

“W” Number: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Advisor Name: \_\_\_\_\_

**Catalog: 2021-2022 University of Wyoming Catalog**  
**Program: Physics, B.S.**

## Physics, B.S.

### Required Courses

Students in the Bachelor of Science in Physics major program are required to complete the following courses:

Course Name	Credits:	Term Taken	Grade	Gen Ed
PHYS1210 - Engineering Physics I	Credits: 4			
<b>OR</b>				
PHYS1310 - College Physics I	Credits: 4			
PHYS1220 - Engineering Physics II	Credits: 4			
<b>OR</b>				
PHYS1320 - College Physics II	Credits: 4			
PHYS2310 - Physics III: Waves and Optics	Credits: 4			
PHYS2320 - Physics IV: Modern Physics	Credits: 3			
PHYS3000 - Methods of Physics	Credits: 4			
PHYS3640 - Modern Electronics and Experimental Techniques	Credits: 4			
PHYS3650 - Advanced Lab in Modern Physics and Electronics	Credits: 4			
PHYS4210 - Classical Mechanics I	Credits: 3			
PHYS4310 - Quantum Mechanics	Credits: 3			
PHYS4410 - Electricity and Magnetism I	Credits: 3			
PHYS4420 - Electricity and Magnetism II	Credits: 3			
PHYS4510 - Thermodynamics and Statistical Mechanics	Credits: 3			
PHYS4830 - Mathematical and Computational Physics I	Credits: 3			
PHYS4840 - Mathematical and Computational Physics II	Credits: 4			
MATH2200 - Calculus I	Credits: 4			
MATH2205 - Calculus II	Credits: 4			
MATH2210 - Calculus III	Credits: 4			
MATH2250 - Elementary Linear Algebra	Credits: 3			
MATH2310 - Applied Differential Equations I	Credits: 3			

### Electives

- Students are required to take at least 3 hours of electives from any PHYS 4000- or 5000-level course.

### Notes: