



COMPUTER SCIENCE

The following is a guide to graduation with a bachelor's degree in Computer Science by completing two years at StLCC and two years at MSU.

Year 1 and Year 2 at StLCC

Note: Only by taking several science courses in the first two years is it possible to complete a Computer Science degree within four years. At the same time, the decision to take those science courses during the first two years makes it impossible to complete either an Associate's degree from StLCC or the General Education Transfer Block in the two years. The courses shown below during the first two years at StLCC will make it possible to complete a Computer Science degree within four years, but the StLCC courses will neither complete an Associate of Arts degree, an Associate of Applied Science Degree, or the General Education Transfer Block. The schedule of the technical courses is important to a four-year plan, but the selection and schedule of the general education courses are flexible and are shown below as examples only.

	StLCC course	MSU equivalent
3 hrs.	ENG 101 or 104 College Composition 1	ENG 110 Writing I (<i>GenEd Foundations</i>)
3 hrs.	COM107 Public Speaking	COM 115 Fund. Public Speaking (<i>GenEd Foundations</i>)
5 hrs.	MTH 160 and 170 OR MTH 185 Pre-Calculus Math	MTH 138 Pre-Calculus
3 hrs.	IS 107 Introduction to Programming	CSC 130 The World of Computer Science
3 hrs.	Any one of IS 153, IS 187, IS 227, or IS 251	CSC 131 Computational Thinking
3 hrs.	IS 256 C++ Programming	CSC 232 Data Structures
4 courses, 12 hrs.	(<i>many options</i>)	<i>Four courses that meet GenEd Human Culture</i>
3 hrs.	Any one of HST 100, 101, 102, 103, 104, or 105	HST 121 Survey of US History to 1877 or HST 122 Survey of US History since 1877 (<i>GenEd Public Affairs</i>)
5 hrs.	MTH 210 Analy. Geom/Calculus I	MTH 261 Calculus I
3 hrs.	PSC 101 or PSC 102	PLS 101 Am Dem. & Citizenship (<i>GenEd Public Affairs</i>)
3 hrs.	(<i>many options</i>)	<i>A course that meets GenEd Public Affairs</i>
5 hrs.	MTH 220 Analy. Geom/Calculus II	MTH 280 Calculus II
5 hrs.	(<i>many options</i>)	<i>A course that meets GenEd Life Sciences</i>
3 hrs.	ENG219 Advanced Report Writing	ENG 221 Writing II for the Professions (<i>GenEd Foundations</i>)
TOTAL 59 hrs		

To select specific courses where there are options, use the "New General Education Worksheet," http://www.missouristate.edu/assets/gened/GenEdWorksheet_New_2014.pdf and "How Credit Transfers," <http://www.missouristate.edu/admissions/howcredittransfers.htm>

Year 3 and Year 4 at MSU

First fall semester		Hours	First spring semester		Hours
CSC 365 Internet Programming		3	MTH 345 Stat. for Sci. and Engineers		3
MTH 215 Discrete Math		3	General or Science Elective		3-4
CSC 320 Computer Architecture		4	CSC 325 Algor. & Adv. Data Structures		3
General or Science Elective		3-4	CSC 335 Database Sys. Concepts		3
			Computer Science Elective		3
Total hours		13-14	Total hours		15-16

Second fall semester		Hours	Second spring semester		Hours
PHY 203 Found. of Physics I		5	CSC 450 Software Engineering		3
CSC 333 Languages and Machines		4	CSC 482 Seminar in Computer Science		1
Two General, Science, or CS Electives		6-7	CSC 460 Operating Systems		3
			Three General or CS Electives		9
Total hours		15-16	Total hours		16

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

Online resources for prospective transfer students

MSU catalog

www.missouristate.edu/catalog

General transfer information

www.missouristate.edu/admissions/transfer

Transfer equivalency guide

www.missouristate.edu/admissions/collcredit.htm

For assistance with admission and general questions

Dixie Williams

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This document was prepared by the MSU Department of Computer Science in conjunction with MSU Office of Admissions. This information was last updated on Oct. 3, 2014 and is subject to change.