

# 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

## LOS ANGELES CITY COLLEGE

Department of Engineering and Physics (323) 953-4319

### GENERAL EDUCATION AT LACC

#### Required General Education Lower Division Courses

- ENGLISH 101 College Reading and Composition I
- 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.

- 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
- POLSCI 1 The Government of the United States
- AREA C (3 courses) Arts, Literature, Philosophy and Foreign Languages
- AREA E (1 course) Lifelong Understanding and Self Development
- 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

- CHEM 101 General Chemistry I
- MATH 261 Calculus I
- MATH 262 Calculus II
- MATH 263 Calculus III
- MATH 275 Ordinary Differential Equations
- PHYSICS 1 Mechanics of Solids
- PHYSICS 2 Heat, Wave Motion, Fluids and Geometrical Optics
- PHYSICS 3 Electricity and Magnetism

#### Lower Division Technical Courses

- EE 220 Electrical Circuits
- GEN ENGR 101 Introduction to Science, Engineering and Technology
- GEN ENGR 131 Statics

#### Upper Division Technical Courses

- 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

- Lower Division GE 3 remaining courses

#### 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 Courses

- EE 242 ◀ "C" Programming for Engineers
- EE 244 Digital Engineering
- EE 290 Electrical Engineering Computing

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

#### Upper Division Engineering Courses

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

#### Upper Division Math and Technical Electives

- MATH 325 or 402A or 403 or 474 1 course
- EE 342 Introduction to Software Engineering
- EE 347 Computer Logic Design
- EE 443 Digital and Timing Circuits Laboratory
- EE 445 Microprocessor Interface Design
- EE 448 Digital Design Laboratory
- EE 449 Computer Organization
- 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.