INTEGRATIVE STUDIES  
SECONDARY MATH (grades 6-12)  
Bachelor of Science in Education  
Department of Instruction and Curriculum Leadership

Name ___________________________  UUID ___________________________

Welcome to the Integrative Studies Major. This program leads to a B.S.Ed. degree and Tennessee Licensure to teach mathematics in grades 6-12. The Secondary Math Education program contains several parts indicated with highlighted headers. This program sheet is an informal guide to selecting and sequencing courses required in the Secondary Math Education program. You are responsible for knowing and meeting the requirements of your degree.

NOTE: MINIMUM GRADE OF C- in all coursework.

UNIVERSITY GENERAL EDUCATION PROGRAM  
41 hours

<table>
<thead>
<tr>
<th>Communication</th>
<th>9 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1020 English Composition and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>COMM 2381 Oral Communication</td>
<td>3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Mathematics</th>
<th>3 hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 1530 Probability/Statistics</td>
<td>3</td>
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</table>

**Take the CORE once you have completed ENGL 1010, ENGL 1020, and MATH 1530.

<table>
<thead>
<tr>
<th>Humanities/Fine Arts</th>
<th>9 hours</th>
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<tbody>
<tr>
<td>Choose one course:</td>
<td></td>
</tr>
<tr>
<td>ENGL 2201 or ENGL 2202</td>
<td>3</td>
</tr>
<tr>
<td>Choose one course:</td>
<td></td>
</tr>
<tr>
<td>ART 1030 or MUS 1030 or THEA 1030</td>
<td>3</td>
</tr>
<tr>
<td>Choose one other Fine Arts or one of the courses below:</td>
<td>3</td>
</tr>
<tr>
<td>CLAS 2481; PHIL 1101 or 1102; POLS 1101 or 1102</td>
<td>3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>History</th>
<th>6 hours</th>
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</thead>
<tbody>
<tr>
<td>History 6 hours (a US History is required for licensure)</td>
<td></td>
</tr>
<tr>
<td>Choose One: HIST 2010, HIST 2020, HIST 2030</td>
<td>3</td>
</tr>
<tr>
<td>Choose One: HIST 1110, HIST 1120</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social/Behavioral Sciences</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCI 1301 Survey of World Regions or</td>
<td>3</td>
</tr>
<tr>
<td>ESCI 1401 Introduction to Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1030 American Government</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural Sciences</th>
<th>8 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose One (biological science):</td>
<td></td>
</tr>
<tr>
<td>BIOL 1010 &amp;1011; BIOL 1020 &amp;1021</td>
<td>4</td>
</tr>
<tr>
<td>Choose One (physical science):</td>
<td></td>
</tr>
<tr>
<td>ESCI 1010; 1020; 1040; 1103 or</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1010 &amp; 1001; 1020 &amp; 1002 or</td>
<td></td>
</tr>
<tr>
<td>CHEM 1010 &amp; 1011; 1020 &amp; 1021</td>
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</tr>
</tbody>
</table>
**RELATED LIBERAL STUDIES FOR THE MAJOR**  
15 hours  
ENGL 4531 Methods and Techniques ESL  
SPED 2000 Foundation/Exceptional Learn  
EDPR 3302 Child/Adolescent Development  
ICL 4001 Teaching in Diverse Environments  
IDT 3600 Technology in Education  

**MAJOR CORE**  
26 hours  
MATH 1910 Calculus I  
MATH 1920 Calculus II  
MATH 2702 Intro Proof/Fund Math  
MATH 3581 College Geometry  
MATH 4151 History of Mathematics (Fall)  
MATH 4082 Mathematics for Middle School Teachers  
MATH 4080 Mathematics for Secondary School Teachers I  
MATH 4081 Mathematics for Secondary School Teachers II  

*Some courses may require prerequisites. It is the student’s responsibility to ensure that all prerequisite coursework has been fulfilled.*

**PROFESSIONAL EDUCATION (Pre-Residency)**  
38 hours  
RDNG 4241 Literacy in Grades 5-8  
ICL 4004 Teaching Middle School Math  
ICL 4080 Math Methods for High School Teachers I  
ICL 4081 Math Methods for High School Teachers II  

**Students must be Fully admitted to TEP for Residency:** [http://www.memphis.edu/tep/admissions.htm](http://www.memphis.edu/tep/admissions.htm)

An Application for the Residency program is required to be submitted during your Pre-Residency Semester by the **first Tuesday in March** to Ball Hall room 204. Go to the following website for the application: [http://www.memphis.edu/tep/pdfs/residency1ap.pdf](http://www.memphis.edu/tep/pdfs/residency1ap.pdf).

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**Residency 1 Semester [Mandated for FALL]. Must pass the Math Content Knowledge Exam 30 days prior to Residency I**  
ICL 3333 Student Assessment/Instructional Decision Making  
ICL 4007 Curriculum/ Instruction in Secondary Math  
ICL 4008 Teaching Math in Urban Schools  
ICL 4914 Residency I practicum*  

* Extensive Field Experience will be associated with this semester.

**Residency 2 [Mandated for SPRING] Must have passing scores for all required Praxis II licensure exams for Secondary Math on file at the U of M 30 days prior to the start of the Residency II semester**  

*ICL 4907 Clinical Residency II semester  
*ICL 4800 Professional Seminar  

Total hours: 120

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A Tennessee Board of Regents Institution  
An Equal Opportunity/Affirmative Action University  

Revised Date: 2/23/2017
Suggested Course Sequencing for:
INTEGRATIVE STUDIES
Secondary Math, grades 6-12 licensure
Bachelor of Science in Education
Department of Instruction and Curriculum Leadership

FRESHMAN I 15 CREDITS
❑ ENGL 1010
❑ MATH 1530
❑ POLS 1030
❑ Fine Art
❑ Humanities

FRESHMAN II 16 CREDITS**
❑ ENGL 1020
❑ MATH 1910 (4 hrs.)
❑ ESCI 1301/1401
❑ US History
❑ SPED 2000

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SOPHOMORE I 16 CREDITS
❑ ENGL 2201 or 2202
❑ EDPR 3302
❑ History
❑ COMM 2381
❑ MATH 1920 (4 hrs.)

SOPHOMORE II 17 CREDITS
❑ ICL 4001
❑ IDT 3600
❑ ESCI 1010 (4hrs)
❑ MATH 2702
❑ BIOL 1010/1011 (4 hrs.)

TEP APPROVAL - You will be delayed in graduating if you are not provisionally admitted to TEP by the end of the sophomore year and fully admitted by the end of junior year – you must have a 3.0 GPA at this time.

JUNIOR I 15 CREDITS
❑ MATH 4151
❑ ICL 4004* (TEP restricted)
❑ MATH 4082
❑ ENGL 4531
❑ RDNG 4241*(TEP restricted)

JUNIOR II 15 CREDITS
❑ ICL 4080* (TEP restricted)
❑ ICL 4081* (TEP restricted)
❑ MATH 4080
❑ MATH 3581
❑ MATH 4081

SENIOR I 14 CREDITS
(Residency 1—Fall only)
❑ ICL 3333
❑ ICL 4007
❑ ICL 4008
❑ ICL 4914 (5 hrs.)

SENIOR II 12 CREDITS
(Residency 2—Spring only)
❑ ICL 4907 (9 hrs.)
❑ ICL 4800 (3 hrs.)

TOTAL: 120 hours