### General Education Requirements | Credits
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**American Institutions** Complete two courses from the following (one must be HIST) | 
HIST 120 United States History to 1865 |  
HIST 121 United States History since 1865 |  
POLS 135 Introduction to Political Science |  
POLS 136 Introduction to American National Politics |  
POLS 137 Introduction to State and Local Politics | 6

**Communications** |  
ENGL 101 Composition and Reading I | 3
ENGL 102 Composition and Reading II | 3
SPDR 100 Fundamentals of Speech | 3

**Mathematics** |  
MATH 160 Analytical Geometry and Calculus I | 5

**Humanities** (3 courses, 3 areas of study, 1 course must be Lit. or Phil.) |  
Art History or ART 108 |  
Foreign Language 101 or higher or SIGN 101 or 102 |  
HUMN (any course) |  
Literature (any course) |  
MSCM 112 | 9-11
MUSI 108, 116 or 160 |  
PHIL (any course) |  
SPDR 103, 104, 106, 110, 112, 114, 128 or 133 |  
Western Civilization (HIST/HUMN 133 or 134) |  

**Natural Sciences** (must include lab) |  
BIOL - Must include lab | 5
CHEM 111 General College Chemistry I with lab | 4-5

**Social Sciences** (2 courses, 2 areas of study) |  
ECON (any course) |  
GEOG (excluding 104 and 110) |  
HIST (any course) |  
POLS (any course) | 6
SOCI or ANTH (any course) |  
SOSC (any course) |  
PSYC (any course) |  
CSIS 110 or higher numbered CSIS course | 3

**Electives - 12-17 credits** - The following courses are required for the B.S. and should be included in selection of electives. If not taken at MCC, must be taken at UCM. |  
CHEM 112 General College Chemistry II with lab | 5
MATH 190 Analytical Geometry and Calculus II | 5
3 hours to fulfill UCM Personal Interaction |  
**Total Credits Required** | 62

Students must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the General Education Requirements.

### Major Requirements | Credits
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Integrative Studies (must be taken at UCM) | 3
CHEM 3111 Intern Inorganic Chemistry | 4
CHEM 3212 Quantitative Analysis | 3
CHEM 3341 Organic Chemistry I | 4
CHEM 3342 Organic Chemistry II | 4
CHEM 3920 Communication Skills in Chem | 2
CHEM 4231 Instrumental Analysis | 4
CHEM 4421 Biochemistry | 4
CHEM 4531 Physical Chemistry I | 4
CHEM 4532 Physical Chemistry II | 4
CHEM 4910 Research in Chemistry | 4
PHYS 1101 College Physics I | 4
PHYS 1102 College Physics II | 4

**Elective from the following: 0 – 4 credits** |  
CHEM 4111 Adv Inorganic Chemistry | 4
CHEM 4313 Modern Organic Analysis | 4

**Free Electives** |  
17-21

**Total Credits Required** | 124

Revised: 7/2007