

This major is designed to prepare students to teach in public schools. In order to graduate with this major, students are required to complete Utah State Office of Education licensing requirements. To view these requirements go to <http://education.bvu.edu/ess/licensing.html> or contact the Education Advisement Center, 350 MCKB, (801) 422-3426.



University Core and Graduation Requirements				Suggested Sequence of Courses			
<b>University Core Requirements:</b>							
<b>Requirements</b>	#Classes	Hours	Classes				
<b>Religion Cornerstones</b>							
Teachings and Doctrine of The Book of Mormon	1	2.0	REL A 275				
Jesus Christ and the Everlasting Gospel	1	2.0	REL A 250				
Foundations of the Restoration	1	2.0	REL C 225				
The Eternal Family	1	2.0	REL C 200				
<b>The Individual and Society</b>							
American Heritage	1-2	3-6.0	from approved list				
Global and Cultural Awareness	1	3.0	SC ED 353*				
<b>Skills</b>							
First Year Writing	1	3.0	from approved list				
Advanced Written and Oral Communications	1	3.0	from approved list				
Quantitative Reasoning	0-1	0-3.0	from approved list				
Languages of Learning (Math or Language)	1-4	3-20.0	from approved list				
<b>Arts, Letters, and Sciences</b>							
Civilization 1	1	3.0	from approved list				
Civilization 2	1	3.0	from approved list				
Arts	1	3.0	from approved list				
Letters	1	3.0	PHIL 423*				
Biological Science	1	3-4.0	from approved list				
Physical Science	2	7.0	CHEM 105* & PHSCS 105*				
Social Science	1	3.0	from approved list				
<b>Core Enrichment: Electives</b>							
Religion Electives	3-4	6.0	from approved list				
Open Electives	Variable	Variable	personal choice				
<b>Graduation Requirements:</b>							
Minimum residence hours required		30.0					
Minimum hours needed to graduate		120.0					
				<b>FRESHMAN YEAR</b>			
				<u>1st Semester</u>			
				First Year Writing	3.0	CHEM 223 (FSp)	4.0
				Quantitative Reasoning	3.0	CHEM 201 (FSp)	0.5
				PHSCS 105	3.0	GEOL 210 (F)	3.0
				PHSCS 107	1.0	CPSE 402	2.0
				Religion Cornerstone course	2.0	PHSCS 137	3.0
				Social Science	3.0	Religion Cornerstone course	2.0
				<b>Total Hours</b>	<b>15.0</b>	SC ED 353	3.0
				<b>Total Hours</b>			
				<u>2nd Semester</u>			
				American Heritage	3.0	Geol 210 Begins meeting before the start of fall semester	
				Biological Science	3.0		
				PHSCS 106 (FWSu)	3.0	<u>6th Semester</u>	
				PHSCS 108 (FWSu)	1.0	PHSCS 310	3.0
				Religion Cornerstone course	2.0	CHEM 331	3.0
				Languages of Learning	3-4.0	PHSCS 167	3.0
				<b>Total Hours</b>	<b>15-16.0</b>	Adv. Written & Oral Communication	3.0
				<b>SOPHOMORE YEAR</b>			
				<u>3rd Semester</u>			
				CHEM 105 (FWSpSu)	4.0	Religion elective (FWSpSu)	2.0
				GEOL 111 (FW)	4.0	IP & T 371	1.0
				PHSCS 127 (FWSpSu)	3.0	IP & T 372	1.0
				Civilization 1	3.0	IP & T 373	1.0
				Religion Cornerstone course	2.0	<b>Total Hours</b>	<b>17.0</b>
				<b>Total Hours</b>	<b>16.0</b>	<b>SENIOR YEAR</b>	
				<u>4th Semester</u>			
				CHEM 106 (FWSpSu)	3.0	<u>7th Semester</u>	
				CHEM 107 (FWSpSu)	1.0	Letters	3.0
				GEOL 112 (W)	4.0	PHY S 377 (FW)	3.0
				Civilization 2 & Arts	3.0	PHY S 378	1.0
				PHY S 276	4.0	SC ED 375	3.0
				Religion elective (FWSpSu)	2.0	Requirement 2 elective	3-4.0
				<b>Total Hours</b>	<b>17.0</b>	Religion elective (FWSpSu)	2.0
				<b>Total Hours</b>			
				<u>8th Semester</u>			
				PHY S 476 or 496 (FW)			
				<b>Total Hours</b>			
				<b>12.0</b>			
				Note: The sequence of courses suggested may not fit the circumstances of every student. Students should contact their college advisement center for help in outlining an efficient schedule.			
				Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.			

## BS in Physical Science Education (690128)

### 2021-2022 Program Requirements (80.5 - 81.5 Credit Hours)

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*For students accepted into the major after December 16, 2019, grades below C in any required coursework in a teaching major or teaching minor will not be accepted. Teacher candidates must maintain a cumulative GPA of 2.7 or higher once admitted into the program and to qualify for student teaching. For additional details on admission and retention requirements for teaching majors and teaching minors, see Educator Preparation Program Requirements in the Undergraduate Catalog.*

**REQUIREMENT 1** Complete 17 courses

**NOTE FOR GEOL 210: CONTACT GEOLOGICAL SCIENCES DEPARTMENT (S-389 ESC) BEFORE APRIL 15TH FOR DATES OF UPCOMING AUGUST FIELD TRIP.**

CHEM 105 - General College Chemistry 1 with Lab (Integrated)	4.0
CHEM 106 - General College Chemistry 2	3.0
CHEM 107 - General College Chemistry Laboratory	1.0
CHEM 201 - Chemical Handling and Safe Laboratory Practices	0.5
CHEM 223 - Quantitative and Qualitative Analysis	4.0
CHEM 331 - Guided Learning for Chemistry Instruction	3.0
GEOL 111 - Physical Geology	4.0
GEOL 112 - Historical Geology	4.0
GEOL 210 - Field Studies	3.0
PHSCS 105 - General Physics 1	3.0
PHSCS 106 - General Physics 2	3.0
PHSCS 107 - General Physics Lab 1	1.0
PHSCS 108 - General Physics Lab 2	1.0
PHSCS 127 - Descriptive Astronomy	3.0
PHSCS 137 - (Not currently offered)	
PHSCS 167 - Descriptive Acoustics of Music and Speech	3.0
PHSCS 310 - Physics By Inquiry: Mechanics	3.0

**REQUIREMENT 2** Complete 1 course

GEOL 100 - Dinosaurs	3.0
GEOL 351 - Mineralogy	4.0
GEOL 370 - Sedimentology and Stratigraphy	3.0
GEOL 480 - Paleontology	3.0

\*PHIL 423R - History and Philosophy of Science 3.0

**REQUIREMENT 3** Complete 2 options

**PROFESSIONAL EDUCATION COMPONENT:**

*Licensure requirements: Contact the Education Advisement Center, 350 MCKB, 801-422-3426, to schedule the exit interview to clear your application for the secondary teaching license. You should be registered for your last semester at BYU prior to the scheduled appointment.*

**OPTION 3.1** Complete 9 courses

CPSE 402 - Educating Students with Disabilities in Secondary Classroom	2.0
IP&T 371 - Integrating K-12 Educational Technology 1	1.0
IP&T 372 - Integrating K-12 Educational Technology 2	1.0
IP&T 373 - Teaching in K-12 Online and Blended Learning Contexts	1.0
PHY S 276 - Exploration of Teaching	4.0
PHY S 377 - Teaching Methods and Instruction	3.0
PHY S 378 - Practicum in Secondary Education	1.0
*SC ED 353 - Multicultural Education for Secondary Education	3.0
SC ED 375 - Adolescent Development and Classroom Management	3.0

**Note: FBI fingerprint and background clearance must be completed prior to enrollment in Phy S 276.**

**OPTION 3.2** Complete 12.0 hours from the following course(s)

**APPLY FOR STUDENT TEACHING/INTERNSHIP ONE SEMESTER IN ADVANCE BY SEPTEMBER 30 OR JANUARY 31ST. APPLICATIONS ARE ONLINE AT [WWW.BYU.EDU/FIELDSERVICES.HTML](http://WWW.BYU.EDU/FIELDSERVICES.HTML).**

PHY S 476 - Secondary Student Teaching	12.0v
PHY S 496 - Academic Internship: Secondary Education	12.0v

**Student teachers/interns must complete all required EPP assessments and paperwork in the Educator system.**

#### THE DISCIPLINE:

The Department of Teacher Education provides a program that licenses secondary teachers for public schools. In addition to content courses in the field(s) in which they plan to teach, students complete professional education courses and practicum experiences that prepare them to teach in a secondary school setting.

#### CAREER OPPORTUNITIES:

Secondary education teacher.

#### MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

#### ADVISEMENT CENTER INFORMATION

##### Physical and Mathematical Sciences College Advisement Center

Brigham Young University

N-181 ESC

Provo, UT 84602

Telephone: (801) 422-2674