

A unique partnership leading to your degree in Electrical Engineering

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

LOS ANGELES CITY COLLEGE

Department of Engineering and Physics (323) 953-4319

GENERAL EDUCATION AT LACC

Required General Education Lower Division Courses

- | | | |
|--------------------------|-------------|-----------------------------------|
| <input type="checkbox"/> | ENGLISH 101 | College Reading and Composition I |
| <input type="checkbox"/> | SPEECH 101 | Oral Communication I |

It is recommended that you take **four** of the seven 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"/> | HISTORY 5 or 6 or 11 or 12 or 13* | History of the Americas I or II or Political and Social History of the United States I or II or the United States in the Twentieth Century |
| <input type="checkbox"/> | POLSCI 1 | The Government of the United States |
| <input type="checkbox"/> | AREA C (3 courses) | Arts, Literature, Philosophy and Foreign Languages |
| <input type="checkbox"/> | AREA E (1 course) | Lifelong Understanding and Self Development |
| <input type="checkbox"/> | ENGLISH 103 | Critical Thinking, Reading, and Writing |

*Select one course from HISTORY 5, HISTORY 6, HISTORY 11, HISTORY 12, HISTORY 13.

COURSES IN MAJOR PROGRAM AT LACC

Basic Sciences and Mathematics

- | | | |
|--------------------------|-----------|--|
| <input type="checkbox"/> | CHEM 101 | General Chemistry I |
| <input type="checkbox"/> | MATH 261 | Calculus I |
| <input type="checkbox"/> | MATH 262 | Calculus II |
| <input type="checkbox"/> | MATH 263 | Calculus III |
| <input type="checkbox"/> | MATH 275 | Ordinary Differential Equations |
| <input type="checkbox"/> | PHYSICS 1 | Mechanics of Solids |
| <input type="checkbox"/> | PHYSICS 2 | Heat, Wave Motion, Fluids and Geometrical Optics |
| <input type="checkbox"/> | PHYSICS 3 | Electricity and Magnetism |

Lower Division Technical Courses

- | | | |
|--------------------------|--------------|---|
| <input type="checkbox"/> | EE 220 | Electrical Circuits |
| <input type="checkbox"/> | GEN ENGR 101 | Introduction to Science, Engineering and Technology |
| <input type="checkbox"/> | GEN ENGR 131 | Statics |

Upper Division Technical Course

- | | | |
|--------------------------|-----------|--------------------------------|
| <input type="checkbox"/> | PHYSICS 4 | Modern Physics and Wave Optics |
|--------------------------|-----------|--------------------------------|

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 242 † | "C" Programming for Engineers |
| <input type="checkbox"/> | EE 244 | Digital Engineering |
| <input type="checkbox"/> | EE 290 | Electrical Engineering Computing |

† Credit will be granted for students who take CSIT 139 at L.A. City 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 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 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.