Graduate Certificate in Biotechnology Education

The Graduate Certificate in Biotechnology Education program blends the fundamental and emerging ideas in biotechnology and the teaching and learning of bioscience at the middle and high school levels.

Middle and secondary school teachers and curriculum and instructional leaders will strengthen their content knowledge and pedagogical techniques and develop effective teaching methods.

This certificate program consists of five graduate-level courses, including the Independent Research Project course, which emphasizes inquiry-oriented approaches and technology integration in bioscience education.

Please note that this entry is for currently enrolled students only. The Graduate Certificate in Biotechnology Education program is not currently accepting new students.

Admissions Criteria for all Advanced Academic Programs (https://e-catalogue.jhu.edu/arts-sciences/advanced-academic-programs/Admission/#admissionrequirementstext)

Program Specific Requirements

Please note that this entry is for currently enrolled students only. The Graduate Certificate in Biotechnology Education program is not currently accepting new students.

Program Requirements

Students pursuing the Graduate Certificate in Biotechnology Education program must complete five courses:

- Four required core courses
- At least one customizable core course

Please note that this entry is for currently enrolled students only. The Graduate Certificate in Biotechnology Education program is not currently accepting new students.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AS.410.303</td>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>AS.410.601</td>
<td>Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>AS.410.602</td>
<td>Independent Research in Biotechnology</td>
<td>4</td>
</tr>
<tr>
<td>AS.410.600</td>
<td>Immunological Techniques in Biotechnology</td>
<td>4</td>
</tr>
</tbody>
</table>

Students must enroll in one laboratory courses offered at the Homewood campus. Laboratory courses are not offered online.

See course descriptions in the Center for Biotechnology Education (https://e-catalogue.jhu.edu/course-descriptions/_biotechnology/).