

# Bachelor of Science in PHYSICS (Traditional Option)



## 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.

**WEBER STATE**  
UNIVERSITY

Catalog Year 2020-2021: MATH 1010 Placement

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

<input checked="" type="checkbox"/>	Course	Credit Hour	Semester Offered	Milestones & Notes
Freshman (Fall Semester 1)				
	MATH 1010 Intermediate Algebra	4	F, Sp, Su	•
	CHEM 1200 Preparation for College Chemistry	3	F, Sp, Su	
	ENGL 1010 Introductory College Writing	3	F, Sp, Su	
	General Education	3		
	<b>Total Semester Credits</b>	<b>13</b>		
Freshman (Spring Semester 2)				
	MATH 1080 QL Pre-calculus	5	F, Sp, Su	•
	ENGL 2010 EN Intermediate College Writing	3	F, Sp, Su	
	LIBS 1504 Information Literacy Competency Exam -or- LIBS 1704 Information Navigator	1	F, Sp, Su	
	CHEM 1210 PS Principles of Chemistry I	5	F, Sp, Su (B1)	
	<b>Total Semester Credits</b>	<b>14</b>		
Freshman (Summer Semester)				
	MATH 1210 Calculus I	4	F, Sp, Su	•
	General Education	3		
	<b>Total Semester Credits</b>	<b>7</b>		
Sophomore (Fall Semester 3)				
	PHYS 2210 PS Physics for Scientists & Engineers I	5	F, Sp	•
	CHEM 1220 Principles of Chemistry II	5	F, Sp, Su (B2)	
	MATH 1200 Mathematics Computer Laboratory	1	F, Sp	
	MATH 1220 Calculus II	4	F, Sp, Su	
	<b>Total Semester Credits</b>	<b>15</b>		
Sophomore (Spring Semester 4)				
	PHYS 2220 Physics for Scientists & Engineers II	5	F, Sp	• †May take during Summer Semester, if offered (check with Math Dept).
	MATH 2210 Calculus III	4	F, Sp, Su	
	MATH 2270 Elementary Linear Algebra†	3	F, Sp, Su	
	General Education	3		
	<b>Total Semester Credits</b>	<b>15</b>		
Sophomore (Optional)				
				•
	<b>Total Semester Credits</b>			

<input checked="" type="checkbox"/>	Course	Credit Hours	Semester Offered	Milestones & Notes
Junior (Fall Semester 5)				
	PHYS 2300 Computational Physics	3	F	•
	PHYS 2710 Modern Physics	3	F	
	PHYS 3190 Applied Optics -or- PHYS 3410 Electronics for Scientists	3-4	F (odd years only) F	
	General Education	6		
	<b>Total Semester Credits</b>	<b>15-16</b>		
Junior (Spring Semester 6)				
	PHYS 3710 Nuclear & Particle Physics	3	Sp (odd years only)	• †May take during Summer Semester, if offered (check with Math Dept).
	MATH 2280 Ordinary Differential Equations†	3	F, Sp	
	PHYS 3180 Thermal Physics	3	Sp	
	PHYS 3540 Mechanical & Electromagnetic Waves	3	Sp	
	General Education	6		
	<b>Total Semester Credits</b>	<b>18</b>		
Junior (Optional)				
				•
	<b>Total Semester Credits</b>			
Senior (Fall Semester 7)				
	PHYS 3500 Analytical Mechanics	3	F	• **Need 40 Upper Division (3000-level or higher) credit hours to graduate. Consider ENGL 3100 (Professional & Technical Writing) if offered.
	PHYS 3510 Electromagnetic Theory	3	F	
	MATH 3710 Boundary Value Problems	3	F	
	**Upper Division Electives	6		
	<b>Total Semester Credits</b>	<b>15</b>		
Senior (Spring Semester 8)				
	PHYS 4990 Seminar in Physics	1	F, Sp	• **Need 40 Upper Division (3000-level or higher) credit hours to graduate. Consider ENGL 3100 (Professional & Technical Writing) if offered.
	PHYS 4610 Quantum Mechanics	3	Sp	
	PHYS 4400 Advanced Lab	2	Sp	
	**Upper Division Electives	7		
	<b>Total Semester Credits</b>	<b>13</b>		
Senior (Optional)				
				•
	<b>Total Semester Credits</b>			
	<b>Total Bachelor Credits</b>	<b>125-126</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 (Double dip with breadth course)		

**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).

**Revision Date: 05/17/18**

**Notes:**