

# INTEGRATIVE STUDIES: SECONDARY MATH

Secondary Mathematics (Grades 6-12) Licensure  
 Bachelor of Science in Education  
 Department of Instruction and Curriculum Leadership

Welcome to the Integrative Studies: Secondary Mathematics program (ITGS-SMAT). This program leads to a BSED degree and TN teaching licensure in Secondary Math (6-12). This program sheet is a guide for selecting and sequencing courses required in the ITGS-SMAT program. You are responsible for knowing and meeting the requirements of your degree. Please verify all courses and degree guidelines with an advisor. **Advising Appointments can be scheduled with the College of Education's undergraduate Academic Counselor by going to <https://memphis.campus.eab.com/> or by calling the Office of Teacher Education & Clinical Practice at 901-678-2377.**

In addition to the courses listed below, you must also complete the following requirements:

- **ACT Composite Score of 21 OR Praxis Core Academic Skills Test for Educators:** Students must pass all portions of the PRAXIS Core Academic Skills Test for Educators (CORE) unless the candidate has an Enhanced ACT score of 21 or above or a combined score of 1020 or above on the SAT.
- **Teacher Education Program (TEP):** Students must be provisionally admitted to TEP by the end of the sophomore year and fully admitted to by the end of junior year. You must have a 2.75 overall GPA to be fully admitted to TEP and move on to Residency I.
- **Licensure Exams:** Candidates are required to pass Praxis II exams to be licensed to teach in TN. For registration information, costs, and more details, go to [www.ets.org/praxis/tn/requirements](http://www.ets.org/praxis/tn/requirements).
- **edTPA:** All candidates obtaining a BSED and a TN teaching license must complete the Professional Seminar (ICL 4800). **Each candidate must complete and pass a nationally scored teacher performance assessment: edTPA.**

**Note: (1) Students must earn a C- (or above) in all coursework specific to their major.** The UofM's General Education policy requires all students to earn a minimum of a C- in both ENGL 1010 and ENGL 1020. Courses with a minimum grade requirement are indicated below by a single asterisk \*. (2) All courses printed in **BOLD** type require admission to TEP.

Suggested Course Sequence	Requirements Timeline
<p><u>Freshman I – 15 Credits</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ENGL 1010: English Composition I</li> <li><input type="checkbox"/> MATH 1530: Probability/Statistics</li> <li><input type="checkbox"/> POLS 1030: American Government</li> <li><input type="checkbox"/> Fine Art**</li> <li><input type="checkbox"/> Humanities**</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Begin studying for and taking the Praxis CORE exam (if ACT is below 21 composite).</b></li> <li>• Please access Praxis Resources <a href="#">here</a>. <b>Please contact Ms. Ayanna Perkins at <a href="mailto:prkins10@memphis.edu">prkins10@memphis.edu</a></b> for additional resources and supports.</li> <li>• Follow us on Twitter and Instagram @UofMTeacherEd for updates and important information.</li> </ul>
<p><u>Freshman II – 16 Credits</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ENGL 1020: English Composition II</li> <li><input type="checkbox"/> MATH 1910 (4 hrs): Calculus I</li> <li><input type="checkbox"/> ESCI 1301: World Regions <b>OR</b> ESCI 1401: Cultural Geography</li> <li><input type="checkbox"/> HIST 2010: US History to 1877 <b>OR</b> HIST 2020: US History Since 1877</li> <li><input type="checkbox"/> SPED 2000: Foundation/Exceptional Learners</li> </ul>	<ul style="list-style-type: none"> <li>• Continue studying for the Praxis CORE exam (if ACT is below 21 composite).</li> <li>• Additional study materials and registration information for the Praxis CORE exam can be found at <a href="https://www.ets.org/praxis/about/core/">https://www.ets.org/praxis/about/core/</a>.</li> </ul>

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<p><u>Sophomore I – 16 Credits</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ENGL 2201: Literary Heritage <b>OR</b> ENGL 2202: Literary Heritage: African American Emphasis</li> <li><input type="checkbox"/> EDPR 3302: Child/Adolescent Development</li> <li><input type="checkbox"/> HIST 1110: World Civilization I <b>OR</b> HIST 1120: World Civilization II</li> <li><input type="checkbox"/> COMM 2381: Oral Communications</li> <li><input type="checkbox"/> MATH 1920 (4 hrs): Calculus II</li> </ul>	<ul style="list-style-type: none"> <li>• Continue taking the Praxis CORE exam (if applicable).</li> <li>• All students must have an ACT composite score of 21 or higher or have passed the Praxis CORE exam by <b>November 1st of the fall semester junior year</b> to be admitted to the Teacher Education Program (TEP).</li> <li>• Please access Praxis Resources <a href="#">here</a>. <b>Please contact Ms. Ayanna Perkins at <a href="mailto:prkins10@memphis.edu">prkins10@memphis.edu</a></b> for additional resources and supports.</li> </ul>
<p><u>Sophomore II – 17 Credits</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ICL 4001: Teaching/Diverse Environments</li> <li><input type="checkbox"/> IDT 3600: Technology in Education</li> <li><input type="checkbox"/> ESCI 1010 (4 hrs): Weather &amp; Climate</li> <li><input type="checkbox"/> MATH 2702: Intro Proof/Fundamental Math</li> <li><input type="checkbox"/> BIOL 1010 &amp; 1011 (4 hrs): Biology of Cells</li> </ul>	<ul style="list-style-type: none"> <li>• Continue taking the Praxis CORE exam (if applicable).</li> <li>• Apply for admission to TEP. <b>The application will open on July 1st and close on July 15th.</b> Go to <a href="http://www.memphis.edu/tep">www.memphis.edu/tep</a> and click on Admission to TEP for more details.</li> <li>• <b>Begin studying for and taking the Praxis II Content or NES Exams.</b> Go to <a href="https://www.ets.org/praxis/tn">https://www.ets.org/praxis/tn</a> for a complete list of required exams, qualifying scores, and test registration.</li> <li>• Please access Praxis Resources <a href="#">here</a>. <b>Please contact Ms. Ayanna Perkins at <a href="mailto:prkins10@memphis.edu">prkins10@memphis.edu</a></b> for additional resources and supports.</li> </ul>
<p><u>Junior I – 15 Credits (FALL ONLY)</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>ICL 4004 (permit required):</b> Mid-Grade Math</li> <li><input type="checkbox"/> MATH 4151: History of Mathematics</li> <li><input type="checkbox"/> MATH 4082: Math/Mid School Teacher</li> <li><input type="checkbox"/> <b>LITL 4241 (permit required):</b> Literacy Grades 5-8</li> <li><input type="checkbox"/> ENGL 4531: Methods &amp; Techniques in ESL</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Students MUST be admitted to TEP by this semester.</b></li> <li>• The TEP application will be open from <b>October 1st to November 1st.</b></li> <li>• <b>Students who are not admitted to TEP by November 15th WILL NOT be allowed to continue to the Junior II courses the following semester and their graduation date will be delayed.</b></li> <li>• Continue taking the Praxis II Content Exams. <b>All Praxis II Content or NES exams MUST be passed by December 1st of the senior year.</b></li> <li>• Please access Praxis Resources <a href="#">here</a>. <b>Please contact Ms. Ayanna Perkins at <a href="mailto:prkins10@memphis.edu">prkins10@memphis.edu</a></b> for additional resources and supports.</li> </ul>
<p><u>Junior II – 15 Credits (Pre-residency) (SPRING ONLY)</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>ICL 4080 (TEP restricted):</b> Math Methods HS I</li> <li><input type="checkbox"/> <b>ICL 4081 (TEP restricted):</b> Math Methods HS II</li> <li><input type="checkbox"/> MATH 3581: College Geometry</li> <li><input type="checkbox"/> MATH 4080: Math/Sec School Teachers I</li> <li><input type="checkbox"/> MATH 4081: Math/Sec School Teachers II</li> </ul>	<ul style="list-style-type: none"> <li>• <b>All Praxis II Content or NES exams MUST be passed by December 1<sup>st</sup> of the senior year or students will not continue to Residency II.</b></li> <li>• <b>Complete the application for Residency I placement. Go to <a href="http://www.memphis.edu/tep">www.memphis.edu/tep</a> and click on Forms to access the application.</b></li> <li>• <b>The application will open on November 1st and close on November 15th.</b></li> </ul>
<p><u>Senior I – 14 Credits (Residency I) (FALL ONLY)</u></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ICL 3333: Stdnt Assess/Inst Dec Mknng</li> <li><input type="checkbox"/> <b>ICL 4007 (TEP restricted):</b> Curriculum/Instr Sec Math</li> <li><input type="checkbox"/> <b>ICL 4008 (TEP restricted):</b> Teaching Math Urban Schools</li> <li><input type="checkbox"/> <b>ICL 4914 (5 hrs) (TEP restricted):</b> Practicum</li> </ul>	<ul style="list-style-type: none"> <li>• <b>All Praxis II Content or NES exams MUST be passed by December 1<sup>st</sup> of this semester.</b> Failure to pass the required exams by the deadline date may result in delayed graduation.</li> <li>• Please access Praxis Resources <a href="#">here</a>. <b>Please contact Ms. Ayanna Perkins at <a href="mailto:prkins10@memphis.edu">prkins10@memphis.edu</a></b> for additional resources and supports.</li> <li>• Apply for graduation through your myMemphis student portal.</li> </ul>

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Senior II – 12 Credits (Residency II) (SPRING ONLY)

- ICL 4904 (9 hrs) (TEP restricted):** Clinical Residency II
- ICL 4800 (TEP restricted):** Professional Seminar

- **Candidates must complete and pass edTPA to obtain a TN teaching license and complete the BSED program.**
- Complete the Initial & Add-on Endorsement Teacher Licensure Form:  
<https://www.memphis.edu/tep/undergraduate/licensure.php>

**TOTAL HOURS: 120**

- For a complete list of Fine Arts & Humanities, please see the course catalogue:  
[https://catalog.memphis.edu/preview\\_program.php?catoid=14&poid=4152&returnto=535](https://catalog.memphis.edu/preview_program.php?catoid=14&poid=4152&returnto=535)
- Please visit our website for a complete list of Office of Teacher Education & Clinical Practice application dates and deadlines:  
<https://www.memphis.edu/tep/about/dates.php>.

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