## Major:

**CHEMISTRY / ENVIRONMENTAL CHEMISTRY**

## Valid For:

- **Lawrence Technological University 2008-2009 Catalog**
- **Delta College 2009-2010 Catalog**

### Delta College Courses Required vs. Lawrence Technological University Equivalencies

<table>
<thead>
<tr>
<th>Delta College</th>
<th>Lawrence Technological University</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Courses Required</strong></td>
<td><strong>Equivalencies</strong></td>
</tr>
</tbody>
</table>
| CHM 111 | CHM1213 UNIV CHEM 1  
|          | CHM1221 UNIV CHEM 1 LAB |
| PHY 211 | PHY2423 UNIV PHYSICS 1  
|          | PHY2431 UNIV PHYSICS LAB 1 |
| PHY 212 | PHY2423 UNIV PHYSICS 2  
|          | PHY2431 UNIV PHYSICS LAB 2 |
| MTH 161 | MCS1414 CALC 1 |
| MTH 162 | MCS1424 CALC 2 |
| MTH 261 | MCS2414 CALC 3 |
| CPS 165 | MCS1102 INTRO TO PROG |

### Mathematics

- **MTH 161**
- **MTH 162**
- **MTH 261**
- **CPS 165**

### Communications

- **ENG 111A or 112 or 211**
- **ENG 113**

### Humanities

Select Two Courses:
- **ART** 151, 152, 255, **LIT** 219, 220, 221, 222, 223, 228, 229, 241, 242, 245, 246, 260, 269, 271, 272, 274, 276, 277, 278, **MUS** 111

Select Two Courses:
- **HIS** 111, 112, 217, 215, 221, 222, 236, **IHU** 234, **GEO** 222, 223, 226, 255, **PHL** 211, 214, **PSY** 101, 211, 231, 241, **SOC** 211, 212, 215, 216, 221, 230, 231, 265, **POL** 103, 215, 221

### Social Science Courses

- **HIS** 111, 112, 217, 215, 221, 222, 236, **IHU** 234, **GEO** 222, 223, 226, 255, **PHL** 211, 214, **PSY** 101, 211, 231, 241, **SOC** 211, 212, 215, 216, 221, 230, 231, 265, **POL** 103, 215, 221

### Additional Transferable Courses

- **CHM 112**
- **CHM 210 + 210L**
- **CHM 220 + 220L**
- **CHM 221**
- **MTH 263**
- **MTH 264**

- **CHM 1223 UNIV CHEM 2**
- **CHM 1232 UNIV CHEM 2 LAB**
- **CHM 2313 ORGANIC CHEMISTRY 1**
- **CHM 2323 ORGANIC CHEMISTRY 2**
- **CHM 2332 ORGANIC CHEMISTRY 2 LAB**
- **CHMXXX3 CHEMISTRY ELECTIVE**
- **MCS3863 LINEAR ALGEBRA**
- **MCS2423 DIFFERENTIAL EQUATIONS**
<table>
<thead>
<tr>
<th>17 SEMESTER HOURS OF COLLEGE LEVEL COURSEWORK (CHEM MAJORS ONLY)</th>
<th>OPEN ELECTIVES (17 SEM HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 SEMESTER HOURS OF COLLEGE LEVEL COURSEWORK (ENVIRONMENTAL CHEM MAJORS ONLY)</td>
<td>OPEN ELECTIVES (3 SEM HOURS)</td>
</tr>
</tbody>
</table>

**PLEASE NOTE:**
- General Education requirements may be waived by one of the following methods:
  1. satisfying the MACRAO Agreement — transcript must be stamped “MACRAO Agreement Satisfied.”
  2. course by course transfer as indicated on this guide sheet.
  3. satisfactory completion of an articulation agreement where applicable.
- This transfer guide sheet is valid for the catalog dates shown.
- A maximum of 60 semester hours of community college coursework may transfer.
- All classes on the guide must have a grade of “C” or higher in order to transfer.
- We welcome and encourage you to contact an LTU Admissions Counselor early in your community college career to ensure maximum transfer of credit.
- Contact the Office of Admissions if you have questions or would like to schedule a campus tour or an appointment with an Admissions Counselor.

**THE FOLLOWING ARE PREREQUISITE COURSES AND DO NOT TRANSFER**

- MTH 097  Algebra 1
- MTH 109  Geometry
- MTH 111  Applied Algebra or MTH 119  Intermediate Algebra
- MTH 113  Applied Trigonometry or MTH 121  Plane Trigonometry
- CHM 101  General Chemistry 1
- PHY 101  Applied Physics

*Apprenticeship, trade, remedial, physical education, and basic study courses are not transferable.*

An evaluation of your current standing (under the LTU major of your choice) can be obtained by sending student copies of your transcripts to:

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LTU Office of Admissions
21000 W. 10 Mile Rd.
Southfield, MI  48075
Phone  (248)-204-3160
Fax       (248) 204-2228
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