

# PHYSICS: SECONDARY TEACHER CERTIFICATION, BS

## Example Plan of Study

### Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
First Year Seminar		1
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	4
CHEM 1314	Chemistry I (LN)	4
MATH 2144	Calculus I (A)	4
SMED 1012	Inquiry Approaches to Teaching	2
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CHEM 1515	Chemistry II (LN)	5
MATH 2153	Calculus II (A)	3
PHYS 2014	University Physics I (LN)	4
General Education courses		3
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
MATH 2163	Calculus III	3
PHYS 2114	University Physics II (LN)	4
General Education courses		11
<b>Hours</b>		<b>18</b>
<b>Spring</b>		
MATH 2233	Differential Equations	3
PHYS 2203	University Physics III	3
PHYS 3513	Mathematical Physics	3
SMED 3013	Knowing and Learning in Mathematics and Science	3
SPED 3202	Educating Exceptional Learners (D)	2
General Education or Electives		3
<b>Hours</b>		<b>17</b>
<b>Junior</b>		
<b>Fall</b>		
CIED 3313	Field Experience in the Secondary Schools	3
PHIL 3933	Creation and Evolution	3
PHYS 3013	Mechanics I	3
PHYS 3323	Modern Laboratory Methods I	3
PHYS 3713	Modern Physics	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
PHYS 3623	Modern Laboratory Methods II	3
SMED 4611	Authentic Research in the Science Classroom	1
SMED 4613	Teaching the Nature of Science Through an Inquiry Approach	3
Major, College, and Elective courses		9
<b>Hours</b>		<b>16</b>

### Senior

#### Fall

PHYS 4113	Electricity and Magnetism	3
STAT 4013	Statistical Methods I (A)	3
SMED 4023	Problem-Based Learning in Mathematics and Science	3
SMED 4713	Teaching and Learning Science in the Secondary School	3
Major, College, or Elective		3

**Hours 15**

#### Spring

CIED 4720	Internship in the Secondary Classroom	6
SMED 4723	Senior Seminar in Secondary Mathematics and Science Education	3

**Hours 9**

**Total Hours 120**