Math Education 5-Adult

Courses required for Mathematics 5-Adult

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 106 (Introduction to Mathematica)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 201 (Calculus I)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 202 (Calculus II)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 203 (Calculus III)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220 (Introduction to Proofs and Abstract Thinking)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 354 (Linear Algebra)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 373 (Writing for Mathematics and Computer Science)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 400 (Abstract Algebra)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 403 (Introduction to Real Analysis)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 477 (Seminar in Mathematics and Computer Science)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 490 (Senior Project)</td>
<td>2-4</td>
</tr>
</tbody>
</table>

Plus one of the following two courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 326 (Introduction to Modern Geometry)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 410 (Topology)</td>
<td>3</td>
</tr>
</tbody>
</table>

For the Mathematics Education Track the following courses are also required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 103 (College Algebra)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 105 (Precalculus)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 210 (Discrete Mathematics)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 252 (Mathematics for Teachers: Algebra and Geometry)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 326 (Introduction to Modern Geometry)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 383 (Probability &amp; Statistics I)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 430 (History of Mathematics)</td>
<td>2</td>
</tr>
<tr>
<td>MATH 480 (Methods and Materials in Teaching Mathematics)</td>
<td>3</td>
</tr>
<tr>
<td>CPSC 151 (Computer Science I)</td>
<td>3</td>
</tr>
</tbody>
</table>

Candidates will be recommended for WV state certification only when the following requirements have also been completed: all courses listed below, the Professional Portfolio, requirements for a Bethany degree, and WV-required PRAXIS I and II tests (passed according to WV-required cut-off scores). All courses listed above and courses listed immediately below must be completed prior to the 445/470/471/472/473 Block – i.e. they are prerequisites to Student Teaching.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 203 (Human Development)</td>
<td>3</td>
</tr>
<tr>
<td>SPED 207 (Exceptionalities and Diversities)</td>
<td>3</td>
</tr>
<tr>
<td>SPED 208 (The Special Education Process)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 242 (Professional Principles)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 282 (Instructional Technology)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 295 (Multicultural Field Experience)</td>
<td>NC</td>
</tr>
<tr>
<td>EDUC 348 (Classroom Discipline and Instruction)</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 426 (Principles and Techniques of Middle School Education)</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 427 (Middle School Curriculum and Organization)</td>
<td>1</td>
</tr>
<tr>
<td>RDNG 376 (Content Area Literacy)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100 (General Psychology)</td>
<td>4</td>
</tr>
<tr>
<td>SOCI/SOWO 210 (Human Diversity)</td>
<td>3</td>
</tr>
</tbody>
</table>

Candidates must be admitted to the Education Program in order to enroll in student teaching.

Student Teaching Block:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 445 (Professional Issues in Education)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 470 (Clinical Practice and Student Teaching I)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 471 (Clinical Practice and Student Teaching II)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 472 (Student Teaching Seminar)</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 473 (Philosophy of Education)</td>
<td>2</td>
</tr>
</tbody>
</table>

Requirements for a Bethany BS degree include the following:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year Experience (FSEM 111, FSEM 112, FSEM 113)</td>
<td>7</td>
</tr>
<tr>
<td>ENGL 111 (College Writing)</td>
<td>3</td>
</tr>
<tr>
<td>RELS 100 (Introduction to Religion)</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>Wellness course</td>
<td>3</td>
</tr>
<tr>
<td>World Languages and Culture Requirement</td>
<td>8</td>
</tr>
<tr>
<td>Liberal Arts Core</td>
<td></td>
</tr>
<tr>
<td>Contemporary Society and Institutions</td>
<td></td>
</tr>
<tr>
<td>Cultural Awareness (SOCI 210)</td>
<td></td>
</tr>
<tr>
<td>Human Behavior (EDUC 203)</td>
<td></td>
</tr>
<tr>
<td>International Understanding</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td></td>
</tr>
<tr>
<td>Mathematical Understanding</td>
<td></td>
</tr>
<tr>
<td>Physical Science</td>
<td></td>
</tr>
<tr>
<td>The Western Tradition</td>
<td></td>
</tr>
</tbody>
</table>

If candidate began the major with CALC I, then she/he must review requirements for MATH 103 and MATH 105 with Major Department Advisor.