

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

Associate in Science Degree

Graduates in this area of study have successfully transferred to undergraduate engineering, computer science, mathematics education, statistics, and mathematics programs at many colleges. MVCC also has articulation agreements with a range of institutions. Please contact the S.T.E.M. Department for more information regarding articulation agreements. Two years of high school mathematics, or the equivalent, and one year of laboratory science are required. Two years of a world language recommended.

(d) Six hours of restricted electives, chosen upon advisement, provide the opportunity for the student to pursue courses that are related to career objectives or transfer requirements.

Total Credit Hours: 64

First Semester

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|-----------------------------------|-----|
| CF100 College Foundations Seminar | 1.0 |
| EN101 English 1: Composition | 3.0 |
| MA150 Precalculus | 4.0 |
| HI101 History of Civ 1 | 3.0 |
| GE Social Science Elective (a) | 3.0 |
| Restrictive Sequence Elective (b) | 3.0 |
| PE Physical Education | 0.5 |

Second Semester

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|-----------------------------------|-----|
| EN102 English 2:Idea&Values Lit | 3.0 |
| GE Social Science Elective (a) | 3.0 |
| MA151 Calculus 1 | 4.0 |
| HI102 History of Civ 2 | 3.0 |
| Restrictive Sequence Elective (b) | 3.0 |
| PE Physical Education | 0.5 |

Third Semester

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|---------------------------------|-----|
| MA275 Dis Algebraic Str | 4.0 |
| MA152 Calculus 2 | 4.0 |
| GE Natural Science Elective (c) | 4.0 |
| Restrictive Elective (d) | 3.0 |
| PE Physical Education | 0.5 |

Fourth Semester

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|---------------------------------|-----|
| GE Natural Science Elective (c) | 4.0 |
| MA253 Calculus 3 | 4.0 |
| Restrictive Elective (d) | 3.0 |
| MA280 Linear Algebra | 3.0 |
| PE Physical Education | 0.5 |

(a) Social Science Electives include: AN101, BM101, PS101, PY101, or SO101.

(b) Restrictive Sequence Electives include: Students should take either CI110 and CI130 or two semesters of a world language.

(c) Natural Science Electives include: BI141 & BI142, CH141 & CH142, GL101 & GL102, PH141 & PH142, PH151 & PH152, or PH261 & PH262
Physics sequence recommended.