PHYSICS OPTION – N014

A.S. in Arts and Science

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PROGRAM OVERVIEW

The Physics Option prepares students for transfer to public or private four year colleges or universities with a major in physics. Physics majors can also transfer into programs in other areas of science and non science.

Physicists find employment opportunities in industry, government and education in fields, such as, physics, engineering, computer software, and business.

COURSE TITLE	COURSE NUMBER	PREREQUISITES	CREDITS
GENERAL EDUCATION REQUIREMENTS			**20**
College Composition I: Expository Writing and Research (A)	ENG 101	Appropriate scores on English placement tests or C- or better in ENG 095 or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099.	3
College Composition II: Writing about Literature (A)	ENG 102	English 101 with a grade of C- or higher	3
Social Sciences (B)			3
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Physics for Engineering and Science Majors I (E)	PHS 111	Pre- or corequisites: MTH 111 or MTH 113	4
Physics for Engineering and Science Majors II (E)	PHS 112	PHS 111, MTH 112 and MTH 114 previously or concurrently	4
PROGRAM REQUIREMENTS			**12**
Calculus I (D)	MTH 113	MTH 108 or adequate score on the Math Placement Exam	4
Calculus II (D)	MTH 114	MTH 113 or MTH 111	4
Calculus III (D)	MTH 213	MTH 114	4
SUGGESTED ELECTIVES *(Sufficient to complete 60 credit graduation requirement)*			**28**
Principles of Chemistry I (E) **or** Inorganic Chemistry I (E)	CHM 113 / CHM 121	MTH 085, or an equivalent self-paced level, or equivalent score on the Math Placement Exam MTH 104 previously or concurrently or eligible by score on Math Placement Exam	4
Principles of Chemistry II (E) **or** Inorganic Chemistry II (E)	CHM 114 / CHM 124	CHM 113 or CHM 121 or equivalent. CHM 113 or CHM 121	4
Humanities Elective (C)			3
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Physics for Engineers and Science Majors III	PHS 201	PHS 112; MTH 212 or MTH 213 previously or concurrently	4
Social Science Elective (B)			3
Linear Algebra	MTH 205	MTH 112 or MTH 114, previously or concurrently	3
Differential Equations	MTH 214	MTH 212 or MTH 213 previously or concurrently	3
Total Credits			**60**