

COMPUTER SCIENCE – Computer Science or Software Development Option

The following is a guide to graduation with a bachelor's degree in **COMPUTER SCIENCE**. Complete **OTC's Associate of Science in Computer Science degree** prior to transferring to Missouri State. Include the following OTC courses, as they will transfer and fulfill part of your MSU major requirements.

cr hrs	OTC AS in Computer Science Requirements	cr hrs	MSU equivalent course
3	CIS 120 Problem Solving and Programming Concepts	3	CSC 130 The World of Computer Science
3	Either two-course sequence: CIS 150 + CIS 151, C++ Programming I & II OR	4	CSC 131 Computational Thinking (either OTC two-course sequence: CIS 150+151 or CIS 170+171)
3	CIS 170 + CIS 171, Java Programming I & II		
3	CIS 250 Database and Query	3	CSC 335 Database Systems Concepts
4	CSC 140 C++ Programming	n/a	CSC 125 Intro to C++ Prog. (not required for MSU BS CS)
4	CSC 210 Data Structures	4	CSC 232 Data Structures
6	CIS 130 and CIS 131 – Web Development I and II	3	CSC 365 Internet Programming
3	CIS 260 Software Engineering Project	3	CSC 450 Software Engineering
3	CIS 200 Critical & Creative Thinking using Info Technology	3	CIS 200 Critical & Creative Thinking using Info Technology
5	MTH 140 Analytic Geometry and Calculus I	5	MTH 261 Analytic Geometry and Calculus I
5	MTH 141 Analytic Geometry and Calculus II	5	MTH 280 Calculus II (required for CS Option only)
5	PHY 220 Physics Engineers and Scientists	5	PHY 203 Found. of Physics I (required for CS Option only)
	There are many OTC courses that transfer to MSU as courses required for MSU's General Education program. Discuss specific OTC courses, to meet MSU's General Education requirements, with the OTC-MSU Transfer Specialist in OTC's Student Services prior to OTC course enrollment.		

If continuing at MSU with the Software Development Option:

MSU courses to complete BS in COMPUTER SCIENCE with SOFTWARE DEVELOPMENT option						
2	CSC 338 Parallel and Distributed Computing	+	3-4	General Education Science Electives	+	Complete any minor Typically 18-24 cr. hrs
3	CSC 344 Computer Systems Fundamentals		21	Other General Education, including ECO 165, ENG 321, PSY 121		
3	CSC 455 Software Qual. Assurance & Project Mgt.					
1	CSC 482 Seminar in Computer Science					
9	CS Electives					
3	One course from the following: MKT 350 (3); MGT 430(3); COM 315(3); PSY 305(3); PSY 481(3)					

If continuing at MSU with the Computer Science Option:

MSU courses to complete BS in COMPUTER SCIENCE with COMPUTER SCIENCE option					
3	CSC 325 Algorithms	+	9	Additional science or math (meet GenEd)	(Math Minor has been completed)
2	CSC 333 Languages and Machines		21	Other General Education	
2	CSC 338 Parallel and Distributed Computing				
3	CSC 344 Computer System Fundamentals				
1	CSC 482 Seminar in Computer Science				
9	CS Electives				
3	MTH 215 Discrete Mathematics				
3	MTH 345 Statistics for Scientists and Engineers				

Important notes about this MSU major

- Unlike the AA degree, the AS degree does not automatically fulfill MSU's General Education requirements. In addition to the above OTC courses required for the AS in Computer Science degree, students may take a few additional OTC courses to help meet part of MSU's General Education requirements. To ensure that the OTC courses selected help fulfill MSU's General Education requirements, please meet with the OTC-MSU Transfer Specialist Donna Rebmann, in OTC's Student Services, prior to OTC course enrollment. This MSU degree requires 45-49 hours of General Education. For this MSU major, it is advised that not all General Education be completed prior to transferring.
- OTC students are strongly encouraged to meet with the MSU transfer advisor early in their OTC education to discuss the most appropriate OTC coursework for your intended MSU major, MSU degree requirements, etc.
- This information is provided as a guide. Students are required to fulfill MSU graduation requirements to receive a degree and should consult their MSU advisor and the MSU undergraduate catalog for details, including the policy under which a transfer student who remains continuously enrolled may follow MSU graduation requirements in effect when the student first enrolled at their transfer institution (OTC).

Important resources for COMPUTER SCIENCE majors

MSU departmental office

Department of Computer Science
Cheek Hall 203
417-836-4157
www.cs.missouristate.edu
Email: ComputerScience@missouristate.edu

MSU transfer advisor

Dr. Ken Vollmar
Department Head
417-836-4157
KenVollmar@missouristate.edu

Resources for prospective transfer students

Specific information for OTC students
MSU catalog
General transfer information
Transfer equivalency guide

www.missouristate.edu/otc
www.missouristate.edu/catalog
www.missouristate.edu/admissions/transfer
www.missouristate.edu/admissions/collcredit.htm

For assistance with admission and general questions

Donna Rebmann
OTC-Missouri State University Transfer Specialist
417-447-6926
DonnaRebmann@MissouriState.edu

Additional contact information available at: www.missouristate.edu/admissions/otcinformationdesk.htm

Lori Day
MSU Admissions
417-836-5517
LoriDay@MissouriState.edu

This document was prepared by the MSU Department of Computer Science in conjunction with MSU Office of Admissions. This information was last updated on October 19, 2016 and is subject to change.