BS in Software Engineering (BSSE), 2018-2019 Catalog

### Pre-Professional Courses
- CSE 1310 Intro to Programming (prerequisite: MATH 1302)
- CSE 1105 Intro to CSE
- CSE 1320 Intermediate Programming (coreq: Math 1421)
- CSE 2100 Practical Systems
- CSE 2312 Computer Organization
- CSE 2320 Algorithms & Data Structures
- CSE 2315 Discrete Structures
- CSE 2316 Calculus I
- CSE 2317 Calculus II
- CSE 3310 Intro to Software Eng.
- CSE 3311 Object-Oriented Programming
- CSE 3315 Theoretical CS
- CSE 3380 Linear Algebra
- CSE 3390 Operating Systems
- CSE 3302 Programming Languages
- CSE 3330 Databases
- CSE 3335 Data Structures
- CSE 4314 Professional Practices
- CSE 4316 Senior Design I
- CSE 4317 Senior Design II
- CSE 4361 Software Patterns
- CSE 4362 Software Testing
- CSE 4363 Software Project Management
- CSE 4380 Information Security

### Math and Science Electives
- 3 hours of Math electives
- 4 hours of Science electives

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

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

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

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