

Notes

- Students are required to complete 56 credit hours for the major.
- Students who major in Computer Science may not double-major with Information Technology.
- If you do not begin this major during your first year at Simmons or take the courses outlined below during your first year, please meet with the academic department to make adjustments in your academic plans. Departmental contact information can be found at the end of this worksheet.

Major Core

Majors complete a core of the following courses.

| Course # | Course Title | Credits | Complete |
|---------------------|---|---------|----------|
| First Year | | | |
| CS 112 | Introduction to Computer Science (fall) | 4 | |
| CS 110 | Foundations of Information Technology (spring) | 4 | |
| CS 113 or CS 232 | GUI and Event-Driven Programming or Data Structures (spring) | 4 | |
| After First Year | | | |
| CS 226 | Computer Organization and Architecture (Fall) | 4 | |
| CS 227 | Computer Networks | 4 | |
| CS 330 | Structure and Organization of Programming Languages | 4 | |
| CS 345 | Operating Systems | 4 | |
| CS 235 | Software Engineering | 4 | |
| MATH 210 | Discrete Mathematics | 4 | |

ONE Mathematics or Statistics course numbered MATH 118 or above.

| Course Selected | Credits | Completed |
|-----------------|---------|-----------|
| | 4 | |

Electives

Choose THREE of the following courses.

| Course Selected | Credits | Completed |
|-----------------|---------|-----------|
| | 4 | |
| | 4 | |
| | 4 | |

CS 214 Data Interoperability
 CS 321 Web-Centric Programming
 CS 327 Cybersecurity
 CS 333 Database Management Systems
 CS 334 Special Topics in Computer Science
 CS 343 Systems Analysis and Design
 LIS Technology courses, as approved by department

Capstone

Complete 4 credit hours to fulfill the Capstone Requirement in computer science (CS 327, CS 330, CS 334, CS 350, CS 370).

| Course Selected | Credits | Completed |
|-----------------|---------|-----------|
| | 4 | |

PLAN Requirements

The Simmons PLAN is the undergraduate core curriculum. Some PLAN courses will be fulfilled with courses required for this major, as indicated below. Additional PLAN requirements may be fulfilled through electives, courses in minors or other course offerings. Work closely with your advisor(s) to choose courses.

| Year | Semester | Course Title | Credits | Completed |
|--------------|--|---|-----------------|-----------|
| One | Fall | BOS 101: The Boston Course | 4 | |
| | | SIM 101: The Simmons Course: Explore | 2 | |
| | Spring | LDR 101: The Leadership Course | 4 | |
| Two | Fall or Spring | The Learning Community: Two discipline courses & one integrative seminar | 8 | |
| | | SIM 201: The Simmons Course: Experience | 1 | |
| Three | Fall or Spring | SIM 301: The Simmons Course: Excel | 1 | |
| Three & Four | Fall or Spring | 3D*– Design Across Diverse Disciplines | 12 | |
| Any | Requirements | | Course Selected | |
| | Language: Two semesters in the same language, taken sequentially and strongly encouraged to complete within their first two years. | | | 4 |
| | | | | 4 |
| | Quantitative Literacy (QL) | | MATH 210/CS 232 | 4 |
| | Key Content Areas** (KCAs) | Aesthetic, Literary and Artistic (ALA) | | 4 |
| | | Global Cultural (GC) | | 4 |
| | | Scientific Inquiry (SCI) | CS 112/CS 227 | 4 |
| | | Social and Historical (SH) | | 4 |

*3D– Design Across Diverse Disciplines– requirement may be met with one course in your major, and two additional courses that may also count as KCAs.

**KCAs – May be covered by Major, Learning Community and/or 3D courses.

Department Contact

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