BS in Computer Engineering (BSCpE), 2018-2019 Catalog

**Pre-Professional Courses**

- **UNIV 1131** (freshman students only)
- OR
- **ENGR 1101** (transfer students)

- **CSE 1310** Intro to Programming (prerequisite: MATH 1302)
- **CSE 1320** Intermediate Programming (coreq: Math 1421)
- **CSE 1325** Object-Oriented Programming
- **CSE 2100** Practical Systems
- **CSE 2120** Computer Organization
- **CSE 2312** Algorithms & Data Structures
- **CSE 2315** Discrete Structures

- **CSE 1105** Intro to CSE
- **ENGR 1250** (Co-Req MATH 1421 or above)

**Technical Elective courses**

- At least one must be
  - **CSE 4340** Mobile Systems
  - **CSE 4360** Robotics
  - **CSE 4342** Embedded Systems II

- See list of approved courses in the Computer Engineering Program Guide.

- **Remember to check prerequisites.**

**Pre/co req**

**4000 Level Courses**

- **CSE 3313** Signal Processing
- **CSE 3320** Operating Systems
- **CSE 3380** Linear Algebra
- **IE 3301** Engineering Probability and Stats
- **CSE 3310** Intro to Software Eng.

**Math and Science Electives**

- 3 hours of Math electives
- 4 hours of Science electives

See list of approved courses in CpE Program Guide.

**Math and Science Electives**

- 3 hours of Math electives
- 4 hours of Science electives

**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**

- Minimal requirements
- See list of approved courses in the Computer Engineering Program Guide.