Secondary Education (Chemistry), BAE

Moment by moment, day by day and person by person, educators ignite minds and strengthen communities. Programs at Mary Lou Fulton Teachers College offer a blend of classroom instruction and professional experiences that prepare you to ask the right questions, navigate uncertainty and make a difference.

Program Description

BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.
At a Glance

- **College/School:** Mary Lou Fulton Teachers College
- **Location:** Polytechnic campus, Tempe campus, West campus
- **Additional Program Fee:** No
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
- **Math Intensity:** Substantial

Required Courses (Major Map)

2021 - 2022 Major Map
Major Map (Archives)

Admission Requirements

**General University Admission Requirements:**
All students are required to meet general university admission requirements.
[Freshman](#) | [Transfer](#) | [International](#) | [Readmission](#)

Change of Major Requirements

A current ASU student has no additional requirements for changing majors.

Students should refer to [https://changemajor.apps.asu.edu](https://changemajor.apps.asu.edu) for information about how to change a major to this program.

Transfer Options

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU™ to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: [https://admission.asu.edu/transfer/pathway-programs](https://admission.asu.edu/transfer/pathway-programs).

Global Opportunities

Global Experience
Science educators can experience physical sciences and chemistry outside the classroom through study abroad. STEM programs in Europe, Asia and Latin America offer hands-on opportunities that explore climate change, engineering and the intersection of humanities and science. Opportunities include research and learning alongside peers from other countries. Program lengths range as short as a week, a semester or a summer. [https://goglobal.asu.edu/][1]

### Career Opportunities

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Program Director</td>
<td>3.7%</td>
<td>$97,500</td>
</tr>
<tr>
<td>Fitness and Wellness Coordinator</td>
<td>not available</td>
<td></td>
</tr>
<tr>
<td>High School Teacher</td>
<td>3.8%</td>
<td>$62,870</td>
</tr>
<tr>
<td>Instructional Specialist</td>
<td>5.9%</td>
<td>$66,970</td>
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<tr>
<td>Middle School Teacher</td>
<td>3.6%</td>
<td>$60,810</td>
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<tr>
<td>Preschool Director</td>
<td>1.0%</td>
<td>$49,160</td>
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<tr>
<td>School Principal</td>
<td>3.9%</td>
<td>$98,490</td>
</tr>
<tr>
<td>Tutor</td>
<td>not available</td>
<td></td>
</tr>
</tbody>
</table>

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

[🌞 Bright Outlook 🌿 Green Occupation]

### Contact Information

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