Bachelor of Science
Computer Science

Fall 2017 Degree Requirements

Computer Science Core Courses

- CSC 1500 (3 cr.) Fundamental Structures
- CSC 1501 (1 cr.) Laboratory for Fundamental Structures
- CSC 2110 (3 cr.) Computer Science I
- CSC 2111 (1 cr.) Laboratory for Computer Science I
- CSC 2200 (3 cr.) Computer Science II
- CSC 2201 (1 cr.) Laboratory for Computer Science II
- CSC 3010 (3 cr.) Ethics in Computer Science
- CSC 3100 (3 cr.) Architecture and Organization
- CSC 3101 (1 cr.) Laboratory for Architecture
- CSC 3110 (3 cr.) Algorithm Design and Analysis
- CSC 4110 (3 cr.) Software Engineering
- CSC 4111 (1 cr.) Laboratory for Software Engineering
- CSC 4420 (3 cr.) Computer Operating Systems
- CSC 4421 (1 cr.) Laboratory for Operating Systems
- CSC 4500 (3 cr.) Intro to Theoretical Computer Science
- CSC 4710 (3 cr.) Information Systems Design
- CSC 4996 (3 cr.) Senior Project and Computer Ethics
- CSC 4997 (1 cr.) Laboratory for Senior Project
- Four additional CSC electives of at least 3 credits each, all numbered at or above 3000; excluding CSC 4990 & 4995

Mathematics Courses

- MAT 2010 (4 cr.) Calculus I
- MAT 2020 (4 cr.) Calculus II
- MAT 2250 (3 cr.) Elementary Linear Algebra
- BE 2100 (3 cr.) Probability and Statistics in Engineering

Additional Program Requirements

- (BC) ENG 1020 (4 cr.) Introduction to College Writing
- (IC) ENG 3050 (3 cr.) Technical Communication I
- (OC) ENG 3060 (3 cr.) Technical Communication II
- (PL) PHI 1120 or ENG 2720 (3 cr.) Professional Ethics or Basic Concepts in Linguistics
- (SS) ECO 2010 or ECO 2020 (4 cr.) Principles of Microeconomics or Principles of Macroeconomics
  - Or (SS) HON 1000 (3 cr.)

University Group Requirements

- (CT) Critical and Analytical Thinking (optional exam)
- (AI) American Society and Institutions
- (HS) Historical Studies
- (LS) Life Sciences*
- (PS) Physical Sciences*
- (VP) Visual and Performing Arts
- (FC) Foreign Culture (foreign language not required)

*Must meet General Laboratory Requirement with either (LS) or (PS)

College of Engineering and Department of Computer Science Policies

- A minimum grade of Cs required in CSC 1100 & 1101, 1500 & 1501, CSC 2110 & 2111, and CSC 2200 & 2201 (no exceptions).
- A minimum of 28 credits in CSC courses must be earned at WSU.
  - Maximum of 64 transfer credits from a two-year institution will apply toward the degree.
  - Minimum of 56 credits must be earned at WSU. Residency requirement: last 30 credits must be earned at WSU.
- All other courses including CSC, MAT, BE, and courses within the General Education program must adhere to the requirements of the Engineering Division. Maximum of 2 semesters on probation (under 2.0 GPA), maximum of 3 repeats of any course, maximum of 5 substandard grades, minimum cumulative and major GPA of 2.0 to graduate.

AGRADE – Accelerated Graduate Enrollment Program

- Earn up to 16 credits toward a Computer Science master’s degree while completing your bachelor’s degree.
- An AGRADe applicant may petition the Graduate Committee of the Department of Computer Science for acceptance into the program no earlier than the first semester in which 90 credits will be completed. Applicants must have an overall grade point average (GPA) of 3.4 and a 3.6 GPA or better in the major courses already completed. Suggested that students complete at least CSC 2200 & 2201 before applying.
- Approved CSC 5000 and 6000 level courses by the CS Grad Advisor and Graduate Program Officer will count as part of the four required CSC electives for the bachelor’s degree and also toward graduate credit for the master’s degree.

Department of Computer Science | 5057 Woodward Ave. Suite 3010, Detroit, MI 48202 | 313-577-2477 | engineering.wayne.edu/cs/
Bachelor of Science in Computer Science
Prerequisites Effective Fall 2017

Course | Credits | CSC Course Prerequisites and Corequisites
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CSC 1500 | 3 | CSC 1100 and CSC 1101, MAT 1800; coreq: CSC 1501
CSC 1501 | 1 | CSC 1100 and CSC 1101, MAT 1800; coreq: CSC 1500
CSC 2110 | 3 | CSC 1100 and CSC 1101, MAT 1800; coreq: CSC 2111
CSC 2111 | 1 | CSC 1100 and CSC 1101, MAT 1800; coreq: CSC 2110
CSC 2200 | 3 | CSC 1500, CSC 1501, CSC 2110, CSC 2111, MAT 2010; coreq: CSC 2201
CSC 2201 | 1 | CSC 1500, CSC 1501, CSC 2110, CSC 2111, MAT 2010; coreq: CSC 2200
CSC 3010 | 3 | CSC 2110 and CSC 2111
CSC 3100 | 3 | CSC 2200, 2201, MAT 2010; coreq: CSC 3101
CSC 3101 | 1 | CSC 2200, 2201, MAT 2010; coreq: CSC 3100
CSC 3110 | 3 | CSC 2200, 2201, MAT 2020, BE 2100
CSC 4110 | 3 | CSC 2200, 2201, MAT 2010; coreq: CSC 4111
CSC 4111 | 1 | CSC 2200, 2201, MAT 2010; coreq: CSC 4110
CSC 4420 | 3 | CSC 2200, CSC 2201, CSC 3101, CSC 3101; coreq: CSC 4421
CSC 4421 | 1 | CSC 2200, CSC 2201, CSC 3100, CSC 3101; coreq: CSC 4420
CSC 4500 | 3 | CSC 2200, CSC 2201, MAT 2010
CSC 4710 | 3 | CSC 2200, CSC 2201, MAT 2010
CSC 4996 | 3 | CSC 4110, CSC 4111, and CSC 4710; senior standing; coreq: CSC 4997
CSC 4997 | 1 | CSC 4110, CSC 4111, and CSC 4710; senior standing; coreq: CSC 4996

Four CSC electives, min. 3 CR each, 3000 level or above (typically require CSC 2200/1); Not including CSC 4990/4995
Minimum Grade of C required in CSC 1100 & 1101, CSC 1500 & 1501, CSC 2110 & 2111, CSC 2200 & 2201

**Please see the Undergraduate Bulletin ([bulletins.wayne.edu](http://bulletins.wayne.edu)) and Class Schedule ([classschedule.wayne.edu](http://classschedule.wayne.edu)) for updates**

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