

Program Checklist

Computer Science (CS) Major (B.S.)

Evaluation of Transcribed Credit and Course Waivers 2011-2012 Catalog

This form documents Information and Computer Sciences (ICS) Department evaluation of transcribed credit and official course waivers. It also aids placement of students into their Computer Science (CS) major coursework.

To request changes to this evaluation, discuss your questions with your academic advisor, then submit a written petition for specific changes to the ICS Department Chair. Attach additional documentation, including course descriptions taken from college catalogs and/or course syllabi for the courses you wish to have reevaluated. Students wishing to gain college credit via evaluation of prior knowledge from non-credit bearing sources or other related experience must do so through a separate process in consultation with their advisor.

Prerequisites to the Computer Science Major

Each of the following courses (except Math 210) must be completed with a C- or better before you can declare the CS major; in addition, your cumulative GPA for Math 215, ICS 141 and ICS 240 must be 2.5 or higher. You must also satisfy the Goal I General Education writing competency by completing two courses in writing.¹

You must successfully complete all prerequisite courses and meet the GPA requirement before you can be admitted to the program.

Major Prerequisites	Transfer Course Equivalent (course number, name, school)	LD/ UD	Credits	Grade	Credits Left
MATH 120 Precalculus ²		LD			4
MATH 210 Calculus I		LD			4
MATH 215 Discrete Math		LD			4
ICS 140 Programming Fundamentals		LD			4
ICS 141 Programming with Objects		LD			4
ICS 240 Programming with Elementary Data		LD			4
Prerequisite Credits Left					24

Writing courses yet to be completed: None First Writing Course, Second Writing Course

Courses In Progress (Needs C- or better to count, except for writing classes)

No applicable courses at this time

¹ Writing 271 counts as a second writing course and also a Group 3 elective.

² Or Math 115, College Algebra and Math 116, Trigonometry

CS Major Requirements

Competency Requirement Check box if C or C++ programming competency has been met.

List specific course used to meet requirement, or indicate waiver exam: _____

Required CS Core Courses The following courses must be completed with a C- or better.

Course	Transfer Course Equivalent (course number, name, school)	LD/ UD	Credits	Grade	Credits Left
Additional Math (MATH 211 Calculus II or higher)					4
ICS 340 Data Structures					4
ICS 362 Computer Organization &					4
ICS 370 Software Design Models					4
ICS 440 Seq. & Par. Alg or ICS 441 Comp. Theory					4
ICS 462 Operating Systems					4
ICS 499 ICS Capstone Project					4
Required Core Credits Left					28

Major Electives: 12 credits required, including at least one Group 1 elective, at most one Group 3 elective, and at most 4 lower division elective credits. All courses must be completed with a C- or better.

Elective Group	Transfer Course (course number, name, school)	LD/ UD	Credits	Grade	Credits Left
Group 1	<i>Note: Select from ICS 365, ICS 425, ICS 470, ICS 460</i>				
Group 2	<i>Note: From: Other Group 1 electives, Math UD,, ICS 311, ICS 325, ICS 382, MATH 251, DSCI 420</i>				
Major Elective Credits Left					12

Total prerequisite and major credits remaining: 64

Notes:

1. Credit for ICS 362, ICS 370, ICS 440/ICS 441, ICS 462 and ICS 499 plus elective credits must total at least 32.
2. A minimum of 16 major credits must be completed at Metro State.

Transcripts Examined:

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