## 2021 - 2022 Major Map

### Secondary Education, BAE

**School/College:** Mary Lou Fulton Teachers College  
**Location:** Polytechnic campus, Tempe campus, West campus, ASU@Northeastern Arizona, ASU@The Gila Valley, ASU@Yuma, ASU@Yavapai

### TESEDBAE

#### Term 1 0 - 16 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| **MAT 142: College Mathematics (MA)** | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students  
  • Select your career interest communities and play me3@ASU |
| **ENG 101: First-Year Composition or ENG 102: First-Year Composition** OR **ENG 107: First-Year Composition** OR **ENG 108: First-Year Composition** | 3 | C | |
| **TEL 101: Professional Educator Series: The Student Experience** | 1 | | |
| **TEL 111: Exploration of Education (SB)** | 3 | C | |
| **TEL 208: Literacy in a Changing World (HU)** | 3 | C | |
| **Track Course** | 3 | C | |

**Term hours subtotal:** 16

#### Term 2 16 - 30 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENG 101: First-Year Composition or ENG 102: First-Year Composition</strong> OR <strong>ENG 107: First-Year Composition</strong> OR <strong>ENG 108: First-Year Composition</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>TEL 212: Understanding the Culturally Diverse Learner (C)</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>TEL 215: Introduction to Child and Adolescent Development (SB)</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>Natural Science - Quantitative (SQ)</strong></td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Milestone: Submit Identity Verified Print (IVP) DPS fingerprint clearance card.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 14

#### Term 3 30 - 44 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS)</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>TEL 270: Professional Educator Series: Connecting Research to Practice</strong></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Natural Science - Quantitative (SQ) OR Natural Science - General (SG) (SCN 208 recommended)</strong></td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td><strong>Track Course</strong></td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

**Term hours subtotal:** 14

- **Develop your skills**  
- **Your IVP fingerprint card will be needed for professional classroom experiences in TEL 270.**
### Term 4 44 - 60 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by 🌟</th>
<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)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>BLE 220: Foundations of Structured English Immersion (L)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TEL 271: Professional Educator Series: Inclusivity in Practice</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Historical Awareness (H) AND Global Awareness (G)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Global Awareness (G)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track Course</td>
<td>3</td>
<td>C</td>
<td>Milestone: Complete online Intent to Progress form for Professional Pathways Program (meet with advisor). Minimum 2.50 GPA ASU Cumulative.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 16

### Term 5 60 - 76 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SED 396: Clinical Experience I</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>SED 464: Middle School Curr/Org</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>TEL 311: Instruction and Management in the Inclusive Classroom</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Complete 2 courses: Track Course</td>
<td>6</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

- Students may take courses in a different sequence, depending on campus location.
- Concurrent degree students should meet with their Teachers College advisor early in Term 5 to provide copy of their IVP fingerprint card and submit paperwork needed to start the professional pathways program.
- Education program requires students to participate in clinical experience internships (one day a week) and a student teaching residency (full-time commitment in your last semester) in 6-12th grade classrooms. Reliable transportation is important.
- Attendance is required at an orientation prior to enrollment in education course work.
- Develop your professional online presence

### Term 6 76 - 92 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SED 397: Clinical Experience II</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>BLE 407: SEI for Secondary Students (L)</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>RDG 323: Literacy Processes in Content Areas</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>SPE 417: Inclusion Practices at the Secondary Level</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division Methods Course</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Upper Division Track Course</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).</td>
<td></td>
<td></td>
<td>Minimum 2.50 GPA ASU Cumulative.</td>
</tr>
</tbody>
</table>

Term hours subtotal: 16

### Term 7 92 - 108 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by ⭐</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SED 496: Clinical Experience III</td>
<td>1</td>
<td>C</td>
<td>• Use Handshake to research employment opportunities</td>
</tr>
<tr>
<td>SED 322: Classroom Leadership in Secondary Schools (L)</td>
<td>3</td>
<td>C</td>
<td>• Students seeking teacher certification must pass required educator exams. Please</td>
</tr>
</tbody>
</table>

Term hours subtotal: 16

- Use Handshake to research employment opportunities
- Students seeking teacher certification must pass required educator exams. Please
### Biology Track Courses
- BIO 181: General Biology I (SQ)
- BIO 182: General Biology II (SG)
- BIO 320: Fundamentals of Ecology
- BIO 340: General Genetics
- BIO 345: Evolution
- OR Elective

### Business Track Courses
- ACC 231: Uses of Accounting Information I
- ACC 241: Uses of Accounting Information II
- ECN 211: Macroeconomic Principles (SB)
- ECN 212: Microeconomic Principles (SB)
- MGT 300: Organization and Management Leadership
- MKT 300: Marketing and Business Performance
- SCM 300: Global Supply Operations
- MGT OR MKT OR SCM OR FIN Elective

### Chemistry Track Courses
- CHM 113: General Chemistry I (SQ)
- CHM 116: General Chemistry II (SQ)
- CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I
- CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II
- CHM OR BCH Elective

### Earth and Space Track Courses
- AST 111: Introduction to Solar Systems Astronomy (SQ)
- GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

### Economics Track Courses
- ECN 211: Macroeconomic Principles (SB)
- ECN 212: Microeconomic Principles (SB)
- ECN 221: Business Statistics (CS)

### English Track Courses
- ENG 200: Critical Reading and Writing About Literature (L or HU)
- ENG 221: Survey of English Literature (HU)
- ENG 222: Survey of English Literature (HU & H)

#### Term 8 108 - 120 Credit Hours

<table>
<thead>
<tr>
<th>Necessary course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>SED 478: Student Teaching: Secondary Education (Grades 6-12) OR Upper Division Non-Teacher Certification Track</td>
<td>12</td>
<td>C</td>
</tr>
</tbody>
</table>

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

### Courses selected for Track Area must be from same track. Students should not mix/match track areas.

- Students at EAC and AWC must take SED 478 to meet program requirements and qualify for teacher certification.
- Students pursuing this program as a concurrent degree, who choose not to participate in student teaching, must select 12 hours from the non-certification track group. Without student teaching, you will not qualify for a Secondary Education Certification credential, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your academic advisor and the Arizona Department of Education for clarification. We highly recommend all students complete student teaching.

- Students speak with your advisor to plan appropriately.

### Upper Division Methods Course
- Upper Division Track Course 3 C
- Upper Division Track Course 3 C
- Upper Division Elective 3

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

### Upper Division Track Course 3 C

### Upper Division Elective

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

- Terms at EAC and AWC must take SED 478 to meet program requirements and qualify for teacher certification.
- Students pursuing this program as a concurrent degree, who choose not to participate in student teaching, must select 12 hours from the non-certification track group. Without student teaching, you will not qualify for a Secondary Education Certification credential, but you will still earn a degree in Secondary Education. You may be eligible for an Arizona Subject Matter Expert credential. Please consult with your academic advisor and the Arizona Department of Education for clarification. We highly recommend all students complete student teaching.

- Students speak with your advisor to plan appropriately.
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ)


SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab

GLG OR AST OR GPH Elective

General Science Track Courses

AST 111: Introduction to Solar Systems Astronomy (SQ)

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SQ)

PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)

PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)

SCN 300: Foundations of Environmental Education

Mathematics Track Courses

MAT 270: Calculus with Analytic Geometry I (MA)

MAT 271: Calculus with Analytic Geometry II (MA)

MAT 272: Calculus with Analytic Geometry III (MA)

MAT 300: Mathematical Structures (L)

MAT 310: Introduction to Geometry

MAT OR MTE OR STP Elective

Chinese Track Courses

CHI 201: Second-Year Chinese I (G)

CHI 202: Second-Year Chinese II (G)

CHI 301: Third-Year Chinese I (G)

ECN 312: Intermediate Microeconomic Theory (SB)

ECN 313: Intermediate Macroeconomic Theory (SB)

ECN Elective

Geography Track Courses

GCU 102: Introduction to Human Geography (SB & G)

GCU 121: World Geography (SB & G)

GCU 241: The Global Economy in Transition (SB & G)

GIS 205: Geographic Information Science I (CS)

GPH 111: Introduction to Physical Geography (SQ)

GPH 112: Introduction to Physical Geography Lab (SQ)

GCU 103: United States and Arizona Social Studies (SB & H)

GCU 114: World Social Studies (SB & G & H)

GCU OR GPH OR GIS Elective

Physics Track Courses

PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)

PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

PHY 252: Physics III (SQ)

PHY Elective

French Track Courses

FRE 201: Intermediate French I (G)

FRE 202: Intermediate French II (G)

FRE 305: Readings in French Literature (G)

Physics Track Courses

PHYSICS Track Courses

PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)

PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

PHY 252: Physics III (SQ)

PHY Elective

Political Science Track Courses

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)

POS 150: Comparative Government (SB & G)

POS 160: Global Politics (SB & G)

POS 210: Political Ideologies (SB)

POS 301: Empirical Political Inquiry (SB)

POS Elective

German Track Courses

GER 201: Intermediate German I (G)

GER 202: Intermediate German II (G)

GER 310: Advanced German Grammar and Composition I (G)
<table>
<thead>
<tr>
<th>CHI Elective</th>
<th>FRE Elective</th>
<th>GER Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 302: Third-Year Chinese II (G)</td>
<td>FRE 311: Oral and Written Expression I (G)</td>
<td>GER 311: German Conversation (G)</td>
</tr>
<tr>
<td>CHI Elective</td>
<td>FRE 312: Oral and Written Expression II (G)</td>
<td>GER 312: Readings in German Culture (G)</td>
</tr>
<tr>
<td>CHI Elective</td>
<td>FRE Elective</td>
<td>GER 313: Advanced German Grammar and Composition II (G)</td>
</tr>
</tbody>
</table>

### Japanese Track Courses
- JPN 201: Second-Year Japanese I (G)
- JPN 202: Second-Year Japanese II (G)
- JPN 301: Third-Year Japanese I (G)
- JPN 302: Third-Year Japanese II (G)
- JPN Elective

### Spanish Track Courses
- SPA 201: Intermediate Spanish (G)
- SPA 202: Intermediate Spanish (G)
- SPA 313: Spanish Conversation and Composition (G)
- SPA 314: Spanish Conversation and Composition (G)
- SPA Elective
- SPA 315: Advanced Spanish I for Bilinguals (C)
- SPA 316: Advanced Spanish II for Bilinguals (L & C)
- SPA 412: Advanced Conversation and Composition (G)
- SPA 413: Spanish Grammar in Context (G)

### Methods Course
- BIO 480: Methods of Teaching Biology
- CHM 480: Methods of Teaching Chemistry
- ENG 480: Methods of Teaching English: Composition (L)
- ENG 482: Methods of Teaching English: Language (L)
- HST 480: Methods of Teaching History: Classroom Resources
- MTE 482: Methods of Teaching Mathematics in Secondary School
- MTE 494: Advanced Methods of Teaching Mathematics in Secondary Schools
- PHY 480: Methods of Teaching Physics
- SED 403: Secondary Principles, Curriculum and Methods
- SED 480: Special Methods of Teaching Social Studies
- SED 482: Science Teaching Methods for Secondary Schools
- SES 480: Teaching Earth and Space Sciences

### Non-Teacher Certification Track
- ECS Upper Division Elective
- EDP Upper Division Elective
- EDT Upper Division Elective
- SCN Upper Division Elective
- SED Upper Division Elective
- SPE Upper Division Elective
- SPF Upper Division Elective
- TEL Upper Division Elective
- USL Upper Division Elective

### Notes:
- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU’s first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to
choose the first-year composition option they believe best suits their needs. Visit: 
https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

<table>
<thead>
<tr>
<th>Total Hours: 120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Division Hours: 45 minimum</td>
</tr>
<tr>
<td>Major GPA: 2.00 minimum</td>
</tr>
<tr>
<td>Cumulative GPA: 2.00 minimum</td>
</tr>
<tr>
<td>Total hrs at ASU: 30 minimum</td>
</tr>
<tr>
<td>Hrs Resident Credit for Academic Recognition: 56 minimum</td>
</tr>
<tr>
<td>Total Community College Hrs: 64 maximum</td>
</tr>
</tbody>
</table>

General University Requirements Legend

General Studies Core Requirements:

- Literacy 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 2021 - 2022 academic year.