## Liberal Arts & Sciences: Mathematics & Science (Chemistry Transfer Advising Guide)

## **Associate in Science Degree**

Graduates with a concentration of studies in chemistry have successfully transferred to undergraduate chemistry programs at many colleges. MVCC also has articulation agreements with a range of institutions. Please contact the STEM center for more information regarding articulation agreements. Two years of High School mathematics, or the equivalent, and one year of laboratory science are required. A third High School Math course, or its equivalent, Biology, Chemistry, and Physics are recommended.

Total Credit Hours: 61 - 62           First Semester           CF100 College Foundations Seminar         1.0           EN101 English 1: Composition         3.0           MA151 Calculus 1         4.0           CH141 General Chemistry 1         4.0           GE Social Science Elective (a)         3.0           Any PE Physical Education Course         0.5           Second Semester           EN102 English 2:Idea&Values Lit         3.0           PH261 Englineering Physics 1         4.0           MA152 Calculus 2         4.0           CH142 General Chemistry 2         4.0           Any PE Physical Education Course         0.5           Third Semester           CH247 Organic Chemistry 1         5.0           PH262 Engineering Physics 2         4.0           Chemistry Elective (b)         4.0 - 5.0           Any PE Physical Education Course           Fourth Semester           H1101 History of Civ 1         3.0           CH248 Organic Chemistry 2         5.0           Chemistry Elective (b)         4.0 - 5.0		
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<sup>(</sup>a) Social Science GE Electives include: BM101, PY101, SO101, AN101, PS101, OR GE101.

<sup>(</sup>b) Chemistry Electives include: BI141, BI142, BI201, CH246, ES151, GL101, MA253, MA260, PH263, ES151, ES161 OR Internship