

Physical Science, A.S.

UVU strives to ensure the accessibility of our catalogs. However, if individuals with disabilities need this document in a different format than provided, you may contact the Assistive Technology Center at ACCESSIBLETECH@uvu.edu or 801-863-6788.

Requirements

Total Program Credits: 60

General Education Requirements:		37 Credits
	ENGL 1010 Introduction to Academic Writing	3
or	ENGL 1005 Literacies and Composition Across Contexts (5)	
	ENGL 2010 Intermediate Writing Academic Writing and Research	3
	MATH 1050 College Algebra	4
or	MATH 1055 College Algebra with Preliminaries (5)	
Complete one of the following:		3
	HIST 2700 US History to 1877 (3)	
and	HIST 2710 US History since 1877 (3)	
	HIST 1700 American Civilization (3)	
	HIST 1740 US Economic History (3)	
	POLS 1000 American Heritage (3)	
	POLS 1100 American National Government (3)	
Complete the following:		
	PHIL 2050 Ethics and Values	3
or	PHIL 205G Ethics and Values (3)	
	HLTH 1100 Personal Health and Wellness	2
or	EXSC 1097 Fitness for Life (2)	
Distribution Courses		
Biology		3
Physical Science: Complete one of the following pair of courses		7
	PHYS 2210 Physics for Scientists and Engineers I (4)	
	PHYS 2220 Physics for Scientists and Engineers II (4)	
or	CHEM 1210 Principles of Chemistry I (4)	
	CHEM 1220 Principles of Chemistry II (4)	
or	GEO 1010 Introduction to Geology (3)	
	CHEM 1210 Principles of Chemistry I (4)	
Humanities Distribution		3
Fine Arts Distribution		3
Social/Behavioral Science		3
Discipline Core Requirements:		11 Credits
Complete one of the following		11
Recommended for students most interested in physics:		
	MATH 1210 Calculus I (4)	
	MATH 1220 Calculus II (4)	

PHYS 2215	Physics for Scientists and Engineers I Lab (1)	
PHYS 2225	Physics for Scientists and Engineers II Lab (1)	
Any 1000 or 2000 level PHYS elective (1)		
Recommended for students most interested in chemistry:		
CHEM 1215	Principles of Chemistry I Laboratory (1)	
CHEM 1225	Principles of Chemistry II Laboratory (1)	
CHEM 2310	Organic Chemistry I (4)	
CHEM 2315	Organic Chemistry I Laboratory (1)	
CHEM 2320	Organic Chemistry II (4)	
CHEM 2325	Organic Chemistry II Laboratory (1)	
Recommended for students most interested in earth science:		
CHEM 1215	Principles of Chemistry I Laboratory (1)	
CHEM 1220	Principles of Chemistry II (4)	
CHEM 1225	Principles of Chemistry II Laboratory (1)	
GEO 1015	Introduction to Geology Laboratory (1)	
GEO 1220	Historical Geology (3)	
GEO 1225	Historical Geology Laboratory (1)	
Elective Requirements:		12 Credits
Complete 12 credits from the following (not to include any course being used to fill one of the requirements above). Consult with an advisor to determine which courses best match your long-term educational and career goals.		12
CHEM 1210	Principles of Chemistry I (4)	
CHEM 1215	Principles of Chemistry I Laboratory (1)	
CHEM 1220	Principles of Chemistry II (4)	
CHEM 1225	Principles of Chemistry II Laboratory (1)	
CHEM 2310	Organic Chemistry I (4)	
CHEM 2315	Organic Chemistry I Laboratory (1)	
CHEM 2320	Organic Chemistry II (4)	
CHEM 2325	Organic Chemistry II Laboratory (1)	
GEO 1010	Introduction to Geology (3)	
GEO 1080	Introduction to Oceanography (3)	
GEO 1220	Historical Geology (3)	
GEO 1225	Historical Geology Laboratory (1)	
GEOG 1000	Introduction to Physical Geography (3)	
MATH 1060	Trigonometry (3)	
MATH 1210	Calculus I (4) (MATH 1060 is a prerequisite for this course.)	
MATH 1220	Calculus II (4)	
MATH 2210	Calculus III (3)	
MATH 2270	Linear Algebra (3)	
MATH 2280	Ordinary Differential Equations (3)	

Physical Science, A.S.

METO 1010	Introduction to Meteorology (3)	
PHYS 2210	Physics for Scientists and Engineers I (4)	
PHYS 2215	Physics for Scientists and Engineers I Lab (1)	
PHYS 2220	Physics for Scientists and Engineers II (4)	
PHYS 2225	Physics for Scientists and Engineers II Lab (1)	
STAT 1040	Principles of Statistics (3)	

Graduation Requirements:

1. Completion of a minimum of 60 semester credits.
2. Overall grade point average of 2.0 (C) or above (departments may require a higher GPA).
3. Residency hours: minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements.

Physical Science, A.S.**Graduation Plan**

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
<i>ENGL 1010 or ENGH 1005</i>	Introduction to Academic Writing or Literacies and Composition Across Context	3
<i>MATH 1050 or MATH 1055</i>	College Algebra or College Algebra with Preliminaries	4
American Institutions	See General Education List	3
Humanities Distribution	See General Education List	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness	2
	Semester total:	15
Semester 2	Course Title	Credit Hours
ENGL 2010	Intermediate Writing Academic Writing and Research	3
Biology Distribution	See General Education List	3
CHEM 1210	Principles of Chemistry I	4
CHEM 1215	Principles of Chemistry I Lab	1
Social/ Behavioral Distribution	See General Education List	3
	Semester total:	14
Semester 3	Course Title	Credit Hours
PHIL 2050 or PHIL 205G	Ethics and Values	3
Elective Requirement	Choose from Elective List*	3
<i>MATH 1210**</i>	Calculus I	4
Fine Arts Distribution	See General Education List	3
	Semester total:	13
Semester 4	Course Title	Credit Hours
<i>MATH 1220</i>	Calculus II	4
<i>PHYS 2210</i>	Physics for Scientists and Engineers I	4
PHYS 2215	Physics for Scientists and Engineers I Lab	1
Elective Requirement	Choose from Elective List*	4
	Semester total:	13
Notes: *CHEM 1220 Principles of Chemistry II, CHEM 2310 Organic Chemistry I, CHEM 2315 Organic Chemistry I Lab, CHEM 2325		

Organic Chemistry II lab, ENGR 2450 Computational Methods for Engineering Analysis, GEO 1010 Introduction to Geology, GEO 1220 Historical Geology, GEO 1080 Introduction to Oceanography, MATH 2210 Calculus III, STAT 2040 Principles of Statistics, MATH 2270 Linear Algebra, MATH 2280 Ordinary Differential Equations, METO 1010 Introduction to Meteorology

Semester 5	Course Title	Credit Hours
PHYS 2220	Physics for Scientists and Engineers II	4
PHYS 2225	Physics for Scientists and Engineers II Lab	1
	Semester total:	5
	Degree total:	60