

A unique partnership leading to your degree in Electrical Engineering

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

GLENDALE COMMUNITY COLLEGE

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

GENERAL EDUCATION AT GCC

Required General Education Lower Division Courses

It is recommended that you take all ten courses below at GCC.

- | | | |
|--------------------------|-----------------------|---|
| <input type="checkbox"/> | ENGL 101 | Freshman English |
| <input type="checkbox"/> | SPCH 101 | Public Speaking |
| <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 and American Political Ideals |
| <input type="checkbox"/> | AREA C (3 courses) | Arts, Literature, Philosophy and Foreign Language |
| <input type="checkbox"/> | AREA E (1 course) | Lifelong Understanding and Self-Development |
| <input type="checkbox"/> | ENGL 104 | Critical Thinking and Argumentation |

* 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 101 | General Chemistry |
| <input type="checkbox"/> | MATH 103 | Calculus and Analytic Geometry |
| <input type="checkbox"/> | MATH 104 | Calculus and Analytic Geometry |
| <input type="checkbox"/> | MATH 105 | Calculus and Analytic Geometry |
| <input type="checkbox"/> | MATH 108 | Ordinary Differential Equations |
| <input type="checkbox"/> | PHY 101 | Engineering Physics |
| <input type="checkbox"/> | PHY 102 | Engineering Physics |
| <input type="checkbox"/> | PHY 103 | Engineering Physics |

Required Technical Courses

- | | | |
|--------------------------|------------------|--|
| <input type="checkbox"/> | CS/IS 135 or 137 | Programming in C/C++ or Advanced C and C++ Programming |
| <input type="checkbox"/> | ECT 103 | Introduction to Digital Logic |
| <input type="checkbox"/> | ECT 104 | Introduction to Microprocessors |
| <input type="checkbox"/> | ENGR 100 | Introduction to Engineering |

CAL STATE L.A.

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

GENERAL EDUCATION AT CAL STATE L.A.

General Education Upper Division Theme

- 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 Course

- | | | |
|--------------------------|-------------------------------|------------------------------------|
| <input type="checkbox"/> | CE/ME 204 [formerly ENGR 204] | Circuit Analysis I |
| <input type="checkbox"/> | CE/ME 208 [formerly ENGR 208] | Statics and Strength of Materials |
| <input type="checkbox"/> | EE 210** | Electrical Measurements Laboratory |
| <input type="checkbox"/> | EE 211*** | Electric Circuits Laboratory |
| <input type="checkbox"/> | EE 290 | Electrical Engineering Computing |

** Credit will be granted for students who take ECT 102 at Glendale Community College.

*** Credit will be granted for students who take ECT 101 at Glendale Community 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 |
| <input type="checkbox"/> | PHYS 333 | Applied Modern Physics |

Upper Division Math and Technical Electives

- | | | |
|--------------------------|--------------------------------|--|
| <input type="checkbox"/> | MATH 325 or 402A or 403 or 474 | 1 course |
| <input type="checkbox"/> | EE SPECIALIZATION | 3 lecture courses and 1 laboratory course in one specialty |
| <input type="checkbox"/> | EE TECHNICAL ELECTIVES | 5 lecture courses and 2 laboratory courses |

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