# BS Software Engineering

These offerings are in effect as of Fall 2013

## Math Requirements
- MAT 211 Calculus I
- MAT 225 Discrete Math
- MAT 313 Statistics I
- MAT 318 Elementary Linear Algebra

## Computer Science Requirements
- CSC 107 Computer Science I Lab
- CSC 110 Computer Science I
- CSC 111 Computer Science II
- CSC 310 Design & Analysis of Algorithms
- CSC 371 Database Management
- CSC 431 Computer Networks

## Computer Engineering Requirements
- CMPE 220 Computer Organization
- CMPE 320 Operating Systems

## Software Engineering Requirements
- SWE 200 Design Patterns
- SWE 300 Crafting Quality Code
- SWE 310 Software Metrics/Process Management
- SWE 400 Large Scale Architectures
- SWE 420 Extreme Programming

## Electives
- CSC, CMPE or SWE Elective (4 credit)