

NATURAL SCIENCE EDUCATION - PHYSICS – Secondary Subject Endorsement

Bachelor of Science

Curriculum Guide

▪ FIRST YEAR

First Semester

CHEM	151	General Chemistry	4
EDUC	125	Introduction to Teaching	3
RELT	141	Christian Beliefs	3
ENGL	111	College Writing I	3
CPTR	220	Microcomputer Applications	3
		Science Elective	<u>1</u>
		Total	17

Second Semester

CHEM	152	General Chemistry	4
MATH	184	Calculus I	4
HHPA	155	Concepts of Wellness	2
ENGL	112	College Writing II	3
COMM	105	Public Speaking	2
		Fine Arts Elective	<u>1</u>
		Total	16

▪ SECOND YEAR

First Semester

PHYS	251	College Physics	4.5
EDUC	225	Educational Diversity (Multicultural)	1
PHYS	228	Electric Circuit Analysis	4
ASTR	111	Astronomy	4
HHPA		Activity Elective	1
		Fine Arts Elective	<u>1</u>
		Total	15.5

Second Semester

EDUC	218	Philosophy of Education	3
PHYS	252	College Physics	4.5
HIST*	157	West and the World	3
RELT	310	History of the SDA Church	3
RELB		Religion Elective	3
HHPA		Activity Elective	<u>1</u>
		Total	17.5

▪ THIRD YEAR

First Semester

EDUC	345	Learning Theories and Measurement	3
BIOL	151	General Biology	4
PHYS [^]	351	Quantum Mechanics	4
EDUC	476	Content Reading	3
EDUC	418	Methods: Science Education	<u>3</u>
		Total	17

Second Semester

PHYS	350	Modern Physics	4
BIOL	152	General Biology	4
LITR*	232	Modern Western Literature	3
EDUC	356	General Secondary Methods	3
PSYC	215	Developmental Psychology	<u>3</u>
		Total	17

▪ FOURTH YEAR

First Semester

EDUC	475	Student Teaching	<u>16</u>
		Total	16

Second Semester

HIST*	315	Economic History of the US	3
RELT	455	Prophetic Guidance	3
PHIL	335	Introduction to Philosophy	3
EDUC	346	Special Education in the Classroom	3
EDUC	485	Issues in Education	1
HIST*	315	US Economic History	3
PHYS		Physics Electives	<u>3</u>
		Total	19

128 hours are required for graduation. 40 hours must be upper division (300 level or above).

* Other courses may also meet this requirement. See the Union College Bulletin 2012.

[^] Alternate year course.

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.