

# UNIVERSITY OF CENTRAL MISSOURI

## MCC A.A. to UCM Secondary Education: Mathematics B.S.E. (Grades 9-12 Certification)

### AA COURSEWORK AT MCC

(UCM equivalencies in parentheses)

#### COMMUNICATIONS – 9 Credit Hours

ENGL 101 Composition and Reading I (ENGL 1020)	3
ENGL 102 Composition and Reading II (ENGL 1030)	3
COMM 100 Fundamentals of Speech (COMM 1000)	3

#### MATHEMATICS – 3 Credit Hours

MATH 150 PreCalculus (MATH 1150)	5
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#### AMERICAN INSTITUTIONS – 3 Credit Hours

**HIST 120 United States History to 1865 (HIST 1350) <i>or</i>	3
**HIST 121 United States History Since 1865 (HIST 1351) <i>or</i>	
**POLS 136 Introduction to American National Politics	

#### SCIENCES – 7 Credit Hours

Take two courses; one with lab

Lab Courses: BIOL 101 (BIOL 1110), 102 (BIOL 1005), 104 (BIOL 1111), 106 (BIOL 1112), 110 (BIOL 3401), 118 (BIOL 1004), 123 (BIOL 1110), 210 (BIO 3402), CHEM 101 (GNED 1916), 105 (CHEM 1104), 107 (CHEM 1104), 111 (CHEM 1131), GEOG 104 (GEOG 2100), 110 (EASC 3114), GEOL 101 (EASC 1004), 102 (EASC 2200), GEOL 103 (EASC 3100), PHYS 101L (PHYS 1104), 106L, 112, 130 (PHYS 1101), *or* 220 (PHYS 2121)

Non-Lab Courses: BIOL 132 (D&N 3340), PHYS 101 (PHYS 1103), 104 (1104), *or* 106 (EASC 3112)

#### WESTERN CIVILIZATIONS – 3 Credit Hours

HIST 133 Foundations of Western Civilization (HIST 1400) <i>or</i>	3
HIST 134 Modern Western Civilization (HIST 1402)	

#### SOCIAL SCIENCES – 6 Credit Hours

ANTH 100 (ANTH 1810), ANTH 110 (ANTH 1820), PSYC 140 (PSY 1100), SOCI 160 (SOC 1800), ECON 210 (ECON 1010) <i>or</i> ECON 211 (ECON 1011)	3
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#### HUMANITIES – 3 Credit Hours

ENGL 218, 220 (ENGL 2210), 221 (ENGL 2215), 222 (ENGL 2200), 223 (ENGL 2205), 268 (ENGL 2270), PHIL 100 (PHIL 1000), 148 (PHIL 1410), <i>or</i> 203 (PHIL 2300)	3
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#### HUMANITIES APPRECIATION – 3 Credit Hours

ART 108 (ART 1800), ART 150 (ART 1815), ART 151 (ART 1825) MUSI 108 (MUS 1210), <i>or</i> THEA 106 (THEA 2400), ARAB, FREN, GERM, CHIN, SPAN 101 (SPAN 1601), SPAN 102 (SPAN 1602), SPAN 203 (SPAN 2601), SPAN 204 (SPAN 2602)	3
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#### COMMON CORE ELECTIVES – 5 Credit Hours

Take additional common core electives to reach 42 hours of general education. Offerings available at

<http://mcckc.edu/progs/degrees/aa/transferlibrary.asp>

#### GENERAL DEGREE REQUIREMENTS – 7 Credit Hours

COLL 100 First Year Seminar	1
Global Diversity	3

Course options available at <http://www.mcckc.edu/programs/aa/>

CSIS 115 Technology Fund & Applications (CIS 1600) or higher	3
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#### ELECTIVES – 11 Credit Hours

**EDUC 200 Found of Ed in a Diverse Society (EDFL 2100)	3
**EDUC 201 Teaching Prof with Field Experience (FLDX 2150)	3
**EDUC 270 Educational Psychology (EDFL 2240)	3
**EDUC 285 Education for Exceptional Learners (EDSP 2100)	3
**MATH 180 Analytic Geometry and Calculus I (MATH 180)	5
**MATH 190 Analytic Geometry and Calculus II (MATH 190)	5

### PROGRAM REQUIREMENTS AT UCM

(MCC equivalencies in parentheses)

#### MAJOR REQUIREMENTS – 40.5 Credit Hours

CS 1100 Computer Programming I (CSIS 123)	3
MATH 1151 Calculus I (MATH 180)	5
MATH 1152 Calculus II (MATH 190)	5
MATH 1850 Orientation Seminar	0.5
MATH 2221 Foundations of Geometry	3
MATH 2410 Discrete Mathematics	3
MATH 2861 Advanced Perspectives on High School Mathematics	3
MATH 2862 Advanced Perspective on Secondary Geometry and Trigonometry	3
MATH 3710 Linear Algebra	3
MATH 3850 Strategies in Teaching Secondary Mathematics	3
MATH 4233 The Scientific, Historical, and Sociological Impact of Mathematics	3
MATH 4710 Algebraic Structures	3
MATH 4851 Probability and Statistics for Middle/High School Mathematics	3

#### PROFESSIONAL EDUCATION REQUIREMENTS – 43 Credit Hours

EDFL 2100 Intro to the Teaching Profession (EDUC 200)	3
EDFL 2240 Educational Psychology (EDUC 270)	3
EDFL 2250 Intro to English Language Learners and Culturally Responsive Pedagogy	2
EDFL 4210 Introduction to Content Area Literature	2
EDFL 4212 Literacy in the Disciplines I	2
EDFL 4970 Secondary Teaching and Behavioral Management	2
EDFL 4972 Literacy in the Disciplines II	2
EDSP 2100 Education of the Exceptional Child (EDUC 285)	3
FLDX 2150 Introductory Field Experience (EDUC 201)	1
FLDX 3000 Field Experience in the Content Area	1
FLDX 4970 Field Experience II in the Content Area	1
MATH 4880 Issues and Methods of Teaching Secondary Math	3
MATH 4973 Engaging Secondary Mathematics Learners	1
MATH 4974 Assessment in the Mathematics Classroom	1
CFD 1220 Child and Adolescent Development (ECED 113) <i>or</i> PSY 2220 Child and Adolescent Psychological Development (PSYC 240)	3

#### Student Teaching Semester

FLDX 4468 Student Teaching Secondary II	6
FLDX 4595 Student Teaching Secondary I	6

#### GENERAL EDUCATION REQUIREMENTS – 6 Credit Hours

POLS 1510 American Government (POLS 136) <i>and</i>	
HIST 1350 History of the United States to 1877 (HIST 120) <i>or</i>	
HIST 1351 History of the United States from 1877 (HIST 121)	

\*\*Course fulfills a major requirement at UCM and if not taken as part of AA must be taken at UCM

**MINIMUM HOURS REQUIRED FOR A.A.: 60 Hours**  
**MINIMUM HOURS REQUIRED FOR B.S.E.: 120 Hours**

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### REQUIREMENTS FOR THIS MAJOR

- Minimum hours: 120
- Minimum of 30 hours upper level credit (courses numbered 3000 and above). Courses taken at MCC do not count toward the upper-level requirement though they sometimes may be articulated as upper level classes.
- Minimum of 12 upper level credit hours in major

### RESIDENCY REQUIREMENTS FOR A DEGREE AT UCM

- 30 credit hours must be completed at UCM
- 20 upper level hours must be completed at UCM
- 15 credit hours in the major must be from UCM
- 9 upper level hours in the major must be completed at UCM
- The last 12 semester hours must be earned from UCM
- If pursuing a minor, a minimum of 9 hours in the minor must be completed at UCM

### 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](http://www.ucmo.edu/corequiv).

### DUAL ADMISSION

Application for dual admission is strongly recommended to coordinate associate degree completion with degree requirements at UCM. Visit this website for more information: <http://www.ucmo.edu/undergrad/dualadmissions.cfm>.

### ADMISSION TO TEACHER EDUCATION

- Students seeking an initial teaching certificate must gain admission to the Teacher Education program. Specific requirements for Admission to the Teacher Education program are available in the UCM Undergraduate Catalog and at: <http://www.ucmo.edu/cert/admission.cfm>.
- Education students must maintain a 2.75 cumulative GPA and a 3.0 major GPA.
- Students finishing their A.A.T. should plan to complete their DESE Educator Profile and their Fingerprinting/Background Check by the time they start classes at UCM. The background check must be completed through the 3M/Cogent company and posted to the student's DESE profile.

### GENERAL EDUCATION ASSESSMENT

All UCM students are required to pass a General Education Assessment test. Teacher Education students must pass all sections of the Missouri General Education Assessment (MOGEA) as required by DESE and for Admission to the Teacher Education program. For more information, visit [www.mo.nesinc.com](http://www.mo.nesinc.com).

### CATALOGS

Metropolitan Community College catalog: <http://www.mcckc.edu/PDF/academiccatalog.pdf>  
UCM catalog: [www.catalog.ucmo.edu](http://www.catalog.ucmo.edu)

### UCM PROGRAM CONTACT

Dr. Vida Olivares  
WC Morris 127  
660.543.880  
[Olivares@ucmo.edu](mailto:Olivares@ucmo.edu)  
<https://www.ucmo.edu/academics/programs/majors/secondary-education-bse-41-695-mathematics-e459/index.php>

### UCM ACADEMIC ADVISING

The University of Central Missouri offers general education advising services to MCC students on MCC campuses. Times and locations are available at [www.ucmo.edu/mcckc](http://www.ucmo.edu/mcckc). UCM advisors for programs in The College of Education are located in the Success Advising Center located in Union 128. Contact your advisor by calling (660) 543-4721 or by email [success@ucmo.edu](mailto:success@ucmo.edu).

### MCC OUTREACH

The University of Central Missouri offers advising services to MCC students on MCC campuses. Contact the Office of Admissions to learn about times and locations: University of Central Missouri, Office of Admissions, 1400 Ward Edwards, Warrensburg, MO 64093. 660.543.4290. [admit@ucmo.edu](mailto:admit@ucmo.edu).

### VALIDITY OF THIS TRANSFER GUIDE

This guide is based on the UCM 2018 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. Use this guide in conjunction with regular meetings with your MCC advisor to ensure A.A. requirements and policies are followed.