

PHYSICS

(AS.PHYS) ASSOCIATE IN SCIENCE DEGREE

Upon completion of this course sequence, physics students will receive an associate in science degree.

This program follows Math Pathway #4. Math requirements for a specific major may vary from one institution to another. Please consult with an academic counselor or academic advisor to confirm the pathway that is applicable to your major and transfer institution.

FIRST YEAR

First Semester		Hours
CHM-150	General Chemistry I *	4.0
MAT-241	Analytical Geom-Calc I *	5.0
ENG-120	Composition I *	3.0
	Humanities and Fine Arts (IAI H)	3.0
SEMESTER TOTALS		15.0

Second Semester

CHM-151	General Chemistry II *	4.0
MAT-242	Analytical Geom-Calc II *	4.0
ENG-121	Composition II *	3.0
PHY-140	University Physics I * +++	4.0
	Social/Behavioral Science (IAI S)	3.0
SEMESTER TOTALS		18.0

SECOND YEAR

First Semester		Hours
PHY-141	University Physics II * +	4.0
SPE-111	Intro to Speech Communication	3.0
BIO-100	Bio Science I	4.0
	Physics/Math Elective	3.0
	Humanities and Fine Arts (IAI F)	3.0
SEMESTER TOTALS		17.0

Second Semester

PHY-142	University Physics III * +++	4.0
MAT-243	Analytical Geom-Calc III * +++	4.0
	Physics/Math Elective	3.0
	Social/Behavioral Science (IAI S)	3.0
SEMESTER TOTALS		14.0

SUGGESTED ELECTIVES

MAT-245	Differential Equations * +++	3.0
MAT-255	Linear Algebra * +	3.0
PHY-239	Mechanics I * +	3.0
PHY-240	Mechanics II * +++	3.0

TOTAL PROGRAM HOURS **64.00**

This is a sample list of major requirements. University requirements vary by institution. Consult a counselor or academic advisor before registering. Specific graduation requirements are identified through degree audit. Additional courses in reading, English and mathematics may be required based on placement scores.

- * There are prerequisites, course requisites, or minimum placement test scores for this course.
- ** Electives must be approved by the Program Coordinator
- + Course only offered fall semester
- ++ Course only offered spring and summer semester
- +++ Course only offered spring semester
- ++++ Course offered in summer term only
- ^ SOS 050 Human Relations and PSY 271 Introduction to Psychology cannot be used as a social science elective
- ^^ Consult Academic Advisor for appropriate course
- ^^^ Course requires a 30-hour practicum experience in addition to classroom lecture hours
- ^^^^ ECE 120 and ECE 125 must be taken the same semester

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