

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

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## Associate in Science Degree

High School Mathematics Courses A and B or the equivalent, and one year laboratory science are required. Chemistry and Physics are recommended. For students seeking a career in physics, the following specific courses should be taken to prepare for the upper division courses.

### Total Credit Hours: 63

#### First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
CH141 General Chemistry 1	4.0
MA151 Calculus 1	4.0
Computer & Information Sciences Elective (a)	3.0
PE Physical Education	0.5

#### Second Semester

EN102 English 2:Idea&Values Lit	3.0
CH142 General Chemistry 2	4.0
MA152 Calculus 2	4.0
PH261 Engineering Physics 1	4.0
PE Physical Education	0.5

#### Third Semester

ES291 Electrical Circuits 1	4.0
MA253 Calculus 3	4.0
PH262 Engineering Physics 2	4.0
PE Physical Education	0.5
GE Social Science Elective (b)	3.0

#### Forth Semester

HI101 History of Civ 1	3.0
MA260 Differential Equations	3.0
MA280 Linear Algebra	3.0
PH265 Mdrn Physics and Thermodynamic	4.0
PH270 Waves and Oscillations	3.0
PE Physical Education	0.5

(a) Computer and Information Sciences Electives include: CI130 Programming in C++ OR CI140 Computer Programming for Engineers & Scientists.

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