COLLEGE OF
ENGINEERING &
COMPUTER SCIENCE

Turning endless possibilities into innovative ideas to shape the world
... partnering with CSUF to encourage more women to graduate with STEM backgrounds is a very good business initiative.

Cathy Lekawa
Director of Software Engineering
Raytheon
MECHANICAL ENGINEERING
1,205 Students*
Students graduate with a firm grasp of the science, mathematics and engineering needed to carry out complex tasks applicable to a wide range of industries, such as manufacturing, transportation, energy, food, biomedical and others.

COMPUTER SCIENCE
1,528 Students*
The department emphasizes a strong knowledge of computer science fundamentals, computer system technology, and practical problem solving skills for creating computer systems applications.

COMPUTER ENGINEERING
564 Students*
The program strives to combine the best facilities along with driven faculty and an innovative curriculum in the computer hardware & software aspects of computer-based systems to prepare students for the great engineering challenges of the 21st century.

CIVIL & ENVIRONMENTAL ENGINEERING
932 Students*
Students gain the background and tools required to excel in their intended profession in Civil Engineering. The areas of focus include structural, geotechnical, hydraulic, environmental, construction, transportation and architectural engineering.

ELECTRICAL ENGINEERING
597 Students*
The program provides students with knowledge of basic and advanced topics in the areas of design and analysis of VLSI and electronic circuits, design and analysis of computer architecture, microprocessors, communication systems, signal processing, and control systems.

* Fall 2016 Enrollment: Institutional Research and Analytical Studies, Cal State Fullerton
WHERE WE STAND

The College of Engineering & Computer Science (ECS) ranks among the top in California and in the nation for our engineering programs and online graduate programs. With the national push for STEM-focused education, the college is the fastest growing on campus and will continue to attract top-tier talent.


ENROLLMENT IN THE COLLEGE OF ENGINEERING & COMPUTER SCIENCE

2000: 1,660 STUDENTS
2016: 4,873 STUDENTS
INCREASE 194%

TOP 30%
NATIONAL ENGINEERING PROGRAMS (NO DOCTORATE)

TOP 3%
ONLINE GRADUATE ENGINEERING PROGRAMS IN CALIFORNIA

TOP 25%
ONLINE GRADUATE ENGINEERING PROGRAMS NATIONALLY
DIVERSITY MAKES US

The College of ECS provides an inclusive and diverse campus. Our students come from all different backgrounds and strive to be the best in their respective fields of study. The college provides learning communities such as Women in Engineering for female freshmen and ECS Scholars for freshmen from underrepresented populations.

FALL 2016 UNDERGRAD ENROLLMENT

First Generation College Students

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<th>Ethnicity</th>
<th>Count</th>
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<tbody>
<tr>
<td>Asian</td>
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<tr>
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</tbody>
</table>

Re-engineering the Divide - Female Enrollment

2013: 16 Percent  | Increase 2 |
2016: 20 Percent  | 25%         

2: Institutional Research and Analytical Studies, Cal State Fullerton
ENSURING SUCCESS THROUGH DIRECT ENGAGEMENT

**STUDENT SUCCESS CENTER**
A full service support center that include student advising, tutoring, retention and graduation services.

**CAREER FAIRS**
Opportunities for students & employers:
- **ECS Fair 2017**: 748 students/30 employers
- **STEM Fair 2016**: 797 students/62 employers

**OUTSTANDING SCHOLARS**
Faculty researchers are deeply involved in areas such as navigation, cybersecurity, structural engineering, assistive technology, biomedical devices & much more.

**PROJECT-BASED LEARNING**
Students compete and place in highly regarded national, regional and state research competitions. This project-based learning approach creates hands-on applied opportunities that uniquely prepare our students for the workforce.

INSPIRATION THROUGH COMPETITION

**SAE INTERNATIONAL**
Formula SAE International Competition

**GE/PREDIX**
GE/Predix Innovation Challenge: 1st (2016)

**ASCE**

**AUVSI**
Student Unmanned Air Systems Competition

**IEEE SusTech**
Conference on Technology for Sustainability: 3rd (2016)

**The California State University**
Annual Student Research Competition
In addition to receiving hands-on learning from our distinguished faculty, ECS students at Cal State Fullerton are also involved with student clubs and organizations that provide real-world experience that prepare them to excel in any company or institution.
CALIFORNIA STATE UNIVERSITY FULLERTON CAREER CENTER
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Follow us on social media: @CSUFcareer