 1 | The Government of the U.S. |
| <input type="checkbox"/> | BLOCK C (3 courses) | Humanities |
| <input type="checkbox"/> | BLOCK E (1 course) | Integrated Psychological and Physiological Studies |

* HISTORY 11 or 12 is equivalent to Cal State L.A.'s HIST 202A and HISTORY 13 is equivalent to Cal State L.A.'s HIST 202B. See advisor for other available options.

COURSES IN MAJOR PROGRAM AT L.A. VALLEY COLLEGE

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 and Analytic Geometry II |
| <input type="checkbox"/> | MATH 267 | Calculus and Analytic Geometry III |
| <input type="checkbox"/> | MATH 275 | Ordinary Differential Equations |
| <input type="checkbox"/> | PHYSICS 37 | Physics for Engineers and Scientists I |
| <input type="checkbox"/> | PHYSICS 38 | Physics for Engineers and Scientists II |
| <input type="checkbox"/> | PHYSICS 39 | Physics for Engineers and Scientists III |

Technical Courses

- | | | |
|--------------------------|----------------|--|
| <input type="checkbox"/> | ELECTRONICS 54 | Computer Logic |
| <input type="checkbox"/> | ELECTRONICS 58 | Introduction to Microprocessor |
| <input type="checkbox"/> | GEN ENGR 101 | Introduction to Science, Engineering, and Technology |
| <input type="checkbox"/> | GEN ENGR 243 | Statics and Strength of Materials |

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 | 2 remaining courses (See LA Valley College GE note) |
|--------------------------|-------------------|---|

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 | Circuit Analysis I |
| <input type="checkbox"/> | EE 210 ▶ | Electrical Engineering Measurements Laboratory |
| <input type="checkbox"/> | EE 211 ▶ | Electric Circuits Laboratory |
| <input type="checkbox"/> | EE 242 | "C" Programming for Engineers |
| <input type="checkbox"/> | EE 290 | Electrical Engineering Computing |

▶ It is recommended that students take EE 210 and EE 211 at Cal State L.A. However, Credit will be granted for students who take ELECTRONICS 4 and ELECTRONICS 6, respectively, at LA Valley College.

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 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 April 2000