



## COMPUTER SCIENCE

The following is a guide to graduation with a bachelor’s degree in **COMPUTER SCIENCE** by completing two years at Johnson County Community College followed by study at MSU. *A goal of completion at MSU within four additional semesters will require a heavy, technically-intensive course load.*

### Year 1 and Year 2 at Johnson County Community College

**Note:** *The goal of completion of a Computer Science degree within four years is best approached by taking several science courses in the first two years. At the same time, the decision to take those science courses during the first two years may not complete either an Associate’s degree or the General Education Transfer Block in the two years. Your General Education courses can be completed at MSU. Consult your advisor to select courses.*

SCCC course	MSU equivalent
COM 125 or ENGL 121 <i>(not ENGL 123 or 222)</i>	ENG 110 Writing I <i>(GenEd Foundations)</i> <i>Recommended: ENG 310 or 321 at MSU)</i>
COM 125 or SPD 121	COM 115 Public Speaking <i>(GenEd Foundations)</i>
MATH 173	MTH 138 Pre-Calculus
MATH 241	MTH 261 Calculus I
MATH 242	MTH 280 Calculus II
BIOL 135 <i>(several options)</i>	BIO 121 General Biology I <i>General Education, Human Cultures, 12 cr. hours</i>
HIST 140 or 141	HST 121 or 122 <i>(GenEd Public Affairs)</i>
POLS 124 <i>(several options)</i>	PLS 101 Am Dem. & Citizenship <i>(GenEd Public Affairs)</i> <i>(Need MSU PLS 103)</i> <i>GenEd Public Affairs, 3 cr. hours</i>
CS 134	CSC 130 The World of Computer Science
CS 200 or 201 or 205	CSC 131 Computational Thinking
CS 250 or 255	CSC 232 Data Structures
CS 210 and 211	MTH 215 Discrete Mathematics

*To select specific courses where there are options, use the “New General Education Worksheet,”* [http://www.missouristate.edu/assets/gened/GenEdWorksheet\\_New\\_2014.pdf](http://www.missouristate.edu/assets/gened/GenEdWorksheet_New_2014.pdf) and “How Credit Transfers,” <http://www.missouristate.edu/admissions/howcredittransfers.htm>

*Continued on next page*

Years 3 and 4 at MSU			
First fall semester	Hours	First spring semester	Hours
CSC 232 Data Structures	4	PHY 203 Found. of Physics I	5
Science or General Education Elective	3	Science or Computer Science Electives	3
MTH 215 Discrete Math	3	CSC 325 Algor. & Adv. Data Structures	3
CSC 320 Computer Architecture	3	CSC 335 Database Sys. Concepts	3
<b>Total hours</b>	<b>13</b>	<b>Total hours</b>	<b>14</b>

Years 3 and 4 at MSU			
Second fall semester	Hours	Second spring semester	Hours
Science or Computer Science Elective	3	MTH 345 Stat. for Sci. and Engineers	3
CSC 365 Internet Programming	4	CSC 450 Software Engineering	3
CSC 333 Languages and Machines	4	CSC 482 Seminar in Computer Science	1
CSC 460 Operating Systems	3	Science or Computer Science Electives	6
<b>Total hours</b>	<b>14</b>	<b>Total hours</b>	<b>13</b>

### Important resources for COMPUTER SCIENCE majors

#### MSU departmental office for COMPUTER SCIENCE major

Department of Computer Science  
Cheek Hall 203  
417-836-4157

Email: [ComputerScience@missouristate.edu](mailto:ComputerScience@missouristate.edu)

[www.cs.missouristate.edu](http://www.cs.missouristate.edu)

*Specific websites:*

<http://computerscience.missouristate.edu/undergraduate/129468.htm>

[http://www.missouristate.edu/registrar/catalog/dept\\_cs.html](http://www.missouristate.edu/registrar/catalog/dept_cs.html)

#### MSU transfer advisor

Dr. Ken Vollmar  
Department Head  
417-836-4157

[KenVollmar@missouristate.edu](mailto:KenVollmar@missouristate.edu)

### Online resources for prospective transfer students

MSU catalog

[www.missouristate.edu/catalog](http://www.missouristate.edu/catalog)

General transfer information

[www.missouristate.edu/admissions/transfer](http://www.missouristate.edu/admissions/transfer)

Transfer equivalency guide

[www.missouristate.edu/admissions/collcredit.htm](http://www.missouristate.edu/admissions/collcredit.htm)

### For assistance with admission and general questions

Dixie Williams

Assistant Director of Admissions-Transfer Coordinator

417-836-5517

[DixieWilliams@MissouriState.edu](mailto:DixieWilliams@MissouriState.edu)

This document was prepared by the MSU Admissions Office, in conjunction with MSU's Department of Computer Science.

This information was last updated on Oct. 17, 2014 and is subject to change.