



BS in TEACHING PHYSICAL SCIENCE (690128) MAP Sheet

College of Physical and Mathematical Sciences

For students entering the degree program during the 2016–2017 curricular year.

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.byu.edu/ess/licensing.html> or contact Education Student Services, 350 MCKB, (801) 422-3426.

UNIVERSITY CORE AND GRADUATION REQUIREMENTS				PROGRAM REQUIREMENTS (77.5–78.5 total hours)	
UNIVERSITY CORE REQUIREMENTS				For students accepted into the major after August 1, 2014, grades below C in any required coursework in a teaching major or teaching minor will not be accepted. Teacher candidates must maintain a total GPA of 3.0 or higher throughout the program and to qualify for student teaching. For details on admission and retention requirements for teaching majors and teaching minors, see Educator Preparation Program (EPP) Requirements.	
<u>Requirements</u>	<u>#Classes</u>	<u>Hours</u>	<u>Classes</u>		
Religion Cornerstones				Complete the teacher licensure requirements: Contact Education Student Services (350 MCKB, 801-422-3426) to schedule the final interview to clear your application for the secondary teacher license. You should be registered for your last semester at BYU prior to the scheduled appointment.	
Teachings and Doctrine, Book of Mormon	1	2.0	Rel A 275		
Jesus Christ & the Everlasting Gospel	1	2.0	Rel A 250	Complete the Professional Education Component: CPSE 402 Educating Students with Disabilities 2.0 IP&T 286 Instructional Technology in Teaching 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 2.0 Sc Ed 375 Adolescent Development & Classroom Management 3.0	
Foundations of the Restoration	1	2.0	Rel C 225		
The Eternal Family	1	2.0	Rel C 200	Note: FBI fingerprint and background clearance must be completed prior to enrollment in Phy S 276.	
The Individual and Society					
Citizenship				And complete 12 hours of the following: Phy S 476R Secondary Student-Teaching 12.0V Phy S 496 Academic Internship 12.0V	
American Heritage	1–2	3–6.0	from approved list		
Global & Cultural Awareness	1	3.0	Sc Ed 353*	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Skills					
Effective Communication				Complete the following: Bio 100* Principles of Biology 3.0 Chem 105* General College Chemistry 4.0 Chem 106 General College Chemistry 3.0 Chem 107 General College Chemistry Lab 1.0 Chem 201 Chemical Handling & Safe Lab Prac 0.5 Chem 223 Quantitative & Qualitative Analysis 4.0 Chem 351 Organic Chemistry 1 3.0 Geol 111 Physical Geology 4.0 Geol 112 Historical Geology 4.0 Geol 210 Field Studies 3.0 Phil 423* History and Philosophy of Science 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 167 Descriptive Acoustics of Music and Speech 3.0	
First-Year Writing	1	3.0	from approved list		
Adv Written & Oral Communication	1	3.0	from approved list	Complete the following: Bio 100* Principles of Biology 3.0 Chem 105* General College Chemistry 4.0 Chem 106 General College Chemistry 3.0 Chem 107 General College Chemistry Lab 1.0 Chem 201 Chemical Handling & Safe Lab Prac 0.5 Chem 223 Quantitative & Qualitative Analysis 4.0 Chem 351 Organic Chemistry 1 3.0 Geol 111 Physical Geology 4.0 Geol 112 Historical Geology 4.0 Geol 210 Field Studies 3.0 Phil 423* History and Philosophy of Science 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 167 Descriptive Acoustics of Music and Speech 3.0	
Quantitative Reasoning	0–1	0–3.0	from approved list		
Languages of Learning (Math or Language)	1–4	3–20.0	from approved lists	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Arts, Letters, and Sciences					
Civilization 1 and 2	2	6.0	from approved list	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Arts	1	3.0	from approved list		
Letters	1	3.0	Phil 423*	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Scientific Principles & Reasoning					
Biological Science	1	3.0	Biol 100*	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Physical Science	2	7.0	Chem 105* & Phscs 105*		
Social Science	1	3.0	from approved list	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Core Enrichment: Electives					
Religion Electives	3–4	6.0	from approved list	Complete one course from the following: Geol 100 Dinosaurs 3.0 Geol 351 Mineralogy 4.0 Geol 370 Sedimentology and Stratigraphy 3.0 Geol 480 Paleontology 3.0 Phscs 137 Severe and Hazardous Weather 3.0	
Open Electives	Variable	Variable	personal choice		
GRADUATION REQUIREMENTS:					
Minimum residence hours required		30.0			
Minimum hours needed to graduate		120.0			

***THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (15 hours overlap)**

FOR UNIVERSITY CORE OR MAJOR QUESTIONS CONTACT THE ADVISEMENT CENTER
 Physical and Mathematical Sciences College Advisement Center
 N-181 ESC
 Brigham Young University, Provo, UT 84602
 Telephone: (801) 422-2674

FACULTY ADVISOR:
 Duane Merrell
 N-143 ESC
 Brigham Young University, Provo, UT 84602
 Telephone: (801) 422-2255

BS in TEACHING PHYSICAL SCIENCE (690128)
2016–2017

Suggested Sequence of Courses:

FRESHMAN YEAR

1st Semester

First Year Writing or A Htg 100	3.0
Quantitative Reasoning	3.0
Phscs 105	3.0
Phscs 107	1.0
Religion Cornerstone course	2.0
Global & Cultural Awareness	3.0
Total Hours	15.0

2nd Semester

First-Year Writing or A Htg 100	3.0
Bio 100 (FWSu)	3.0
Phscs 106 (FWSu)	3.0
Phscs 108 (FWSu)	1.0
Religion Cornerstone course	2.0
Languages of Learning	3-4.0
Total Hours	15-16.0

SOPHOMORE YEAR

3rd Semester

Chem 105 (FWSpSu)	4.0
Geol 111 (FW)	4.0
Phscs 127 (FWSpSu)	3.0
Civilization 1	3.0
Religion Cornerstone course	2.0
Total Hours	16.0

4th Semester

Chem 106 (FWSpSu)	3.0
Chem 107 (FWSpSu)	1.0
Geol 112 (W)	4.0
Civilization 2 & Arts	3.0
Social Science	3.0
Religion elective (FWSpSu)	2.0
Total Hours	16.0

JUNIOR YEAR

5th Semester

Chem 223 (FSp)	4.0
Chem 201 (FSp)	0.5
Geol 210 (F)	3.0
(Begins meeting before the start of fall semester)	
Phy S 276R	4.0
IP&T 286 (FWSpSu)	1.0
Religion Cornerstone course	2.0
General electives	1.5
Total Hours	16.0

6th Semester

Chem 351 (FWSp)	3.0
CPSE 402	2.0
Phscs 167 (FW)	3.0
Sc Ed 353	2.0
Adv. Written & Oral Communication	3.0
Religion elective (FWSpSu)	2.0
Total Hours	15.0

SENIOR YEAR

7th Semester

Phil 423 (FSpSu)	3.0
Phy S 377R (FW)	3.0
Phy S 378	1.0
Sc Ed 375	3.0
Phscs elective	3-4.0
Religion elective (FWSpSu)	2.0
Total Hours	15-16.0

8th Semester

Sc Ed 476R or 496R (FW)	12.0
Total Hours	12.0

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.

This handout is not a contract between Brigham Young University and present or prospective students. Although the university makes every effort to ensure the accuracy of this information, it reserves the right to make changes as university business may require. Students should regularly consult their department or college advisement center.

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.