

## Impacted Major

### What does Impacted Major status mean?

Impacted Major status means there is a cap on the number of students admitted to the major. Students who were not admitted to UCSD directly into an Impacted Major will have to apply to change into it.

### Which CSE majors are Impacted Majors?

Effective Fall 2015, the four CSE majors are impacted for all incoming and continuing students.

### I'm a Fall 2015 freshmen or transfer who was not admitted as a CSE major. What should I do prior to applying?

Enroll in the CSE courses that fulfill eligibility requirements for applying to the major. These courses are offered every quarter.

### What are the eligibility requirements for applying?

1. Minimum of **eight** units of CSE courses completed at UC San Diego for a letter grade, drawn from the following courses: CSE 8B or CSE 11, CSE 12, CSE 15L, CSE 20 or Math 15A, CSE 21, CSE 30, and CSE 100.
2. All of the following courses (or accepted equivalents) must be completed **prior** to application: CSE 8B or 11, CSE 12, CSE 15L, and CSE 20 or Math 15A.

### How will decisions be made?

Applicants will be ranked according to the UCSD GPA earned in the eligibility criteria courses. Students will be admitted until all open spots are filled.

### What are my odds of being accepted into the major?

The odds of getting into a CSE major will vary every quarter because there are six variables:

- What is your GPA in criteria courses?
- What is the GPA of everyone else in the pool
- How many spots are available compared to number of applicants? This is determined by:
  - How many incoming freshmen and transfer students were admitted into the CSE majors?
  - How many CSE majors graduated?
  - How many continuing students switched out of the major?

## CSE At a Glance

### Undergraduate Degree Programs and Major Codes

- CS25: B.S. Computer Engineering (136 units)
- CS26: B.S. Computer Science (128 units)
- CS27: B.S. Computer Science: Bioinformatics Specialization (153 units)
- CS28: B.A. Computer Science (116 units)

### CSE by the Numbers

**2,159** undergraduate majors in Fall 2014  
**17%** female (national average)  
**18,500** annual course enrollments

**259** bachelor degrees awarded, 2013/14  
**\$81K** median reported starting salary  
**\$140K** highest reported starting salary

### CSE Student Affairs Office

Computer Science and Engineering Building  
Room 1231  
Student Affairs Office: (858) 534-8872  
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UC San Diego

## Computer Science & Engineering



Welcome  
Fall 2015 Students!



## Frequently Asked Questions

### **What is the difference between the B.A. Computer Science and the B.S. Computer Science degree?**

The B.S. Computer Science degree requires an additional statistics course and more electives. For the B.S., a “cluster” specialization of electives is recommended. Graduates from both degrees are qualified for graduate school and the same types of professional positions.

### **What is the difference between the B.S. Computer Science and the B.S. Computer Engineering degree?**

The B.S. Computer Science program focuses on software and requires nine electives. The B.S. Computer Engineering program focuses on both hardware and software and requires seven electives.

### **What is the difference between the Computer Engineering majors offered by ECE and CSE?**

The departments of ECE and CSE both offer a B.S. Computer Engineering program. The degree requirements are identical. Both are Impacted Majors (see reverse), and students apply to them separately. See ECE for questions on their process.

### **What is the difference between the B.S. Computer Science and the B.S. CS: Bioinformatics degree?**

The Bioinformatics Specialization places emphasis on biochemistry and biology courses in addition to computer science courses.

### **Several departments offer a Bioinformatics Specialization. What are the differences?**

This interdisciplinary major is offered by CSE, Biological Sciences, Chemistry and Biochemistry, and Bioengineering. All of the Bioinformatics programs require the same lower-division and core courses, but the upper-division electives will vary by department.

### **Can I hold an internship while attending UCSD?**

Yes, absolutely. Internships are an invaluable experience. The majority of our students participate in at least one internship experience, often in the summer, and as soon as the end of freshman year. CSE Advising regularly sends information to our majors about available internships. Other resources include the CSE faculty, the Corporate Affiliates Program, DECaF, TechTalks, the Team Internship Program (TIP), and the Career Services Center.

### **What opportunities are available for me to explore my interest in graduate school or a career in education?**

There are a number of opportunities available to you! Be sure to talk to your instructors about the possibility of signing up for research or projects. Sometimes you may earn credit toward the degree for these units. Consider applying to be a Tutor for one of our undergraduate courses. Talk to CSE graduate students and TAs about their experiences, and perhaps ask one to be a mentor.

### **What is the Five-Year B.S./M.S. Degree Program?**

This program allows students to complete the requirements for the master’s degree within one year following receipt of the bachelor’s degree. Students should consult a CSE Advisor early, as the deadline to apply is a year before the expected bachelor’s graduation date.

### **Can CSE majors study abroad?**

YES! We encourage CSE majors to take advantage of study and research opportunities through the Education Abroad Program (EAP) and the Opportunities Abroad Program (OAP). EAP programs are offered at over 140 institutions in 34 countries. Students may earn academic credit to satisfy major or minor requirements, if approved by the CSE department. It is important to see a CSE Advisor early to plan for studying abroad.

### **What student organizations are there for CSE majors?**

Many studies have shown that co-curricular involvement improves academic success, and the sooner students connect with others and become involved, the better. Student organizations related to CSE include Women in Computing, Computer Science and Engineering Society, Eve Security Club, and the Undergraduate Bioinformatics Club. Other excellent opportunities for becoming involved include tutoring, participating in research projects

with faculty, obtaining an internship, participating in Hackathons sponsored by local and national companies (Facebook, Google, Microsoft), and many other co-curricular activities.

### **Is there a high demand for CSE graduates?**

The field of computer science and engineering field is experiencing rapid growth, and most of our graduates find full-time positions upon graduation.

### **What careers are available to CSE graduates?**

Many students continue on to graduate school. Other students choose professional careers that involve the design of computer hardware and software systems in diverse areas such as computer graphics, computer-aided design, multimedia systems, databases, parallel computation, and bioinformatics.

### **Are there enough seats in CSE courses to accommodate the demand of students?**

The Department of CSE does its best to provide as many seats as possible in CSE courses. All required core courses are offered three to four quarters (counting summer) each year, and so there is flexibility in enrollment planning for progress to the degree. We encourage students to plan strategically *prior* to their enrollment period and meet with a CSE Advisor to prepare a Long Term Course Plan.

### **Can I attend CSE courses before I submit my Student Intent to Register?**

You can schedule a Triton Tour with the Office of Admissions and Relations with Schools. A full list of courses will be available starting Spring 2015: <http://admissions.ucsd.edu/tours/>.

### **Can I meet with a CSE advisor before submitting my Student Intent to Register (SIR)?**

Yes, you can make a 30 minute appointment to speak with a CSE Advisor by calling (858) 534-8872. We will not make appointments during peak periods of advising, which includes the first week of classes.