

APPLIED COMPUTER PROGRAMMING, BS

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

| Course | Title | Hours |
|---|--|-----------|
| Freshman | | |
| Fall | | |
| MATH 1813 or PHIL 1313 | Preparation for Calculus (Q) or Logic and Critical Thinking (Q) | 3 |
| CS 1103 | Computer Programming (Q) | 3 |
| CS 1113 | Computer Science I (Q) | 3 |
| General Education courses | | 6 |
| Hours | | 15 |
| Spring | | |
| MATH 2144 | Calculus I (Q) | 4 |
| CS 2133 | Computer Science II | 3 |
| General Education courses | | 8 |
| Hours | | 15 |
| Sophomore | | |
| Fall | | |
| CS 3653 | Discrete Mathematics for Computer Science | 3 |
| CS 2433 | C/C++ Programming | 3 |
| Upper-division related | | 3 |
| General Education courses | | 6 |
| Hours | | 15 |
| Spring | | |
| CS 3443 | Computer Systems | 3 |
| CS 4153 | Mobile Applications Development | 3 |
| Major, College, and Elective courses | | 6 |
| Upper-division elective | | 3 |
| Hours | | 15 |
| Junior | | |
| Fall | | |
| CS 3353 | Data Structures and Algorithm Analysis I | 3 |
| CS 4243 | Introduction to Computer Security | 3 |
| CS 4273 | Software Engineering | 3 |
| Major, College, and Elective courses | | 6 |
| Hours | | 15 |
| Spring | | |
| STAT 4013 | Statistical Methods I (Q) | 3 |
| CS 4433 | Introduction to Database Systems | 3 |
| BCOM 3113 or BCOM 3223 or ENGL 3323 | Written Communication or Oral Communication or Technical Writing | 3 |
| Major, College, and Elective courses | | 6 |
| Hours | | 15 |
| Senior | | |
| Fall | | |
| CS Elective | | 3 |
| CS 3363 | Organization of Programming Languages | 3 |
| CS 4273 | Software Engineering | 3 |

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|--------------------------------------|----------------------------|------------|
| Major, College, and Elective courses | | 6 |
| Hours | | 15 |
| Spring | | |
| CS 4883 | Social Issues in Computing | 3 |
| CS 4983 | Senior Capstone Project | 3 |
| Upper-division related | | 3 |
| Major, College, and Elective courses | | 6 |
| Hours | | 15 |
| Total Hours | | 120 |