## Computer Science Curriculum Overview (4 Year Sample Path)

### Year 1
- **Fall Term**
  - CIS 122 Intro to Programming
  - MATH 112 Elementary Functions
  - General Education Course
  - General Education Course

- **Winter Term**
  - CIS 210 Computer Science I
  - MATH 231 Discrete Math I
  - WR 121 College Composition I
  - General Education Course

- **Spring Term**
  - CIS 211 Computer Science II
  - MATH 232 Discrete Math II
  - WR 122 College Composition II
  - General Education Course

### Year 2
- **Fall Term**
  - CIS 212 Computer Science III
  - MATH 251 Calculus I
  - General Education Course
  - General Education Course

- **Winter Term**
  - CIS 313 Data Structures
  - MATH 252 Calculus II
  - MATH 252 Calculus II
  - General Education Course

- **Spring Term**
  - CIS 315 Algorithms
  - Additional Math See Reverse Side List
  - General Education Course
  - General Education Course

### Year 3
- **Fall Term**
  - CIS 415 Operating Systems
  - CIS Upper Division Elective
  - General Education or Elective Course

- **Winter Term**
  - CIS 422 Software Methodology
  - CIS Upper Division Elective
  - General Education or Elective Course

- **Spring Term**
  - CIS 425 Principle of Programming
  - CIS Upper Division Elective
  - Elective Course

### Year 4
- **Fall Term**
  - CIS Upper Division Elective
  - Additional Math See Reverse Side List
  - Minor/Elective Course

- **Winter Term**
  - CIS Upper Division Elective
  - Math Upper Division Elective
  - Minor/Elective Course

- **Spring Term**
  - CIS Upper Division Elective
  - WR 320/321 Technical Writing
  - Minor/Elective Course

### General Education or Elective Course
- Additional Math See Reverse Side List
- Minor/Elective Course
- Elective Course

### Three-term Laboratory Science Sequence in Biology, Chemistry, Physics, Geological Sciences, Geography or Psychology (see list on reverse side) or Computer Science related Minor.

### Summer Internship or Research Opportunity
Math Core Requirements
Students must take Discrete Mathematics 231 and 232, and two terms of Calculus (I and II). In addition, students must take two of the following:

- Choose 1: [MATH 253 Calculus III OR MATH 263 Calculus with Theory III]
- MATH 341 Linear Algebra I
- Choose 1: [MATH 343 Statistical Models/Methods OR MATH 425 Statistical Methods I]

Laboratory Science Requirements
Students must complete one three-term sequence chosen from the following:

- General Physics: PHYS 201, 202, 203
- Foundations of Physics: PHYS 251, 252, 253
- General Chemistry: CH 221, 222, 223
- Honors General Chemistry: CH 224H, 225H, 226H
- Geological Sciences: GEOL 201, 202, 203
- Geography: GEOG 141, choose 2: [GEOG 321, GEOG 322, GEOG 323]
- Biology: choose 1: [CH 111, CH 113, CH 114, CH 221, CH 224H], BI 211, then choose 1: [BI 212, BI 213]
- Psychology: PSY 201, PSY 202, choose 1: [PSY 304, PSY 330, PSY 348]