

UNIVERSITY OF CENTRAL MISSOURI

Metropolitan Community College Associate of Arts

to

UCM Bachelor of Science in Computer Science: Option 2

YEARS 1 AND 2 AT Metropolitan Community College		YEARS 3 AND 4 AT UCM	
Complete the Associate in Arts (A.A.) degree and include the following courses in the A.A. course of study: UCM Equivalencies in parenthesis		Core Requirements *24	
	Minimum Hours	CS 2300 Data Structures	3
		CS 3100 Programming Languages	3
		CS 3200 Computer Architecture	3
		CS 3500 C & UNIX Environment	3
		CS 4300 Algorithm Design & Analysis	3
		CS 4500 Operating Systems	3
		CS 4910 Software Engineering	3
		CS 4920 Senior Project	3
Communications	9	Option 2: Computer Science	*22-24
COMM 100 Fundamentals of Speech (COMM 1000)**	3	Minimum 8 credit hours math and 8 credit hours science must be selected in Option 2. Total math and science combined must be at least 22 credit hours.	
ENGL 101 Composition and Reading I	3	Electives from the following	3-9
ENGL 102 Composition and Reading II	3	ACST 3311 Intro. to Mathematical Statistics	3
Mathematics	3	MATH 2153 Calculus & Analytic Geometry III	3
MATH 150 PreCalculus (MATH 1150) or higher	*5	<i>Can be taken at MCKCK as MATH 210</i>	
American Institutions	3	MATH 2221 Foundations of Geometry	3
Choose 3 hours in above area from the MCKCK AA Catalog		MATH 3151 Differential Equations	3
Sciences	7	<i>Can be taken at MCKCK as MATH 230</i>	
Choose one from the following courses:		MATH 3710 Linear Algebra	3
BIOL 101 (UCM-BIOL 1110) PHYS 106 (UCM-EASC 3112)		MATH 4450 Introduction to Graph Theory	3
GEOG 110 (UCM-EASC 3114)		Electives from the following	0-3
Choose one from the following courses:		Requirement can be filled by taking BIOL 101, PHYS 106, or GEOG 110 at MCKCK as part of an AA or by choosing one of the following:	
BIOL 104 (UCM-BIOL 1111) BIOL 106 (UCM-BIOL 1112)		BIOL 1110 Principles of Biology-3	BIOL 2010 Human Biology-3
CHEM 111 (UCM-CHEM 1131) CHEM 112 (UCM-CHEM 1132)		BIOL 2510 Basic Genetics-3	BIOL 4102 Evolution-3
GEOG 104 (UCM-EASC 1004) GEOL 102 (UCM-EASC 2200)		EASC 3010 Environ. Geology-3	EASC 3112 Astronomy-3
PHYS 130 (UCM-PHYS 1101) PHYS 131 (UCM-PHYS 1102)		EASC 3114 Meteorology-3	
PHYS 220 (UCM-PHYS 2121) PHYS 221 (UCM-PHYS 2122)		Electives from the following	8-14
Western Civilization	3	Requirement can be filled by taking BIOL 104, BIOL 106, CHEM 111, CHEM 112, GEOG 104, GEOL 102, PHYS 130, PHYS 131, PHYS 220 or PHYS 221 at MCKCK as part of an AA or by choosing from the following:	
Choose 3 hours in above area from the MCKCK AA Catalog		BIOL 1111-4hrs	BIOL 1112-4hrs
Social Sciences	3	CHEM 1132-5hrs	EASC 1004-4hrs
Choose 3 hours in above area from the MCKCK AA Catalog		EASC 2100-4hrs	EASC 2200-4hrs
Humanities	3	PHYS 1101-4hrs	PHYS 2121-5hrs
Choose 3 hours in above area from the MCKCK AA Catalog		PHYS 1102-4hrs	PHYS 2122-5hrs
Humanities Appreciation	3	Electives from the following	6
Choose 3 hours in above area from the MCKCK AA Catalog		CS 3110-3hrs	CS 3120-3hrs
Common Core Electives	3-8	CS 3300-3hrs	CS 3800-3hrs
MATH 180 Analytic Geometry and Calculus I (MATH 1151)**	5	CS 4110-3hrs	CS 4120-3hrs
Choose 0-3 hours in above area from the MCKCK AA Catalog		CS 4510-3hrs	CS 4610-3hrs
General Degree Requirements	7	CS 4630-3hrs	CS 4700-3hrs
CSIS 123 Programming Fundamentals (CS 1100)**	3	CS 4800-3hrs	CS 4810-3hrs
COLL 100 First Year Seminar	1	CS 4830-3hrs	CS 4820-3hrs
Global Diversity Requirement: Choose from the MCKCK AA Catalog	3	Free Electives	*7-13
Electives	*11	General Education Requirements	*3
**Course fulfills a major requirement at UCM and if not taken as part of AA must be taken at UCM		CS 1000 Computers and Modern Society	3
ENGL 215 Technical Writing (CTE 3060)**	3		
CSIS 222 Object-Oriented Programming with Java (CS 1110)**	3		
CSIS 250 Assembly Language Programming (CS 2200)**	3		
MATH 141 Discrete Structures for CS I (CS 2400)**	3		
MATH 190 Analytic Geometry and Calculus II (MATH 1152)**	*5		
CSIS 115 Computer Concepts and Applications	3		
CSIS 143 Database Design and Management (CS 4600)**	3		

* Exact hours may vary depending on transfer coursework

This guide is based on the UCM 2016 Undergraduate Catalog and is subject to change.

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VALIDITY OF THIS TRANSFER GUIDE

This guide is based on the UCM 2016 Undergraduate Catalog and is subject to change. This guide is a recommendation only and your actual program may vary. Time to degree completion and course sequencing will depend on any credits transferred to UCM and on planned placement in math, reading, and writing. See the current UCM Undergraduate Catalog and MCCKC Course Catalog for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

GENERAL EDUCATION REQUIREMENTS

Students who hold an Associate in Arts Degree from MCCKC or have met the Missouri 42-hour General Education Core requirements are considered to have fulfilled all UCM General Education requirements, except specific general education classes required by this major. Lists of General Education Requirements can be found in the UCM Catalog.

For those students with an associate degree other than the Associate of Arts or who have not completed the A.A. degree, transfer courses are evaluated on a course-by-course basis.

REQUIREMENTS FOR THIS MAJOR

- Minimum of 120 hours
- Minimum of 30 hours of upper-level credit (3000/4000 level). Courses taken at a two-year college MAY be articulated for an upper-level course but WILL NOT count towards upper-level hour requirements.
- Minimum of 12 hours of upper-level credit (3000/4000 level) in major
- No minor is required for this degree.
- No modern language is required for this degree.

RESIDENCY REQUIREMENTS FOR A DEGREE AT UCM

A candidate for any bachelor's degree must have earned the following minimum hours at UCM:

- 30 hours overall
- 20 upper-level hours (3000/4000 level courses)
- 15 hours in the major
- 9 upper-level hours in the major
- 9 hours in minor (if applicable)
- 1 upper-level hour in minor (if applicable)
- The last 12 semester hours required for the degree

GPA REQUIRED FOR GRADUATION

Students must achieve a minimum GPA of 2.00 in all GPAs to qualify for graduation. This includes cumulative GPA, UCM GPA, major GPA, and minor GPA (if applicable). Some degrees have additional GPA requirements.

DUAL ADMISSION

Students are encouraged to apply for dual admission during their first semester at MCCKC to coordinate associate degree completion with degree requirements at UCM. To learn more visit www.ucmo.edu/undergrad/dualadmissions.cfm.

GENERAL EDUCATION ASSESSMENT

All UCM students are required to pass a General Education Assessment (GEA). Students transferring in more than 45 hours are required to take the test during their first semester at UCM. Testing Services can be contacted by phone at (660) 543-4919 or by e-mail at testingservices@ucmo.edu. To learn more visit www.ucmo.edu/assessment/documents/gened_policy.pdf

CATALOGS

Metropolitan Community College catalog:
http://www.mcckc.edu/PDF/MCC_Online_Catalog_2016-2017.pdf

UCM catalog: www.ucmo.edu/catalogs

TRANSFER WORK

Arrange for all transfer work to be posted at UCM at the time of application. An official transcript must be received at UCM directly from each school attended. Individual transfer equivalencies can be found online at www.ucmo.edu/corequiv. Transcripts can be sent to: University of Central Missouri, Office of Admissions, Ward Edwards 1400, Warrensburg, MO 64093

UCM TRANSFER ADVISORS

UCM advisors for programs in the College of Health, Science, and Technology (CHST) are located in the CHST Advising Center located in Administration 105. Contact your advisor by calling (660)543-4554 or by email chstadvising@ucmo.edu.

UCM DEPARTMENT CONTACT

The School of Computer Science and Mathematics is located in W.C. Morris room 222. You can contact them by telephone at (660) 543-4930. To learn more visit www.ucmo.edu/cs-math.
