BS in Software Engineering (BSSE), 2016-2017 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 1325 Object-Oriented Programming
CSE 2312 Computer Organization
CSE 2100 Practical Systems
CSE 3200 Algorithms & Data Structures
CSE 3300 Databases
CSE 3311 Object-Oriented Software Engineering
CSE 3322 Programming Languages
CSE 3315 Theoretical CS

CSE 2315 Discrete Structures
CSE 3310 Intro to Software Eng.
CSE 3320 Operating Systems
CSE 3380 Linear Algebra
IE 3301 Engineering Probability and Stats
COMS 2302 Professional and Tech. Communication (PreReq ENGL 1301 and either ENGR 1300 or ENGL 1302)

Additional Technical Electives
- 9 hours of Technical electives
See list of approved courses in SE Program Guide.

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 SE Program Guide.

MATH 1426 Calculus I
MATH 1421 Calculus II
MATH 2425 Technical Physics I
MATH 1302 Calculus II

COMS 2302 Professional and Tech. Communication (PreReq ENGL 1301 and either ENGR 1300 or ENGL 1302)

CSE 4361 Software Design Patterns
CSE 4321 Software Testing
CSE 4322 Software Project Management

* 4000 Level Courses
Only students admitted to the professional program may take 4000 level courses
*CSE 4314 Professional Practices
*CSE 4316 Senior Design I
*CSE 4317 Senior Design II

4000 Level Courses

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CSE 3320 Operating Systems
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