UNIVERSITY OF CENTRAL MISSOURI

MCC ASSOCIATE IN ARTS

to

UCM BIOLOGY, AREA 5: BIOMEDICAL/Celled & MOLECULAR BIOLOGY, BACHELOR OF SCIENCE

YEARS 1 AND 2 AT MCC

Complete the Associate in Arts (A.A.) degree and include the following courses in the A.A. course of study:

UCM equivalencies in parenthesis

American Institutions: 6 hours
Select two course; one must be a HIST prefix

Communications: 9 hours
ENGL 101 Composition & Reading I (ENGL 1020) 3
ENGL 102 Composition & Reading II (ENGL 1030) 3
SPDR 100 Fundamentals of Speech (COMM 1000) 3

Humanities: 9 hours
Select one 3-hour course in each of any three different areas
One course must be in literature or philosophy

Mathematics: 3 hours
Select one course MATH 119 (MATH 1620) or higher

Natural Sciences: 9 hours
BIOL 101* General Biology (BIOL 1110) 5
CHEM 111* General College Chemistry I (CHEM 1131) 5

Social Sciences: 6 hours
Select one course from two different areas.

Computer: 3 hours
Select one course CSIS 110 (BTE 1210) or higher 3

Electives: The following classes fulfill a major requirement at UCM and elective requirement in the A.A. If not taken at MCC, must be taken at UCM.

BIOL 104* General Botany (BIOL 1111) 5
BIOL 106* General Zoology (BIOL 1112) 5
Choose from one of the following*: 2-3
PHED 126 Lifetime Fitness I (PE 1206) 2
PHED 157 Principles of Health (HED 1100) 3
PHIL 203 Ethics (PHIL 2300) 3
PSYC 144 Adjustment & Personality (PSY 1320) 3
SPDR 103 Interpersonal Comm (COMM 3010) 3

Minimum Hours Required for A.A.: 62

YEARS 3 AND 4 AT UCM

Major Requirements 53-54 hours
BIOL 1000 The Discipline of Biology 1
BIOL 1110* Principles of Biology 3
BIOL 4000 Biology Colloquium 1
ICAP 4222 The Biological Perspective 3

Area 5: Biomedical/Celled & Molecular Biology
BIOL 1111* Plant Biology 4
BIOL 1112* Animal Biology 4
BIOL 2511 Genetics 4
BIOL 2512 Cell Biology 3
BIOL 3611 Microbiology 4
BIOL 4514 Molecular Biology 3
BIOL 4515 Molecular Technology Lab 2
CHEM 1131* General Chemistry I 5
CHEM 1132 General Chemistry II 5
Biol 4411 Plant Physiology, 4 -or-
BIOL 3431 Animal Physiology, 4 4
Electives from the following: 7-8
BIOL 3413 Immunology 3
BIOL 4311 Parasitology 4
BIOL 4516 Hematology/Virology 3
BIOL 4517 Serology Lab 1
AGRI 4310 Plant Breeding & Genetics 3
AGRI 4320 Plant Diseases 3
CHEM 331 Organic Chemistry I 4
CHEM 3421 Intermediate Biochemistry 3
PHYS 1101 College Physics I 4

General Education Requirements 38** hours
Free Electives or Minor 28-29** hours

Students must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the degree requirements.

Updated: March 2012

Minimum Hours Required for B.S.: 120
**MCC ASSOCIATE IN ARTS**

to

**UCM BIOLOGY, AREA 5: BIOMEDICAL/CELLULAR & MOLECULAR BIOLOGY, BACHELOR OF SCIENCE**

This guide is based on the UCM 2011 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 (www.ucmo.edu/academics/catalog) and the current MCC Course Catalog (http://mcckcc.edu/catalog/Catalog1112.pdf) for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>Students who hold an Associate in Arts Degree from MCC or have met the Missouri 42-hour General Education Core requirements are considered to have fulfilled all UCM General Education requirements, except:</th>
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<tbody>
<tr>
<td></td>
<td>- Personal Interaction: This requirement may be fulfilled by appropriate transfer courses.</td>
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<td>- Integrative Studies: This requirement is fulfilled by ICAP 4222 in Division IV of UCM's General Education program and must be taken at UCM.</td>
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<td>- Any major required general education course not previously taken. For those students with an Associate Degree other than the Associate in Arts or who have not completed the A.A., transfer courses are evaluated on a course-by-course basis.</td>
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<tr>
<th>Credits Required for B.S.</th>
<th>- Minimum of 120 hours</th>
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<td>- Minimum of 30 hours of upper-level credit^</td>
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<td></td>
<td>- Minimum of 12 upper-level hours in major</td>
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<td></td>
<td>^Courses taken at a two-year college MAY be articulated for an upper-level course by WILL NOT count towards upper-level hour requirements.</td>
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<th>Minor Required</th>
<th>No</th>
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<td>Modern Language Required</td>
<td>No</td>
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<th>GPA Required for Graduation</th>
<th>Students must achieve a minimum GPA of 2.00 in all grade point averages to qualify for graduation. This includes cumulative GPA, UCM GPA, major GPA, and minor GPA (if applicable). Some degree programs have additional GPA requirements.</th>
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<tr>
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<td>- 30 hours must be completed at UCM</td>
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<td></td>
<td>- 20 upper-level hours must be completed at UCM</td>
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<td>- 15 hours in major must be from UCM, 9 hours in major must be upper-level</td>
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<td>- 9 hours in minor must be from UCM, 1 hour in minor must be upper-level (if applicable)</td>
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<td>- The last 12 semester hours must be earned at UCM</td>
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<th>Residency Requirements to Receive a Degree from UCM</th>
<th>All UCM students are required to pass a General Education Assessment test. Students transferring in more than 45 hours are required to take the test during their first semester at UCM. Learn more about the GEA at: <a href="http://www.ucmo.edu/assessment/documents/gened_policy.pdf">www.ucmo.edu/assessment/documents/gened_policy.pdf</a></th>
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**Transfer Work**

Arrange for all transfer work to be posted at UCM. An official transcript must be received at the UCM Office of Admissions directly from each school attended. The Office of Admissions is located in the Ward Edwards Building, Room 1400 - (660) 543-4290. Individual transfer equivalencies can be found online at www.ucmo.edu/corequiv.

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<th>UCM Undergraduate Catalog</th>
<th>The current UCM Undergraduate Catalog can be found at: <a href="http://www.ucmo.edu/academics/catalogs">www.ucmo.edu/academics/catalogs</a></th>
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<th>UCM Transfer Advisors</th>
<th>UCM Transfer Advisors are housed in the Office of Transfer and Transition Services located in the Ward Edwards Building, Room 1900 - (660) 543-4721 or <a href="mailto:transition@ucmo.edu">transition@ucmo.edu</a>. Visit the Transfer and Transition Services website to find out who your transfer advisor is: <a href="http://www.ucmo.edu/transititon/advisors.cfm">www.ucmo.edu/transititon/advisors.cfm</a>.</th>
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<th>UCM Department Contact</th>
<th>The Department of Biology &amp; Earth Science is located in the Morris Building, Room 306 - (660) 543-4933. The department website can be found at <a href="http://www.ucmo.edu/biology">www.ucmo.edu/biology</a>.</th>
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| UCM Professional Academic Advisor for this Degree | Paula Brant located in the Administration Building, Room 105 - (660) 543-4554 or chstadvising@ucmo.edu. The CHST Advising website can be found at www.ucmo.edu/chst/advising. |