## University Credit Requirements for Graduation

- **40** A minimum of 40 Upper Division Credits required (ANY 300-400 level course) including credits shown above
- **124** A minimum of 124 Total Credits required (ANY 100-400 level course) including credits shown above
- **62** A minimum of 62 credits must be earned at a four-year institution
- **30** The last 30 credits must be completed in uninterrupted residence as a DECLARED major in the degree-granting college.

### General Education Core Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Required Course</th>
<th>Credits</th>
<th>Minimum grade passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition:</td>
<td>ENG 101</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>English Composition:</td>
<td>ENG 102</td>
<td>3</td>
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<tr>
<td>Literature:</td>
<td>Either ENG 231 or 232 (World Literature I or II)</td>
<td>3</td>
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<tr>
<td>United States and Nevada Constitution</td>
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<tr>
<td>Life &amp; Physical Sciences and Analytical Thinking: Exempt</td>
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<tr>
<td>Social Sciences:</td>
<td>3 courses in three different fields a single course may not simultaneously meet the Multicultural and International requirements</td>
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<tr>
<td>Multicultural Requirement:</td>
<td>(Multicultural issues within the United States only)</td>
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<td></td>
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<tr>
<td>International Requirement:</td>
<td>(International issues outside the United States only)</td>
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</tbody>
</table>

### Electives

- **SCI 101 Student Orientation** (REQUIRED for all first time freshmen who matriculate Fall 2007 forward)
- UNLV Upper Division electives: required ONLY to reach 40 Upper Division credits (these can be ANY 300-400 level courses offered at UNLV)
- UNLV electives: required ONLY to reach 124 total credits (these can be ANY 100-400 level courses offered at UNLV)

### Chemistry Major Course Requirements

- **CHEM 121/121L**: Corequisite MATH 127 or 128; prerequisite > C in CHEM 103; or pass Chem Pretest; see: [http://sciences.unlv.edu/Chemistry/policy.htm](http://sciences.unlv.edu/Chemistry/policy.htm)
- **CHEM 242 Organic Chemistry I**: 3 CHEM455 Instrumental Analysis Laboratory
- **CHEM 347 Laboratory Techniques of Organic Chemistry I**: 1 CHEM455L Instrumental Analysis Laboratory
- **CHEM 472 Advanced Inorganic Chemistry**: 3 CHEM474 Biochemistry I
- **CHEM 475 Quantitative Analysis**: 3 CHEM493 Senior Research I
- **CHEM 476 Quantitative Analysis Laboratory**: 2 CHEM494 Senior Research II
- **CHEM 492 Scientific Software for the Microcomputer**: 1 Two courses selected from: CHEM 312, 442, 472, 475, 476, and 492
- **CHEM 421 Physical Chemistry I**: 3 (1)
- **CHEM 422 Physical Chemistry II**: 3 (2)

### Related Course Requirements: Minimum Grade passing

- **MATH 181 Calculus I**: 4 **PHYS 180/180L Engineering Physics I**: 4
- **MATH 182 Calculus II**: 4 **PHYS 181/181L Engineering Physics II**: 4
- **MATH 283 Intermediate Calculus**: 3 **PHYS 182/182L Engineering Physics III**: 4
- **MATH 431 Mathematics for Scientists and Engineers I**: 3 Statistics Requirement:
  - **STAT 152, or 411-412, or 491-492**: 3

## University of Nevada, Las Vegas (UNLV)

### Department of Chemistry

**MPE-A 130 702-895-2077**

**CHE 106 702-895-3510**

This worksheet is provided as a reference starting point and is not a substitute or replacement for the requirements of the UNLV 2008-2010 catalog. If there are any conflicts with the UNLV catalog or omissions or inclusions different from the appropriate catalog within this worksheet, the appropriate catalog shall control. There shall be no exceptions to this policy. All students are responsible for and expected to know the requirements of the appropriate catalog as applied to their particular status.