# 2021 - 2022 Major Map

**Exploratory Math, Physical Sciences, Engineering and Technology**

**School/College:** University College  
**Location:** Downtown Phoenix campus, Polytechnic campus, Tempe campus

**UCEMTEXPL**

## Term 1 0 - 15 Credit Hours

<table>
<thead>
<tr>
<th>Critical course signified by</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
</table>
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 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. |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science. Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA) | 3-4 | C | |
| ASU 101-UC: The ASU Experience | 1 | | |
| UNI 150: Major and Career Exploration | 1 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |

**Term hours subtotal:** 15-16

## Term 2 15 - 29 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>ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition</td>
<td>3</td>
<td>C</td>
<td>• Join a student club or professional organization.</td>
</tr>
<tr>
<td>MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science. Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)</td>
<td>3-4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>UNI 250: Choosing a Major</td>
<td>1</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Natural Science - General (SG) OR Natural Science - Quantitative (SQ)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities, Arts and Design (HU) AND Historical Awareness (H)</td>
<td>3</td>
<td></td>
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</tbody>
</table>

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

**Term hours subtotal:** 14-15

## Term 3 29 - 45 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>MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science. Technology, Engineering and</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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. Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term. Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**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.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**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.