

Requirements for the Bachelor of Arts and Bachelor of Science degrees:

To earn a Bachelor of Arts (B.A.) degree or a Bachelor of Science (B.S.) degree in the College of Arts and Sciences at Metropolitan State University, students must complete a total of 120 semester credits. Of these 120 credits, 40 must be in courses numbered 300 or higher and 30 must be in courses completed at Metropolitan State. Students must also complete Metropolitan State’s General Education and Liberal Studies requirements, as well as the requirements for their major.

General Education:

- 40 semester credits of general education meeting Minnesota Transfer Curriculum goal areas are required. See the [Metropolitan State University General Education](#) Transfer Information sheet.
- Century College's [Associate of Arts \(AA\) degree or completed Minnesota Transfer Curriculum \(MnTC\)](#) fulfills Metropolitan State University's 40-semester credit general education requirement. (Students will still need to complete eight credits of upper-division liberal arts courses.)

Admission to the Major:

Students interested in pursuing a major in either computer information systems or computer science must apply to the program. To be eligible for admission to either major, students must be admitted to the university and meet minimum application requirements. The following prerequisite courses or equivalents must be completed with a C- or better, or competency in previous work experience must be demonstrated: Math 120, Math 210, Math 215, ICS 140, ICS 141, ICS 240 (or transfer equivalents), and two writing courses, as defined to meet general education requirements (ENGL 1021 and ENGL 1022 at Century College). Metropolitan State University’s ICS 141, ICS 240 and Math 215 (or transfer equivalents) must be completed with a minimum cumulative GPA of 2.5 on a 4.0 scale.

Students may use the following Century College courses to complete the prerequisite to the major and a maximum of 21 semester credits toward requirements for this 60-credit major, as well as the requirement of C/C++ proficiency.

Century College Course	Metropolitan State University Equivalent
Prerequisites:	
Math 1061 Pre-Calculus	Math 120 Pre-Calculus
Programming Foundation (12 credits):	
CSCI 2020 Object Oriented Programming Using Java	ICS 140 Progressive Fundamentals
CSCI 2040 Data Structures and Algorithms	ICS 240 Programming with Elementary Data Structures
CSCI 2011 C++ Programming I or CSCI 2012 C++ Programming II	C/C++ proficiency
Mathematics Foundation (12 credits):	
CSCI 2014 Discrete Structures of Computer Science	Math 215 Discrete Math
Math 1081 Single Variable Calculus I	Math 210 Calculus
One of the following can be used to meet the requirement for an additional math class: Math 1082 Single Variable Calculus II Math 2081 Multivariable Calculus Math 2082 Linear Algebra and Differential Equations	Math elective
Major Electives (12 credits):	
One of the following (if not applied elsewhere): Math 2081 Multivariable Calculus Math 2082 Linear Algebra and Differential Equations CSCI 2005 Internet Programming: Client-side Scripting and Applications CSCI 2006 Internet Programming: Server-side Applications CSCI 2016 Machine Architecture and Organization CSCI 2030 Systems Analysis and Design CSCI 2070 Data Communication and Distributed Processing	Up to 4 lower-division transfer credits may be used to fulfill Group 2 major electives.