Secondary Education (Biological Sciences),
BAE

TEBIOBAE

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

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English Immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in 6-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require an observation of one day per week in a 6-12 grade classroom. During senior year, students complete a full-time, single semester student teaching placement known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provides students an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience 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 exams, National Evaluation Series or Arizona Educator Proficiency Assessments, 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 170 - Precalculus
- **Math Intensity:** Moderate

Required Courses (Major Map)

[2019 - 2020 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://changingmajors.asu.edu/request](https://changingmajors.asu.edu/request) 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 the [Transfer Map search](#) 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**

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. [https://mystudyabroad.asu.edu/](https://mystudyabroad.asu.edu/)

**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>10.1%</td>
<td>$92,360</td>
</tr>
<tr>
<td>Fitness and Wellness Coordinator</td>
<td>10.6%</td>
<td>$81,630</td>
</tr>
<tr>
<td>High School Teacher</td>
<td>7.5%</td>
<td>$59,170</td>
</tr>
<tr>
<td>Instructional Designer</td>
<td>10.5%</td>
<td>$63,750</td>
</tr>
<tr>
<td>Instructional Specialist</td>
<td>10.5%</td>
<td>$63,750</td>
</tr>
<tr>
<td>Middle School Teacher</td>
<td>7.5%</td>
<td>$57,720</td>
</tr>
<tr>
<td>Online Learning Coordinator</td>
<td>10.6%</td>
<td>$81,630</td>
</tr>
</tbody>
</table>
Preschool Director  10.8%  $46,890
School Principal    7.9%  $94,390
Tutor              9.9%  not available

* 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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