BS Computer Science

Applied Option, Software Engineering

“Options consist of a minimum of 21 designated quarter credits of related course work, 15 of which must be at the upper-division level.” (Office of Academic Programs & Assessment)

The Applied CS Program must meet the following conditions:

* Minimum of 32 credits
* Recommended minimum of 20 upper division credits
* Coherent body of knowledge where applications of computer science could play an important role

## Core (16 credits)

SE 201 Software Development I (4)

SE 202 Software Development II (4)

SE 203 Software Development III (4)

SE 303 Software Systems Infrastructure (4)

## Electives (16 credits)

Choose 16 credits from the following:

CS 492 Mobile Software Development (4)

CS 493 Cloud Application Development (4)

CS 464 Open Source Software (4)

CS 466 Web-based startup Project (4)

ECE 478 Network Security (4)

CS 434 Machine Learning & Data Mining (4)

CS 447 Wireless Embedded Systems (4)

CS 406 Projects (1 - 4)

CS 401 Research (1 - 4)

12 credits at lower division (SE 201, 202, 203)

20 credits at upper division (SE 303, CS 4xx electives)

Current Applied Option, Web and Mobile Software Development:

