Biology, BS
Subplan Bioenvironmental Sciences

Academic Plan: BIO-BS
Program Code: 34022

This degree map is a term-by-term sample course schedule designed to assist you and your advisor in planning your 4-year academic path to graduation with a Biology degree. You and your advisor will use it, along with the program of study for your major (found in the Lehman Bulletin for the year of your major declaration) and Degree Works (degree audit system), to formulate your customized plan.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>CUNY Common Core Credits</td>
</tr>
<tr>
<td>12</td>
<td>Lehman College Option Credits</td>
</tr>
<tr>
<td>72-76</td>
<td>Major Credits</td>
</tr>
<tr>
<td>2-6</td>
<td>Elective Credits</td>
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</table>

**LEGEND:**
- *Course Abbreviation*  
- Credits
- Lehman Core Requirement (LCR) Requirement fulfilled
- Green: Major Requirement
- Gold: Elective, Minor, or Certificate
- * - see footnote
- Underlined information is hyperlinked
### FRESHMAN

#### FALL
- **ENG 111** 3 CR
  - English Composition I
  - *Required Core – Communication*
- **BIO 166 - LCR** 4 CR
  - Principles of Biology: Cells and Genes
  - *Required Core – Life and Physical Science*
- **MAT 108 and MAT 171 or MAT 172** [3] 4-6 CR
  - Trigonometry and Elements of Precalculus or Precalculus
  - *Required Core – Quantitative Skills*
- Elective 3 CR
  - **LEH 100 (recommended)**
  - The Liberal Arts - Freshman Seminar

#### SPRING
- **ENG 121** 3 CR
  - English Composition II
  - *Required Core – Communication*
- **BIO 167 - LCR** 4 CR
  - Principles of Biology: Organisms
  - *Flexible Core – Scientific World*
- **CHE 166-LCR** 4 CR
  - General Chemistry I
  - *Flexible Core – Any area* [1]
- **CHE 167** 1.5 CR
  - General Chemistry Lab I
- **MAT 175** 4 CR
  - Calculus I
- **MAT 155** 1 CR
  - Calculus I Lab

**14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS**

### SOPHOMORE

#### FALL
- **LCR** 3 CR
  - Foreign Language I
  - *Lehman College Option*
- **CHE 168** 4 CR
  - General Chemistry II
- **CHE 169** 1.5 CR
  - General Chemistry Lab II
- **PHY 166** 5 CR
  - General Physics I
- Elective 3 CR

#### SPRING
- **LCR** 3 CR
  - Foreign Language II
  - *Lehman College Option*
- **CHE 232** 4 CR
  - Organic Chemistry Lecture I
- **CHE 233** 2 CR
  - Organic Chemistry Lab I
- **PHY 167** 5 CR
  - General Physics II

**31.5 PRIOR CREDITS + 16.5 FALL CREDITS + 14 SPRING CREDITS = 62 CREDITS**
### FALL

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCR</td>
<td></td>
<td>3 CR</td>
</tr>
<tr>
<td>LEH 352, 353, 354, or 355</td>
<td>Lehman College Option</td>
<td>[2]</td>
</tr>
<tr>
<td>BIO 238</td>
<td>Genetic</td>
<td>4 CR</td>
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<tr>
<td>BIO 240</td>
<td>Biostatistics</td>
<td>3 CR</td>
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<tr>
<td>CHE 234</td>
<td>Organic Chemistry Lecture II</td>
<td>4 CR</td>
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<tr>
<td>CHE 235</td>
<td>Organic Chemistry Lab II</td>
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### SPRING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LCR</td>
<td></td>
<td>3 CR</td>
</tr>
<tr>
<td>LEH 352, 353, 354, or 355</td>
<td>Lehman College Option</td>
<td>[2]</td>
</tr>
<tr>
<td>LCR</td>
<td>Flexible Core – Individual and Society</td>
<td>3 CR</td>
</tr>
<tr>
<td>BIO 2## or 3##</td>
<td>Select Any From List (List A)</td>
<td>4 CR</td>
</tr>
<tr>
<td>BIO 2## or 3##</td>
<td>Select Any From List (List A)</td>
<td>4 CR</td>
</tr>
<tr>
<td>BIO 4##</td>
<td>Select Any From List (List B)</td>
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### FALL

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEH 101-LCR</td>
<td>An Introduction to Geography</td>
<td>3 CR</td>
</tr>
<tr>
<td>LCR</td>
<td>Flexible Core – World Cultures and Global Issues</td>
<td>3 CR</td>
</tr>
<tr>
<td>BIO 2## or 3##</td>
<td>Select Any From List (List A)</td>
<td>4 CR</td>
</tr>
<tr>
<td>BIO 2## or 3##</td>
<td>Select Any From List (List A)</td>
<td>2 CR</td>
</tr>
</tbody>
</table>

### SPRING

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<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCR</td>
<td>Flexible Core – Creative Expression</td>
<td>3 CR</td>
</tr>
<tr>
<td>GEP 2## or 3## or POL 3##</td>
<td>Select Any From List (List C or D)</td>
<td>3 CR</td>
</tr>
<tr>
<td>GEP 2## or 3## or POL 3##</td>
<td>Select Any From List (List C or D)</td>
<td>3 CR</td>
</tr>
<tr>
<td>Elective</td>
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<td>3 CR</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 CR</td>
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</tbody>
</table>

62 PRIOR CREDITS + 16 FALL CREDITS + 15 SPRING CREDITS = 93 CREDITS

93 PRIOR CREDITS + 12 FALL CREDITS + 15 SPRING CREDITS = 120 CREDITS
[1] No more than two courses in one discipline may be used to satisfy Flexible Core requirements.


[3] Students may take both MAT 108 and MAT 171 together to satisfy the Precalculus requirement.

**Bioenvironmental Sciences Sub plan (21-24 credits)**


[5] At least 1 Credit from List B: BIO 450, BIO 489, BIO 490

[6] 6-7 Credits from List C or List D:

List C: GEP 204 or GEP 205 and GEP 321 or GEP 3750 (GEO 101 or GEH 101 are prerequisites to GEP 205)

List D: POL 3600, POL 366, POL 368, POL 343

**NOTE:** BIO 181, 182 and 230 are not accepted towards the major.

**NOTE:** Writing Intensive Sections: Complete 4 sections designated as writing-intensive, 3 prior to earning 60 credits and 1 following. These sections may be searched by class attribute and are offered in General Education, major, minor and elective courses.

See other degree maps.