

**INTEGRATED MATHEMATICS (7-12)**  
**DOUBLE MAJOR IN MATH AND ADOLESCENCE TO YOUNG ADULT EDUCATION**  
**LICENSURE REQUIREMENTS**  
**ADVISING CHECKLIST**

<b>Required Education Courses</b> <input type="checkbox"/> EDUC 110 The Role of the School (fall and spring) <input type="checkbox"/> EDUC 251 Psychological Foundations of Education w/ lab (1.25) (fall and spring) <input type="checkbox"/> EDUC 255 Inclusive Classroom Management (spring only) <input type="checkbox"/> EDUC 350 Middle School & Secondary Teaching Methods (spring only) <input type="checkbox"/> EDUC 359 Middle School & Secondary Field Practicum (0.5) (fall only) <input type="checkbox"/> EDUC 365 Secondary Methods: Math (0.5) (fall only) <input type="checkbox"/> EDUC 377 Content Area Literacy (fall only) <input type="checkbox"/> EDUC 492 AYA/MA Student Teaching (3.0) (spring only) <input type="checkbox"/> EDUC 499 Student Teaching Seminar (spring only)	
<b>Math Courses</b> * <i>Math majors need 9 MATH courses not counting MATH 110 and CS 110.</i> <input type="checkbox"/> MATH 110 Calculus I <input type="checkbox"/> MATH 111 Calculus II <input type="checkbox"/> MATH 210 Multivariable Calculus <input type="checkbox"/> MATH 230 Applied Statistics <input type="checkbox"/> MATH 250 Discrete Mathematics <input type="checkbox"/> MATH 270 Linear Algebra <input type="checkbox"/> MATH 320 Geometry <input type="checkbox"/> MATH 370 Abstract Algebra I <input type="checkbox"/> CS 110 Introduction to Computer Science & Programming <input type="checkbox"/> First Elective MATH course (numbered 230 and above) <input type="checkbox"/> Second Elective MATH course (numbered 230 and above)	
<b>Core Competencies Recommended Courses (select 1 unit from each competency)</b> <i>*No more than 2 Competency courses can come from the same prefix (i.e. no more than 2 EDUC courses can count for your Competency credits)</i> <b>Act Responsibly (AR)</b> <input type="checkbox"/> Free Choice <b>Engage Diversity (ED)</b> <input type="checkbox"/> Free Choice <b>Examine Power &amp; Inequities (EPI)</b> <input type="checkbox"/> EDUC 110 The Role of the School (fall and spring) <b>Learn a Second Language (LSL)</b> <input type="checkbox"/> Level II of any Language Course <b>Listen, Imagine, &amp; Understand (LIU)</b> <input type="checkbox"/> Free Choice <b>Question Scientifically (QS)</b> <input type="checkbox"/> Free Choice <b>Reason Formally &amp; Quantitatively (RFQ)</b> <input type="checkbox"/> CS 110 Introduction to Computer Science & Programming <input type="checkbox"/> MATH 110 Calculus I <input type="checkbox"/> MATH 111 Calculus II <input type="checkbox"/> MATH 230 Applied Statistics <b>Think Aesthetically (TA)</b> <input type="checkbox"/> Free Choice <b>Write &amp; Speak Effectively (WSE)</b> <input type="checkbox"/> EDUC 377 Content Area Literacy (fall only)	<div style="text-align: center;"><b><u>Other Requirements</u></b></div> <input type="checkbox"/> CNX 100 How to Change Your World <input type="checkbox"/> ENG 105 College Writing Seminar <input type="checkbox"/> Connection Experience (Student teaching)  <b>Please Note:</b>  <ol style="list-style-type: none"> <li>1. Students also must complete the state-mandated examinations for licensure.</li> <li>2. In order to graduate from OWU, students must declare an academic major and meet the requirements set by their major department. Licensure requirements may differ from the requirements for the major.</li> </ol>

*Each course is 1 unit or 3.70 semester hours, unless otherwise specified.*