

University of Illinois at Springfield
B.S. Computer Science Program Requirements (Effective Fall 2020)

Transfer Student Entrance Requirements

- CSC 225 Computer Programming Concepts I
- CSC 275 Computer Programming Concepts II
- CSC 302 Discrete Structures **OR** MAT 114 Finite Math **OR** MAT 302 Discrete Math
- MAT 121 Applied Statistics
- MAT 113 Business Calculus **OR** MAT 115 Calculus I

Core Requirements (24 hours)

CSC 225, CSC 275, MAT 302 are prerequisites for all core courses. Additional prerequisites are shown in parentheses.

- CSC 305 Entrance Assessment (1st semester) (0 Hours)
- CSC 376 Computer Organization (CSC 275 and CSC 302, CSC 302 may be taken Concurrently)
- CSC 385 Data Structures and Algorithms (CSC 275, CSC 302, Statistics, and Calculus)
- CSC 387 Foundations of Computer Science or CSC 482 Algorithms and Computation (CSC 385)
- CSC 388 Programming Languages (CSC 385)
- CSC 389 Introduction to Operating Systems (CSC 376 and CSC 385, CSC 376 can be taken Concurrently)
- CSC 478 Software Engineering Capstone
- CSC 405 Exit Assessment (final semester) (0 Hours)

CSC Electives (12 hours)

CSC elective courses should be chosen from 350 or higher-level courses and cannot come from core classes in your major. CSC 410 cannot be used for an elective. ECCE courses cannot be used for electives. ISS core classes 350 or higher-level can be used as electives in the CSC program. Consult your CSC advisor for final approval.

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Engaged Citizenship Common Experience (ECCE) 10 hours at the 300-400 Level

All undergraduate students are required to take a minimum of 10 hours in Engaged Citizenship Common Experience. In addition to the required 1-hour Speakers Series, students must complete coursework in at least 2 of the 3 remaining ECCE requirements (U.S. Communities, Global Awareness, and Engagement Experience).

Our department offers CSC 316 Wired Perspectives (4 hrs. Global Awareness) but you have the choice to take ECCE courses from other departments as well. If you want to pursue IPL 300 (Engagement Experience) you can do so by working with the Internships and Prior Learning Office, ipl@uis.edu.

- U.S. Communities (3 -4 hours) _____
- Global Awareness (3 -4 hours) _____
- Engagement Experience (3-6 hours) _____
- Speakers Series (1 hour) _____

- You must follow the degree plan that was in effect when you entered UIS (or later).
- CSC courses must be taken for a letter grade.
- CSC 305 must be taken the first semester of enrollment.
- Statistics and Calculus must be completed before CSC 385
- CSC 405 must be taken the last semester of enrollment.

Other degree requirements:

- 120 semester hours are required to earn a Bachelor's Degree at UIS:
- Of these, 48 semester hours must be upper division credits (numbered above 299)
- At least 30 semester hours must be earned at UIS
- Lower Division General Education Requirements must be met.