

# Bachelor of Science in PHYSICS TEACHING



**WEBER STATE**  
UNIVERSITY

## Graduation MAP

This is a suggested plan. Meet with an academic advisor to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.

Catalog Year 2017-2018: MATH 1210 Placement

NAME: \_\_\_\_\_

| <input checked="" type="checkbox"/> | Course  | Credit Hour | Semester Offered     | Milestones & Notes   |
|-------------------------------------|---|-------------|----------------------|--|
| <b>Freshman (Semester 1)</b>        |   |             |                      |  |
|                                     | PHYS PS2210, Physics for Scientists & Engineers I | 5           | Fall, Spring         | <ul style="list-style-type: none"> <li>For all semesters: See required "Education Support Courses" for best Gen Ed options. These include CHF SS/DV1500 or PSY 3140; COMM HU1020 or COMM HU2110</li> </ul>   |
|                                     | MATH 1210, Calculus I                             | 4           | Fall, Spring, Summer |  |
|                                     | MATH 1200, Mathematics Computer Laboratory        | 1           | Fall, Spring         |  |
|                                     | Gen Ed / Support Courses                          | 6           |                      |  |
|                                     |   |             |                      |  |
|                                     | <b>Total Semester Credits</b>                     | <b>16</b>   |                      |  |
| <b>Freshman (Semester 2)</b>        |   |             |                      |  |
|                                     | PHYS 2220, Physics for Scientists & Engineers II  | 5           | Fall, Spring         | <ul style="list-style-type: none"> <li></li> </ul>   |
|                                     | MATH 1220, Calculus II                            | 4           | Fall, Spring, Summer |  |
|                                     | EDUC 1010, Exploring Teaching                     | 3           | Fall, Spring, Summer |  |
|                                     | PHYS PS1040, Elementary Astronomy                 | 3           | Fall, Spring         |  |
|                                     |   |             |                      |  |
|                                     | <b>Total Semester Credits</b>                     | <b>15</b>   |                      |  |
| <b>Freshman (Optional)</b>          |   |             |                      |  |
|                                     |   |             |                      | <ul style="list-style-type: none"> <li></li> </ul>   |
|                                     |   |             |                      |  |
|                                     |   |             |                      |  |
|                                     | <b>Total Semester Credits</b>                     |             |                      |  |
| <b>Sophomore (Semester 3)</b>       |   |             |                      |  |
|                                     | Physics Elective                                  | 3           | Fall, Spring         | <ul style="list-style-type: none"> <li>Students should consider additional coursework in a teaching minor. Though it is not required, math, chemistry, earth science and other coursework round out complementary teaching credentials.</li> </ul> |
|                                     | HIST 3350, History & Philosophy of Science        | 3           | Fall, Spring         |  |
|                                     | PHYS 2600, Lab Safety                             | 1           | Fall, Spring         |  |
|                                     | PHYS 2710, Modern Physics                         | 3           | Fall                 |  |
|                                     | Minor / Gen Ed / Electives                        | 6           |                      |  |
|                                     | <b>Total Semester Credits</b>                     | <b>16</b>   |                      |  |
| <b>Sophomore (Semester 4)</b>       |   |             |                      |  |
|                                     | Physics Elective                                  | 3           | Fall, Spring         | <ul style="list-style-type: none"> <li></li> </ul>   |
|                                     | PHYS 3570, Foundations of Science Education       | 3           | Spring               |  |
|                                     | Minor / Gen Ed / Electives                        | 10          |                      |  |
|                                     |   |             |                      |  |
|                                     |   |             |                      |  |
|                                     | <b>Total Semester Credits</b>                     | <b>16</b>   |                      |  |
| <b>Sophomore (Optional)</b>         |   |             |                      |  |
|                                     |   |             |                      | <ul style="list-style-type: none"> <li></li> </ul>   |
|                                     |   |             |                      |  |
|                                     |   |             |                      |  |
|                                     | <b>Total Semester Credits</b>                     |             |                      |  |

| <input checked="" type="checkbox"/> | Course  | Credit Hours    | Semester Offered     | Milestones & Notes  |
|-------------------------------------|---|-----------------|----------------------|---|
| <b>Junior (Semester 5)</b>          |   |                 |                      |   |
|                                     | Physics Elective  | 3               | Fall                 | <ul style="list-style-type: none"> <li>Plan application for Teaching Education program</li> <li>Some take 4570 alongside Teacher Education coursework in the fall of the senior year</li> </ul> |
|                                     | PHYS 4570, Secondary Science Teaching Methods                           | 3               | Fall                 |   |
|                                     | Physics Elective  | 3-4             |                      |   |
|                                     | Minor / Gen Ed / Electives  | 6-7             |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   | <b>15-18</b>    |                      |   |
| <b>Junior (Semester 6)</b>          |   |                 |                      |   |
|                                     | PHYS 4800, Independent Research   | 1               | Fall, Spring, Summer | <ul style="list-style-type: none"> <li>Independent Research must be planned in collaboration with advisor and a faculty member to meet program requirements</li> </ul>                          |
|                                     | Minor / Gen Ed / Electives  | 15              |                      |   |
|                                     |   |                 |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   | <b>16</b>       |                      |   |
| <b>Junior (Optional)</b>            |   |                 |                      |   |
|                                     |   |                 |                      | <ul style="list-style-type: none"> <li></li> </ul>  |
|                                     |   |                 |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   |                 |                      |   |
| <b>Senior (Semester 7)</b>          |   |                 |                      |   |
|                                     | Teacher Education "Professional Core" Courses                           | 12              | Fall, Spring         | <ul style="list-style-type: none"> <li>See catalog for current courses in Teacher Education</li> </ul>  |
|                                     | PHYS 4990, Seminar in Physics   | 1               | Fall, Spring         |   |
|                                     |   |                 |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   | <b>13</b>       |                      |   |
| <b>Senior (Semester 8)</b>          |   |                 |                      |   |
|                                     | Teacher Education "Clinical Practice courses (i.e., "Student Teaching") | 12              | Fall, Spring         | <ul style="list-style-type: none"> <li>See catalog for current courses in Teacher Education</li> </ul>  |
|                                     |   |                 |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   | <b>12</b>       |                      |   |
| <b>Senior (Optional)</b>            |   |                 |                      |   |
|                                     |   |                 |                      | <ul style="list-style-type: none"> <li></li> </ul>  |
|                                     |   |                 |                      |   |
|                                     |   |                 |                      |   |
|                                     | <b>Total Semester Credits</b>   |                 |                      |   |
|                                     | <b>Total Bachelor Credits</b>   | <b>119-122*</b> |                      |   |

**Gen Ed Breadth Requirements (do not duplicate departments)**

|   |                             |                                   |
|---|-----------------------------|-----------------------------------|
| <input type="checkbox"/> HU   | <input type="checkbox"/> CA | <input type="checkbox"/> HU or CA |
| <input type="checkbox"/> SS   | <input type="checkbox"/> SS |                                   |
| <input type="checkbox"/> PS   | <input type="checkbox"/> LS | <input type="checkbox"/> PS or LS |
| <input type="checkbox"/> DV ( <b>Double dip with Breadth course</b> ) |                             |                                   |

**Avoid misadvisement!** Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

**Notes:**

- **\*NEED 120 CREDIT HOURS TO GRADUATE**
- **NEED 40 UPPER DIVISION CREDIT HOURS TO GRADUATE**