



Springfield College Sequencing Guide Computer and Information Sciences Major (CISC) ▼ 2026-2027

Requirements are subject to change and may not be offered when listed. Use your online degree audit to verify your progress with your advisor

Core Curriculum Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following Core Curriculum categories:

- 100-level Wellness & Physical (1 cr)
- 200-level Wellness & Physical (1 cr)
- 300-level Wellness & Physical (1 cr)
- Literature (3 cr)
- Quantitative Reasoning (3 cr)
- Scientific Reasoning (4 cr)
- Spiritual and Ethical (3 cr)
- Aesthetic Expression (3 cr)
- Historical and Social (3 cr)
- Themed Explorations (9 cr)
 - 3 different prefixes
 - 1 Global course

This major typically requires 48-51 credits to complete. In addition to the Core Curriculum and major requirements listed, you must complete:

- **29-32 elective credits or more** to total at least 120 credits
- A **minimum cumulative GPA** of 2.000 or higher
- The **residency requirement**—45 credits taken at Springfield College (including 15 of your last 30)

CISC Major Requirements – Typical First-Year Schedule

Fall:

SCSM 101, Springfield College Seminar (Core requirement – 3 cr)
ENGL 113, College Writing I (Core requirement – 3 cr)
Plus other Core and major requirements, or electives to total approximately 15 credits

Spring:

ENGL 114, College Writing II (Core requirement – 3 cr)
Plus other Core and major requirements or electives to total 30 credits for the year

Fall or Spring:

CISC 115, Microcomputer Applications (3 cr)

CISC Major Requirements – Typical Second-Year Schedule

Fall or Spring:

CISC 175, Introduction to Computer Sciences with C++ (3 cr)
CISC 275, Data Structures Using C++ (3 cr)
CISC 315, Database Development and Management (3 cr)
MATH 235, Discrete Mathematics I (3 cr)
Plus Core and major requirements, or electives to total 30 credits for the year

CISC Major Requirements – Typical Third-Year Schedule

Fall or Spring:

CISC 482, Computer Systems Seminar (3 cr)
Plus Core and major requirements, or electives to total 30 credits for the year

CISC Major Requirements – Typical Fourth-Year Schedule

Fall or Spring:

There are no major requirements specifically recommended for your fourth year. You should select any outstanding major requirements, Core, or electives to total a minimum of 120 credits for your career

Additional CISC Major Requirements – Flexible Timing

You must complete **one** of the following:

Select 10 courses (30 credits) from the following:

ARTS 231, 3-D Animation (3 cr)
 ARTS 233, 3-D Video Game Design (3 cr)
 ARTS 320, Advanced Web Design (3 cr)
 BUSM 150, Introduction to Business (3 cr)
 BUSM 215, Principles of Management (3 cr)
 BUSM 221, Principles of Marketing (3 cr)
 BUSM 250, Business Communications (3 cr)
 CISC 120, Introduction to Programming Using Mobile Technology (3 cr – strongly recommended as an elective)
 CISC 125, Data Analysis Using R (3 cr)
 CISC 165, Visual Programming Concepts (3 cr – spring only course)
 CISC 215, Python Programming (3 cr)
 CISC 420, Software Engineering for Game Programming (3 cr)
 ENGL 305, Writing for Professional Communication (3 cr)
 MATH 125, Precalculus Mathematics (3 cr – also fills Quantitative Reasoning Core Curriculum)
 MATH 215, Probability and Statistics (3 cr)
 MATH 310, Linear Algebra (3 cr)
 Any 200 – Level or higher CISC Course

Complete the following courses at Springfield Technical Community College (through CCGS—Cooperating Colleges of Greater Springfield):

CIT 160, Networks 1 (3 cr)
 CIT 161, Networks 2 (3 cr)
 CIT 162, Networks 3: Advanced Networks Topics (3 cr)
 CIT 250, Internet/Network Security 1 (3 cr)
 CIT 251, Internet/Network Security 2 (3 cr)
 CIT 252, Advanced Security Topics (3 cr)

Internet and Network Security Concentration:

Select 9 courses (27 credits) from the following:

CISC 120, Introduction to Programming Using Mobile Technology (3 cr – strongly recommended as an elective)
 CISC 210, Fundamentals of Operating Systems (3 cr)
 CISC 375, Computer Architecture (3 cr)

Complete the following courses at Springfield Technical Community College (through CCGS—Cooperating Colleges of Greater Springfield):

CIT 160, Networks 1 (3 cr)
 CIT 161, Networks 2 (3 cr)
 CIT 162, Networks 3: Advanced Networks Topics (3 cr)
 CIT 250, Internet/Network Security 1 (3 cr)
 CIT 251, Internet/Network Security 2 (3 cr)
 CIT 252, Advanced Security Topics (3 cr)

CISC Major – Program Standards

Program standards for the CISC major include, but are not limited to:

- A minimum cumulative GPA of 2.500
- Achieve a minimum cumulative GPA of 2.500 in program requirements
- Complete all program requirements with a grade of C- or better