SYNTHETIC BIOLOGY, POST-BACCALAUREATE CERTIFICATE

Synthetic biology involves redesigning biological systems such as enzymes for useful purposes by engineering them to have new abilities and functions. It can be used to find solutions in medicine, manufacturing, and agriculture. The Post-Baccalaureate Certificate in Synthetic Biology program allows students with STEM bachelors degrees to understand the fundamental concepts in synthetic biology and prepare them for their future careers related to this ever-expanding field.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions (https://grs.uncg.edu/prospective/guide/).

A baccalaureate degree in Chemistry, Physics, Engineering, Biology or a closely related STEM field.

Certificate Program Requirements

**Required: 12 credit hours**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select four courses (12 credits) from the following:</strong></td>
<td><strong>12</strong></td>
<td></td>
</tr>
<tr>
<td>NAN 602</td>
<td>Physical Biology</td>
<td></td>
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<tr>
<td>NAN 610</td>
<td>Systems and Synthetic Biology</td>
<td></td>
</tr>
<tr>
<td>NAN 620</td>
<td>Immunology</td>
<td></td>
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<tr>
<td>NAN 625</td>
<td>Molecular Biology in Nanosciences</td>
<td></td>
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<tr>
<td>NAN 630</td>
<td>Advances in Nano-Biosensors</td>
<td></td>
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<tr>
<td>NAN 635</td>
<td>Nanomechanics</td>
<td></td>
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<tr>
<td>NAN 641</td>
<td>SemiSynBio, Advanced Materials, and Beyond</td>
<td></td>
</tr>
<tr>
<td>NAN 655</td>
<td>Biomimetics and Biomaterials</td>
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</table>

Total Credit Hours 12

* Transfer courses may not be used to satisfy the certificate requirements.