

To receive a bachelor's degree from Elizabethtown College, the student must earn a minimum of 125 credits. Some programs may require more than this minimum to complete all program requirements. (*See the program requirements for specific information.*) No more than one bachelor's degree is ever awarded to an individual by Elizabethtown College; however, students may complete a second major, a minor, or teacher certification subsequent to graduation. Some major courses may also fulfill Core requirements.

**Requirements for B.S. Degree  
Interdisciplinary - Major in General Science – Secondary Education certification  
Academic Year 2015 – 2016**

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

		Credits	Grade	Term
CH 105	Fundamentals of Chemistry	4.00	___	___
CH 113	Organic Chemistry I	4.00	___	___
ES 113	Earth in Space	4.00	___	___
ES 114	Geosystems	4.00	___	___
PH 200	History and Philosophy of Sci	4.00	___	___
ED 105	Found of Teaching & Learning	4.00	___	___
ED 151	Early Adol/Adolescent Develop	4.00	___	___
ED 161	Technology I	2.00	___	___
SED 222	Foundations of Inclusive Ed	4.00	___	___
ED 305	Methods of Secondary Ed	6.00	___	___
ED 341	ELL: Linqiustic & Cul Div in Class	4.00	___	___
ED 470	Professional Internship	12.00	___	___
ED 497	Senior Sem in Secondary Ed	4.00	___	___

**Biology Conentration**

BIO 111	Molec, Cells & Animal Systems	4.00	___	___
BIO 112	Prin o Evo, Eco, & Div Life	4.00	___	___
BIO 211	Genetics	4.00	___	___
PHY 103	General Physics I	4.00	___	___
PHY 104	General Physics II	4.00	___	___

Take 3 of BIO235, 313/313L, 324/324L, 341 or 347

BIO	_____	___	___	___
BIO	_____	___	___	___
BIO	_____	___	___	___

Take 2 courses from MA 117, MA 121, MA 251

MA	_____	___	___	___
MA	_____	___	___	___

**Chemistry Concentration**

CH 213	Organic Chemistry II	4.00	___	___
CH 201	Lab Methods in Chemistry	4.00	___	___
CH 214	Analytical Chemistry II	4.00	___	___
BIO 111	Mol, Cells & Animal Systems	4.00	___	___
BIO 112	Prin of Evo, Eco & Div of Life	4.00	___	___
PHY 200	College Physics I	4.00	___	___
PHY 201	College Physics II	4.00	___	___
MA 121	Calculus I	4.00	___	___
MA 122	Calculus II	4.00	___	___

Take at least 7 credits of CH 242, 323, 324, 326, 327, 343, 344 or 455

CH	_____	___	___	___
CH	_____	___	___	___
CH	_____	___	___	___

**Physics Concentration**

PHY 200	College Physics I	4.00	___	___
PHY 201	College Physics II	4.00	___	___
PHY 202	College Physics III	4.00	___	___
PHY 221	Modern Physics	4.00	___	___
PHY 353	Advanced Physics Lab	4.00	___	___

GSBIOCRT GSCHCRT GSPHYCRT GSESCRT

		Credits	Grade	Term
<b><u>Physics Concentration- continued</u></b>				
EGR 210	Circuit Analysis	4.00	___	___
EGR 321	Thermodynamics	4.00	___	___
BIO 101	Biological Concepts	4.00	___	___
MA 121	Calculus I	4.00	___	___
MA 122	Calculus II	4.00	___	___

Take BIO 102 or BIO 103  
BIO \_\_\_\_\_ 4.00 \_\_\_ \_\_\_

Take one additional Engineering or Physics course  
\_\_\_\_\_ 3.00 \_\_\_ \_\_\_

**Earth Science Conentration**

ES 216	Physical Geography	4.00	___	___
BIO 103	Living with the Environment	4.00	___	___
BIO 111	Molec, Cells & Animal Systems	4.00	___	___
BIO 112	Prin o Evo, Eco, & Div Life	4.00	___	___
PHY 103	General Physics I	4.00	___	___
PHY 104	General Physics II	4.00	___	___

Take one additional course in Bio, Chem, or Phy/Engr  
\_\_\_\_\_ 3.00 \_\_\_ \_\_\_

Take 2 courses from MA 117, MA 121, or MA 251

MA	_____	___	___	___
MA	_____	___	___	___

*PLEASE NOTE: A complete list of the foundational requirements (including a list of approved English Literature courses) can be found in the **EDUCATIONAL MANUAL**.*

**FOUNDATIONAL REQUIREMENTS:**

**Annually updated state required TB test, and criminal, child abuse and FBI record clearances**

FY \_\_\_ / SO \_\_\_ / JR \_\_\_ / SR \_\_\_

**Grade C or better in ED 105** \_\_\_\_\_  
**Grade C or better in ED 151** \_\_\_\_\_

**Provisional Acceptance needed for 200-level ED courses:**

Cumulative GPA at 27 credits, >= 2.80 \_\_\_\_\_  
Submit Digication e-portfolio \_\_\_\_\_

**Formal Acceptance needed for 300-Level ED courses:**

Cumulative GPA at 54 credits, >= 3.00 \_\_\_\_\_  
Passing scores on PAPA exams \_\_\_\_\_  
Submit Digication e-portfolio \_\_\_\_\_  
Two Math: MA \_\_\_\_\_ & MA \_\_\_\_\_ \_\_\_\_\_  
Two English:  
EN 100 or EN 150 \_\_\_\_\_  
EN Literature \_\_\_\_\_