

COMPUTER SCIENCE AND CYBERSECURITY DEPARTMENT

COMPUTER INFORMATION TECHNOLOGY BACHELOR OF SCIENCE MAJOR CHECKLIST 2018-2019

This checklist aids in placement of students into their major coursework and documents the department evaluation of transferred credit and course waivers, based on coursework listed on the Degree Audit Report (DARs). A student must complete General Education and Liberal Studies (GELS) along with other graduation requirements for graduation – refer to your DARs.

Official admission to this major program and review of prior course credentials is done directly through the Computer Science and Cybersecurity (CSC) Department. Contact information is noted at the bottom of this checklist.

Student Name	Metro State ID #	Date

PRE-MAJOR FOUNDATION COURSES

In order to declare a Computer Information Technology major, students are required to complete the following foundation courses listed with a grade of C- or better:

- *Minimum cumulative GPA of 2.5 for ICS 141 and MATH 215 or transfer equivalents*
- *All programming courses must be within the last 5 years; and*
- *Successful completion of General Education Goal I Writing requirement*
- *Demonstrate competency in the Java programming language either by coursework (e.g., ICS 141) or passing a Java competency exam.*

Students who do not meet the pre-major foundation requirements noted in this section or are on academic probation will not be accepted to the major. Students not accepted to the major will not be allowed to take advanced courses in the discipline.

Course #	Title	Transfer Equivalent Details	Grade	Credits	✓
MATH 115 or MATH 120	College Algebra OR Precalculus				
MATH 215	Discrete Math				
ICS 140	Computational Thinking with Programming				
ICS 141	Programming with Objects				
ICS 225	Web Design and Implementation				

JAVA COMPETENCY REQUIREMENT

Check box if demonstrated competency in Java either through course work or passing exam.

WRITING COURSE REQUIREMENT

Check box if General Education Goal I Writing requirement has been successfully completed. Reference DARs to determine which courses fulfill this requirement.

Pending completion of _____.

GPA Calculation: A = 4.00, A- = 3.67, B+ = 3.33, B = 3.00, B- = 2.67, C+ = 2.33, C = 2.00, C- = 1.67, D = 1.00, F = 0

CORE REQUIREMENTS: 32 CREDITS

Once admitted into major the following courses are required.

Course #	Title	Transfer Equivalent Details	Upper Division	Grade	Credits	✓
CFS 262	Computer and Operating Systems I					
CFS 264	Computer and Operating Systems II					
STAT 201	Statistics I					
ICS 311	Database Management Systems					
ICS 382	Computer Security					
ICS 370	Software Design Models					
ICS 325 or ICS 425	Internet Application Development, OR, Client Server Architectures					
ICS 499	Software Engineering and Capstone Project					

ELECTIVE COURSE REQUIREMENT: 8 CREDITS

A student must take a minimum of 8 credits of major electives from the following or equivalent: CFS 280, CFS 380, CFS 485, ICS 232, ICS 240 or any of the upper-division courses except ICS 381 and ICS 390. Consult with academic advisor on acceptable electives.

Course #	Title	Transfer Equivalent Details	Upper Division	Grade	Credits	✓

Course #	Title	Transfer Equivalent Details	Upper Division	Grade	Credits	✓

ADDITIONAL NOTES, CREDIT TOTALS OR COMMENTS:

Academic advisor notes:

GRADUATION REQUIREMENTS

Below is a summary of residency and graduation requirements for this major and used as an advising tool as you work towards completion. Students are advised to reference their DARs for official graduation requirements.

Major Requirements Checklist	In Progress	Completed
60 Major credits		
20 Metro State Major Credits		
24 Upper Division Major (300 or higher)		

University Requirements Checklist	In Progress	Completed
120 Total Credits (minimum), and GPA of 2.0 or better		
30 Metro State Credits		
40 Upper Division (300 or higher)		
48 credits GELS +RIGR	See DARs for details	

CONTACT US

For specific questions about this major program or equivalencies of prior coursework at other institutions, contact the Computer Science and Cybersecurity Department at:

Email: CSC@metrostate.edu Tel: 651.793.1471 Web: www.metrostate.edu/csc-department



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