Computer Science Department Curriculum

**SEQUENCES**

- **CS151**: Comp Thinking: Visual Media
- **CS152**: Comp Thinking: Science
- **CS153**: Comp Thinking: Smart Systems
- **CS154**: Comp Thinking: Natural Language, Processing
- **CS166**: Comp Thinking: Computer Vision

**Prior Programming Experience**


**SEQUENCES**


**KEY**

- Required for CS Major and CS+AI major
- Required for CS+AI Major

**REQUIRED FOR CS MAJOR**

- **CS231**: Data Structures and Algorithms
- **CS232**: Computer Organization
- **CS233**: Data Analysis and Visualization
- **CS234**: Mathematical Data Analysis and Visualization
- **CS310**: Creating Future Worlds: Computing, Ethics, and Society
- **CS333**: Programming Languages
- **CS337**: Operating Systems
- **CS341**: Systems Biology I
- **CS342**: Systems Biology II
- **CS344**: Computational Modeling and Simulation I
- **CS345**: Interactive Systems I
- **CS346**: Algorithmic Game Theory
- **CS446**: Computational Modeling and Simulation II
- **CS447**: Interactive Systems II
- **CS486**: Algorithmic Game Theory II

**REQUIRED FOR CS+AI MAJOR**

- **CS231**: Data Structures and Algorithms
- **CS232**: Computer Organization
- **CS233**: Data Analysis and Visualization
- **CS234**: Mathematical Data Analysis and Visualization
- **CS310**: Creating Future Worlds: Computing, Ethics, and Society
- **CS333**: Programming Languages
- **CS337**: Operating Systems
- **CS341**: Systems Biology I
- **CS342**: Systems Biology II
- **CS344**: Computational Modeling and Simulation I
- **CS345**: Interactive Systems I
- **CS346**: Algorithmic Game Theory
- **CS446**: Computational Modeling and Simulation II
- **CS447**: Interactive Systems II
- **CS486**: Algorithmic Game Theory II

**OTHER CS MAJOR REQUIREMENTS**

- One ≥ 200-level math or stats course
- One ≥ 200-level elective
- One ≥ 300-level elective
- One sequence (CS3XX + CS4XX)

*May substitute CS375/CS376 CS major requirement*