BS in Software Engineering (BSSE), 2012-2013 catalog

Pre-professional program:
all courses above this line must be completed to enter professional program.

CSE courses below this line can only be taken after entering professional program. THIS INCLUDES YOUR CSE TECHNICAL ELECTIVES.

1104 Intro to Engineering

1310 Intro to Programming (deficiency course, corequisite: MATH 1302)

1105 Intro to CSE

PHYS 1443 Technical Physics I

MATH 1426 Calculus I

ENGL 1301

ENGL 1302

2315 Discrete Structures

1320 Intermediate Programming (corequisite: MATH 1323)

2320 Algorithms & Data Structures

1325 Object Oriented Programming

2312 Computer Organization

PHYS 1444 Technical Physics II

MATH 2425 Calculus II

MATH 3330 Linear Algebra

IE 3312 Engineering Economics

COMS 2302 Professional and Tech. Communication

3316 Professional Practices

3315 Theoretical CS

2320 Algorithms & Data Structures

1302 Programming Languages

3311 Object-Oriented Software Engineering

3310 Intro to Software Eng.

3300 Databases

3320 Operating Systems

IE 3301 Engineering Probability and Stats (see Statistics note)

MATH 3330 Linear Algebra

IE 3312 Engineering Economics

COMS 2302 Professional and Tech. Communication

3316 Professional Practices

4316 Senior Design I

4317 Senior Design II

4315 Theoretical CS

3302 Programming Languages

3311 Object-Oriented Software Engineering

3310 Intro to Software Eng.

4361 Software Design Patterns

4321 Software Testing

4322 Software Project Management

4322 Software Project Management

Statistics note: MATH 3313 can be used instead of IE 3301, but it has a prerequisite of MATH 2326

Foreign language (if required, two semesters of the same language)

General Education

- Literature (ENGL 2309, 2319, or 2329)
- HIST 1311
- HIST 1312
- POLS 2311
- POLS 2312
- 3 hours Fine Arts elective
- 3 hours Social/Cultural elective

See list of approved courses.

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3 hours of Math electives

4 hours of Science electives

6 hours of Technical electives

Updated: 8/21/2012