## 2020 - 2021 Major Map

**Elementary Education (Science, Technology, Engineering and Mathematics), BAE**

**School/College:** Mary Lou Fulton Teachers College  
**Location:** Polytechnic campus  
**TEESTEMBAE**

### Term 1 - 14 Credit Hours  
**Critical course signified by ❗️**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 or 102</td>
<td>First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>MAT 142: College Mathematics (MA) OR MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
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<tr>
<td>TEL 111: Exploration of Education (SB)</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEL 101: Professional Educator Series: The Student Experience</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>1</td>
<td></td>
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</tbody>
</table>

**Term hours subtotal:** 14

An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.  
Mathematics Placement Assessment score determines placement in mathematics course.  
ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.  
Select your career interest area and play me3@ASU

### Term 2 - 14 - 30 Credit Hours  
**Critical course signified by ❗️**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 or 102</td>
<td>First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TEL 215: Introduction to Child and Adolescent Development (SB)</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
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<tr>
<td>TEL 102: Professional Educator Series: Community Contexts</td>
<td>3</td>
<td>C</td>
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<tr>
<td>Humanities, Arts and Design (HU) (RDG 291 recommended)</td>
<td>3</td>
<td></td>
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<tr>
<td>Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td>C</td>
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</tr>
</tbody>
</table>

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

**Term hours subtotal:** 16

Build your professional connections -- join the ASU Mentor Network

### Term 3 - 30 - 45 Credit Hours  
**Critical course signified by ❗️**

<table>
<thead>
<tr>
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<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 222: Orientation to Education of Exceptional Children (SB &amp; C) OR TEL 208: Literacy in a Changing World</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTE 280: Investigating Quantity: Number, Operations &amp; Numeration Systems</td>
<td>3</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSC OR ERM OR HSE OR MAT OR SCN OR SOS Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
<td>3</td>
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</tbody>
</table>

Complete Mathematics (MA) requirement.  
Milestone: Complete online Intent to Progress form (meet with advisor).  
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.

**Term hours subtotal:** 15

Join a student club or professional organization

### Term 4 - 45 - 60 Credit Hours  
**Critical course signified by ❗️**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
<tbody>
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<td>SPE 222: Orientation to Education of Exceptional Children (SB &amp; C) OR TEL 208: Literacy in a Changing World</td>
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<tr>
<td>TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts</td>
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<td>MTE 280: Investigating Quantity: Number, Operations &amp; Numeration Systems</td>
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<td></td>
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<td></td>
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<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
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</table>

Complete Mathematics (MA) requirement.  
Milestone: Complete online Intent to Progress form (meet with advisor).  
Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.

**Term hours subtotal:** 15

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Page 1
SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 208: Literacy in a Changing World 3 C
USL 216: Service Learning: For Educators (L & C) 3 C
MTE 281: Investigating Space: Geometry, Measurement, and Visualization 3 C
SCN 309: Environmental Education Project 1 C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 301 recommended) 4 C

Elective 1

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 5 60 - 77 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes
BLE 408: SEI for Linguistically Diverse Learners (L) OR SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth 3 C • Clinical Experience placement will be in a math or science classroom.
EDP 311: Educational Psychology for Future Teachers (SB) 3 C • Develop your professional online presence
EED 396: Clinical Experience I 2 C
EED 433: Language Method Management and Assessment 3 C
MTE 301: Investigating Change: Patterns, Functions, and Modeling 3 C
SCN 411: Science in Elementary Schools 3 C

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 6 77 - 93 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes
EED 397: Clinical Experience II 2 C • Must pass National Evaluation Series (NES) exam for middle grade math or science.
MTE 412: Mathematics in Elementary Schools 3 C
RDG 322: Language Literacy 1 in Elementary Schools 3 C
SCN 302: Environmental Education (L & G) 3 C
SPE 323: Behavioral Strategies for All Students 3 C
DSC OR ERM OR HSE OR MAT OR SCN OR SOS Elective 2
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 93 - 108 Credit Hours Necessary course signified by ⭐ Hours Minimum Grade Notes
EED 324: Social Studies in Elementary Schools 3 C
EED 478: Student Teaching: Elementary School (Grades 1-8) 5 C
RDG 413: Language Literacy 2 in Elementary Schools 3 C
SPE 416: Quality Practices in the Collaborative Classroom 3 C
SCN 309: Environmental Education Project 1 C

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15
<table>
<thead>
<tr>
<th>star EED 478: Student Teaching: Elementary School (Grades 1-8)</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>12</td>
<td>C</td>
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</tbody>
</table>

Term hours subtotal: 12

**General University Requirements Legend**

General Studies Core Requirements:
- Literature and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

**General Studies Awareness Requirements:**
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

**First-Year Composition**

General Studies designations listed on the major map are current for the 2020 - 2021 academic year.