## CURRICULUM IN CHROMATOGRAPHY

### Required courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 515</td>
<td>Gas Chromatography</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 516</td>
<td>Liquid Chromatography</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a minimum of two courses from the following electives:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 500</td>
<td>Advanced Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 505</td>
<td>Spectroscopic Methods I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 508</td>
<td>Analytical Methods Development</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 509</td>
<td>Physcl Meths of Charztn</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 512</td>
<td>Spectroscopic Methods II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 542</td>
<td>Polymer Charact &amp; Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 543</td>
<td>Analytical Chem in Pharm Labs</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 544</td>
<td>Colloids&amp;Colloid Analysis</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 700</td>
<td>Practical Lab Analytical Chem</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 10-12

---

Gainful Employment Disclosure for Certificate in Chromatography