

**PHYSICS (7-12)**  
**LICENSURE REQUIREMENTS**  
**ADVISING FORM/CHECKLIST**

Name _____	Date _____
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<b>EDUCATION COURSES</b>	
<input type="checkbox"/> EDUC 110 The Role of the School <input type="checkbox"/> EDUC 251 Psychological Foundations of Education <input type="checkbox"/> EDUC 367 Secondary Methods: Science (0.5) <input type="checkbox"/> EDUC 369 Field Practicum: Secondary (0.5) <input type="checkbox"/> EDUC 370 Secondary Teaching: Knowledge and Practice <input type="checkbox"/> *EDUC 377 Teaching Workshop: Supporting & Extending the Learning (0.5) <input type="checkbox"/> *EDUC 471-473 Student Teaching: Secondary and Prek-12 <input type="checkbox"/> *EDUC 474 Being & Becoming a Professional: Secondary & PreK-12 Student Teaching Seminar (0.5) *Concurrent enrollment during student teaching seminar.	

<b>PHYSICS AND CHEMISTRY COURSES</b>	
<input type="checkbox"/> CHEM 110 General Chemistry I and Lab (1.25) <input type="checkbox"/> PHYS 110C General Physics for Physical Science Majors I <input type="checkbox"/> PHYS 110L General Physics Laboratory I (.25) <input type="checkbox"/> PHYS 111C General Physics for Physical Science Majors II <input type="checkbox"/> PHYS 111L General Physics Laboratory II (.25) <input type="checkbox"/> PHYS 280 Contemporary Physics <input type="checkbox"/> <b>CHOOSE AT LEAST ONE OF THE FOLLOWING:</b> <input type="checkbox"/> PHYS 310 Mechanics <b>OR</b> <input type="checkbox"/> PHYS 320 Thermal & Statistical Physics <b>OR</b> <input type="checkbox"/> PHYS 360 Electromagnetic Theory <input type="checkbox"/> <b>CHOOSE AT LEAST ONE OF THE FOLLOWING:</b> (Permission of Instructor is Required) <input type="checkbox"/> PHYS 275 Electronics & Instrumentation I (1.25) <b>OR</b> <input type="checkbox"/> PHYS 345 Advanced Physics Lab (1.25) <input type="checkbox"/> <b>CHOOSE AT LEAST ONE OF THE FOLLOWING:</b> <input type="checkbox"/> BOMI/ZOOL 122 Organisms and their Environment (1.25) <b>OR</b> <input type="checkbox"/> BOMI/ZOOL 120 Introduction to Cell Biology (1.25) <b>OR</b> <input type="checkbox"/> BOMI 125 Introduction to Microbiology and Lab (1.25) <b>OR</b> <input type="checkbox"/> BOMI 233 Ecology and the Human Future <b>OR</b> <input type="checkbox"/> ZOOL 102 Genes, Evolution and Society and Lab (1.25) <input type="checkbox"/> <b>CHOOSE AT LEAST ONE OF THE FOLLOWING:</b> <input type="checkbox"/> ASTR 110 Elementary Astronomy <b>OR</b> <input type="checkbox"/> ASTR 111 The Astronomical Universe and Lab (1.25) <b>OR</b> <input type="checkbox"/> GEOL 110 Physical and Environmental Geology	

<b>ADDITIONAL COURSES</b>	
<input type="checkbox"/> MATH 110 Calculus I <input type="checkbox"/> MATH 111 Calculus II <input type="checkbox"/> *DIVERSITY COURSES (2) * <i>Students seeking teaching licenses must complete two unit courses with a substantial focus on non-Euro-American topics.</i>	

**PLEASE NOTE:**

1. *Students also must complete the state-mandated examinations for licensure.*
2. *In order to graduate from OWWU, students must declare an academic major and meet the requirements. Licensure requirements may differ from the requirements for the major.*

*Each course is 1 unit or 3.75 semester hours, unless otherwise specified.* Revised 11/2011