Chemistry, BA
Subplan Chemistry

Academic Plan: CHEM-BA
Program Code: 34241

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 Chemistry Degree. You and your advisor will use it, along with the program of study for your major (found in the Lehman Bulletin for your admission year) and Degree Works (degree audit system), to formulate your customized plan.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Category</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>64</td>
<td>Major Credits</td>
</tr>
<tr>
<td>14</td>
<td>Elective Credits</td>
</tr>
</tbody>
</table>

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

**ENG 111**  
English Composition I  
*Required Core – Communication*

**MAT 172**  
Pre-calculus  
4 CR

**CHE 166** - LCR [1]  
General Chemistry I Lecture  
*Required Core – Life and Physical Science*

**CHE 167** [1]  
General Chemistry I Lab  
1.5 CR

Elective  
3 CR

**LEH 100** (recommended)  
The Liberal Arts - Freshman Seminar

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**SPRING**

**ENG 121**  
English Composition II  
*Required Core – Communication*

**LCR**  
*Flexible Core-Creative Expression*

**MAT 175** - LCR  
Calculus I  
*Required Core – Quantitative Skills*

**MAT 155**  
Calculus I Lab  
1 CR

**CHE 168** - LCR  
General Chemistry II Lecture  
*Flexible Core – Scientific World*

**CHE 169**  
General Chemistry II Lab  
1.5 CR

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**FALL**

**LCR**  
Foreign Language I  
*College Option - Foreign Language*

**LCR**  
*Flexible Core – Individual and Society*

**CHE 232**  
Organic Chemistry I Lecture  
4 CR

**CHE 233**  
Organic Chemistry I Lab  
2 CR

**MAT 176**  
Calculus II  
4 CR

**MAT 156**  
Calculus II Lab  
1 CR

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**SPRING**

**LCR**  
Foreign Language II  
*College Option - Foreign Language*

**CHE 234**  
Organic Chemistry II Lecture  
4 CR

**CHE 235**  
Organic Chemistry II Lab  
2 CR

**CHE 450**  
Seminar  
1 CR

**MAT 226**  
Vector Calculus  
4 CR

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15.5 FALL CREDITS + 16.5 SPRING CREDITS = 32 CREDITS

**SOPHOMORE**

**32 PRIOR CREDITS + 17 FALL CREDITS + 14 SPRING CREDITS = 63 CREDITS**
### FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LCR</td>
<td>3 CR</td>
</tr>
<tr>
<td>LEH 352, 353, 354, or 355[^3]</td>
<td>3 CR</td>
</tr>
<tr>
<td>Lehman College Option</td>
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</tr>
<tr>
<td>CHE 249</td>
<td>5 CR</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td></td>
</tr>
<tr>
<td>CHE 391[^6] or Elective</td>
<td>2 CR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 168- LCR[^4]</td>
<td>5 CR</td>
</tr>
<tr>
<td>Physics I for Scientists and Engineers</td>
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</tr>
<tr>
<td>Flexible Core – Any area[^2]</td>
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</tr>
</tbody>
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### SPRING

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LCR</td>
<td>3 CR</td>
</tr>
<tr>
<td>LEH 352, 353, 354, or 354[^3]</td>
<td>3 CR</td>
</tr>
<tr>
<td>Lehman College Option</td>
<td></td>
</tr>
<tr>
<td>CHE 344</td>
<td>3 CR</td>
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<tr>
<td>Physical Chemistry Course in Kinetics and Thermodynamics</td>
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</tr>
<tr>
<td>CHE 347</td>
<td>2 CR</td>
</tr>
<tr>
<td>Physical Chemistry Lab in Kinetics and Thermodynamics</td>
<td></td>
</tr>
<tr>
<td>CHE 391[^6] or Elective</td>
<td>2 CR</td>
</tr>
</tbody>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHY 169[^4]</td>
<td>5 CR</td>
</tr>
<tr>
<td>Physics II for Scientists and Engineers</td>
<td></td>
</tr>
</tbody>
</table>

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**JUNIOR**

63 PRIOR CREDITS + 15 FALL CREDITS + 15 SPRING CREDITS = 93 CREDITS

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**SENIOR**

93 PRIOR CREDITS + 14 FALL CREDITS + 13 SPRING CREDITS = 120 CREDITS
Students have the option to enroll in CHE 114 and CHE 115 with departmental permission.

No more than two courses in one discipline may be used to satisfy Flexible Core requirements.

These are variable topics courses, where each section treats a special topic. Pre-requisite: You must have achieved 60 credits and declared your major. Integration Courses LEH 352: Studies in Literature, LEH 353: Studies in Arts, LEH 354: Studies in Historical Studies, LEH 355: Studies in Philosophy, Theory & Abstract Thinking. (LEH 351: Studies in Science & Applied Perspective is NOT a College Option for this Major).

Students have the option to enroll in PHY 166 and PHY 167.

Select any 200- 300- or 400- level Chemistry course, except CHE 391 and CHE 491.

Department consent is required to enroll in CHE 391-Chemical Investigations

Department consent is required to enroll in CHE 491; students must complete one semester of CHE 391 before requesting permission for CHE 491. One of the requirements for Departmental Honors is satisfactory completion of 3 credits in CHE 491.

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.