

**Pre-Professional Courses**

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

CSE 1310  
Intro to Programming  
(prerequisite: MATH 1302)

CSE 1105  
Intro to CSE

ENGR 1250  
(Co-Req MATH 1421  
or above)

MATH 1426  
Calculus I

PHYS 1443  
Technical Physics I

ENGL 1301

CSE 1320  
Intermediate Programming  
(coreq: Math 1421)

CSE 2315  
Discrete Structures

MATH 2425  
Calculus II

PHYS 1444  
Technical Physics II

CSE 1325  
Object-Oriented  
Programming

CSE 2312  
Computer Organization

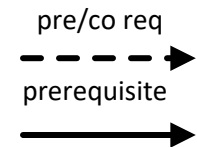
CSE 2100  
Practical  
Systems

CSE 2441  
Digital Logic

CSE 2320  
Algorithms & Data  
Structures

CSE 2440  
Circuits & Signals

CSE 2440  
Circuits & Signals



Only students who have completed all pre-professional courses satisfactorily and thus are admitted to the professional program may take 4000 level courses.

COMS 2302  
Professional and Tech.  
Communication  
(PreReq ENGL1301 and either  
ENGR 1300 or ENGL 1302)

**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.

**4000 Level Courses**

CSE 4342  
Embedded II

CSE 4360  
Robotics

CSE 4340  
Mobile Systems

**2 Technical Elective courses** out of which at least one must be CSE 4340 Mobile Systems, CSE 4360 Robotics, or CSE 4342 Embedded Systems II.

See list of approved courses in the Computer Engineering Program Guide. Remember to check prerequisites.

CSE 4344  
Computer  
Networks

CSE 4323  
Quan. Computer  
Arch.

CSE 4314  
Professional Practices

CSE 4316  
Senior Design I

CSE 4317  
Senior Design II

The Senior Design courses must be taken in consecutive semesters: (Fall and Spring), (Spring and Summer), or (Summer and Fall). Spring and Fall is NOT an option.