BS in Computer Engineering (BSCpE), 2016-2017 Catalog

Pre-Professional Courses

- CSE 1310 Intro to Programming (prerequisite: MATH 1302)
- CSE 1320 Intermediate Programming (coreq: Math 1421)
- CSE 1325 Object-Oriented Programming
- CSE 2310 Intro to Software Eng.
- CSE 2320 Operating Systems
- CSE 2100 Practical Systems
- CSE 2300 Algorithms & Data Structures
- CSE 2320 Computer Organization
- CSE 2315 Discrete Structures
- CSE 3310 Intro to Software Eng.
- CSE 3320 Operating Systems
- CSE 3380 Linear Algebra
- CSE 3313 Signal Processing
- CSE 3342 Embedded I
- CSE 3442 Embedded II
- CSE 4323 Quan. Computer Arch.
- CSE 4344 Computer Networks
- CSE 4340 Mobile Systems
- CSE 4342 Embedded II

4000 Level Courses

- CSE 4314 Professional Practices
- CSE 4316 Senior Design I
- CSE 4317 Senior Design II
- CSE 4340 Mobile Systems
- CSE 4342 Embedded II

Corequisite

- prerequisite

Foreign Language
- If required, two semesters of the same language

General Education
- Language/Philosophy/Culture elective
- HIST 1311
- HIST 1312
- POLS 2311
- POLS 2312
- Creative Arts elective
- Social/Behavioral (IE 2308 or ECON 2305)

Math and Science Electives
- 3 hours of Math electives
- 4 hours of Science electives
- See list of approved courses in CpE Program Guide.

Required CpE Elective
- Computer Engineering majors must take at least one of CSE 4340 Mobile Systems, CSE 4360 Robotics, or CSE 4342 Embedded Systems II

Additional Technical Electives
- 3 hours of Technical electives
- See list of approved courses in CpE Program Guide.

* 4000 Level Courses
Only students admitted to the professional program may take 4000 level courses