

Natural Science Major Physical Science Option

First Year

ENGL 1013	Composition I	3	ENGL 1023	Composition II	3
MATH 1043	College Algebra	3	MATH 1033	Trigonometry	3
CHEM 1103	General Chemistry I	3	CHEM 1113	General Chemistry II	3
CHEM 1121	General Chemistry I Lab.	1	CHEM 1131	General Chemistry II Lab.	1
Minor		3	SPCH 1023	Public Spk. OR	
PSY 1013	Intro. To Psych OR		SPCH 2283	Bus. & Prof. Spch.	3
SOC 2213	Intro. To Sociology	3	Minor		3
Total		16	Total		16

Second Year

PHYS 2203	General Physics I	3	PHYS 2213	General Physics II	3
PHYS 2231	Physics Laboratory I	1	PHYS 2241	Physics Laboratory II	1
BIOL 1063	Biological Science	3	CHEM 3314	Quantitative Analysis	4
BIOL 1071	Biological Science Laboratory	1	HIST 2213	Amer. History I OR	
ASTR 1033	Elements of Astronomy	3	HIST 2223	Amer. History II OR	
ASTR 1041	Elements of Astronomy Lab.	1	PSCI 2213	Amer. National Govt.	3
Minor		3	ENGL 22x3	World Literature	3
HIST 10x3	Survey of Civilization	3			
Total		17	Total		14

Third Year

CHEM 3404	Organic Chemistry I	4	CHEM 3414	Organic Chemistry II	4
Minor		3	ESCI 1073	Earth and Atmosphere	3
Social Science Elective		3	ESCI 1081	Earth and Atmosphere Lab.	1
ART 1053	Art Appreciation OR		MATH 1073	Compact Calculus	3
MUS 1113	Music Appreciation	3	Minor (Upper Level)		3
Elective		3			
Total		16	Total		14

Fourth Year

ESCI 1063	Elements of Geology	3	CHEM 4611	Chemistry Seminar OR	
ESCI 1051	Elements of Geology Laboratory	1	CHEM 4721	Seminar in Class. Teaching	1
Chemistry Elective (Upper Level)		3	Chemistry Elective (Upper Level)		3
Minor (Upper Level)		6	Minor (Upper Level)		3
Elective (Upper Level)		3	Humanities Elective		3
			Elective (Upper Level)		6
Total		16	Total		16

Students required to enroll in Developmental courses will either need to attend summer school or take additional courses during the Fall and/or Spring semesters. Credit hours earned in developmental courses do not apply toward the 124 hours required for graduation.

Specific Requirements for the Natural Science Major, Physical Science Option

Core Requirements 16 hours

CHEM	1113	General Chemistry II
CHEM	1131	General Chemistry II Laboratory
ESCI	1073	Earth and Atmosphere
ESCI	1081	Earth and Atmosphere Laboratory
PHYS	2203	General Physics I
PHYS	2231	Physics Laboratory I
PHYS	2213	General Physics II
PHYS	2241	Physics Laboratory II

Supportive Requirements 17-18 hours

BIOL	1063	Biological Science
BIOL	1071	Biological Science Laboratory
CHEM	1103	General Chemistry I
CHEM	1121	General Chemistry I Laboratory
ESCI	1063	Elements of Geology
ESCI	1051	Elements of Geology Laboratory
MATH	1033	Trigonometry
MATH	1043	College Algebra

Physical Science Option 26 hours

ASTR	1033	Elements of Astronomy
ASTR	1041	Elements of Astronomy Laboratory
CHEM	3314	Quantitative Analysis
CHEM	3404	Organic Chemistry I
CHEM	3414	Organic Chemistry II
<i>One of the following:</i>		
	CHEM 4611	Chemistry Seminar -or-
	CHEM 4721	Seminar in Classroom Teaching
MATH	1073	Compact Calculus

Electives:

Six hours of 3000-4000 level Chemistry or Physics courses

The Natural Science Major requires a minor.

As some courses are not offered every semester it is very important for students to enroll in courses when they are available. The following courses are offered in the indicated semester:

Every Fall

BIOL	1053	Principles I
BIOL	1041	Principles I Lab
BIOL	3354	Genetics
BIOL	3484	General Ecology
CHEM	3404	Organic Chemistry I
ESCI	1051	Elements of Geology Lab
ESCI	1063	Elements of Geology
PHYS	2323	University Physics II

Fall of odd numbered year semesters:

BIOL	3413	Mammalogy
BIOL	3574	Comparative Anatomy
CHEM	4634	Biochemistry I

Fall of even numbered years:

BIOL	3493	Environmental Science
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Every Spring

BIOL	1083	Principles II
BIOL	1091	Principles II Lab
BIOL	3363	Cell Biology
BIOL	4634	Vertebrate Physiology
BIOL	4673	Pharmacology
CHEM	3414	Organic Chemistry II
CHEM	1113	General Chemistry II
CHEM	1131	General Chemistry II Lab
ESCI	1073	Earth & Atmosphere
ESCI	1081	Earth & Atmosphere Lab
MATH	1073	Compact Calculus
PHYS	2313	University Physics I

Spring of even numbered years:

BIOL	3314	Ichthyology/Herpetology
BIOL	3763	Evolution
CHEM	4643	Biochemistry II

Spring of odd numbered years

BIOL	3434	Regional Flora
BIOL	3524	Ornithology