CS BAE Course Sequence Chart

**Arrows are prerequisites. Overlapping means scheduled same quarter.**

### CS courses (CSCI)

- **141** Computer programming 1
- **145** Comp Prog & Linear Data Structures
- **241** Data Structures
- **311** Fundamentals of Data Science
- **345** Object Oriented Design
- **330** Database systems
- **426** Human Centered Tech Design
- **436** Tech for Social Good
- **425** CS Teaching Methods I & II
- **435** CS Teaching Practicum I & II
- **430**
- **410**
- **425**
- **431**
- **432**
- **411**
- **363**
- **303**
- **310**
- **370** Science & Society

### SMATE courses (SCED)

C- or above in 145 serves as the entry point for SMATE courses

- **101** Computers and Applications
- **102** Computers Mediated Communications
- **370** Science & Society
- **342** Web scripting
- **346** Secure software development
- **361** Cybersecurity
- **372** Robotics
- Other electives with advisor’s approval

### Woodring courses (SEC)

C- or above in 145 serves as the entry point for Woodring courses

- **430**
- **410**
- **425**
- **431**
- **432**
- **310**
- **303**
- **411**
- **363**

### CS Specialization Electives:
Choose 8 credits

- **202** Dynamic web pages
- **247** Computer Systems 1
- **321** Game programming
- **342** Web scripting
- **346** Secure software development
- **361** Cybersecurity
- **372** Robotics
- Other electives with advisor’s approval

### Endorsement courses

### Residency teacher certificate courses

updated 8/2021