New Chem Minor List of requirements:

1. CHEM 1031, 1032, 1033, and 1034. General Chemistry Lecture and Laboratory (or 1951, 1952, 1953, and 1954 Honors General Chemistry)
2. CHEM 2201, 2202, 2203, and 2204. Organic Chemistry Lecture and Laboratory (or 2921, 2922, 2923, and 2924 Honors Organic Chemistry)
3. At least 7 credit hours from the following list
   • CHEM 3001. Inorganic. (3 cr.)
   • CHEM 3103 and 3105. Tech I lecture and lab (3+1 cr.)
   • CHEM 3301. Physical Chemistry Lecture I. (3 cr.)
   • CHEM 3302. Physical Chemistry Lecture II. (3 cr.)
   • CHEM 3397. Physical Chemistry Laboratory I. (2 cr.)
   • CHEM 3398. Physical Chemistry Laboratory II. (2 cr.)
   • CHEM 3405. Physical Chemistry of Biomolecules. (3 cr.)
   • CHEM 4002. Advanced Inorganic Chemistry. (3 cr.)
   • CHEM 4003. Inorganic Synthesis. (4 cr.)
   • CHEM 4004. Crystallography and Diffraction. (4 cr.)
   • CHEM 4103. Instrumental Design. (4 cr.)
   • CHEM 4107. Drug Analysis. (4 cr.)
   • CHEM 4108. Investigative Chemistry. (4 cr.)
   • CHEM 4196. Techniques of Chemical Measurement II. (5 cr.)
   • CHEM 4201. Organic Structure and Mechanisms. (3 cr.)
   • CHEM 4202. Organic Synthesis Methodology. (3 cr.)
   • CHEM 4207. Advanced Organic Preparations. (4 cr.)
   • CHEM 4401. Biochemistry I. (3 cr.)
   • CHEM 4503. Introduction to Polymer Chemistry. (4 cr.)

These courses require at least 6 credits (some require more) as pre-reqs

Total 23 credits

<table>
<thead>
<tr>
<th>Freshman – Fall (16 cr.)</th>
<th>Freshman – Spring (17 cr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem 1031&amp;1033 General Chemistry I (3+1 cr.)</td>
<td>Chem 1032&amp;1034 General Chemistry II (3+1 cr.)</td>
</tr>
<tr>
<td>Sophomore – Fall (15 cr.)</td>
<td>Sophomore – Spring (15 cr.)</td>
</tr>
<tr>
<td>Chem 2201&amp;2203 Organic Chemistry I (3+1 cr.)</td>
<td>Chem 2201&amp;2203 Organic Chemistry I (3+1 cr.)</td>
</tr>
<tr>
<td>Junior – Fall (15 cr.)</td>
<td>Junior – Spring (15 cr.)</td>
</tr>
<tr>
<td>Chem electives (4 cr.)</td>
<td>Chem electives (3 cr.)</td>
</tr>
<tr>
<td>Senior – Fall (15 cr.)</td>
<td>Senior – Spring (15 cr.)</td>
</tr>
</tbody>
</table>
The Chemistry Minor is 30 credits less than the Chemistry BA. These are the additional requirements that a student would need to complete the Chemistry BA:

10 additional Chemistry credits of the following (7 are already part of the minor)

- CHEM 3103 and 3105. Tech I lecture and lab (3+1 cr.)
- CHEM 3301. Physical Chemistry Lecture I. (3 cr.)
- CHEM 3302. Physical Chemistry Lecture II. (3 cr.)
- CHEM 3397. Physical Chemistry Laboratory I. (2 cr.)
- CHEM 3398. Physical Chemistry Laboratory II. (2 cr.)
- CHEM 4196. Techniques of Chemical Measurement II. (5 cr.)

12 additional Mathematics credits

- MATH 1041. Calculus I (4 cr.)
- MATH 1042. Calculus I (4 cr.)
- MATH 2043. Calculus I (4 cr.)

8 additional Physics credits

- PHYS 1061. Elementary Classical Physics I (4 cr.)
- PHYS 1062. Elementary Classical Physics II (4 cr.)