Michigan Transfer Agreement (effective fall 2014 and later):

A student whose community college transcript is endorsed as "MTA satisfied" has satisfied WSU's General Education Requirements and will only be required to satisfy one of either a second course in English Composition or one course in Communications.

This agreement applies only to the general education program and does not exempt students from meeting requirements of their major, minor, or program. To determine if any requirements of your intended major or program might also satisfy an MTA requirement please refer to the [WSU bulletin](#).

Visit [our website](#) for more details about the Michigan Transfer Agreement.

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Course in English Composition</td>
<td>ENG 131 or 132</td>
</tr>
<tr>
<td>A second course in English Composition or Communication</td>
<td>ENG 201, 232, COM 231, 240, 250</td>
</tr>
<tr>
<td>(Only one is required to satisfy MTA, BOTH are required to meet WSU General Education Requirements)</td>
<td></td>
</tr>
<tr>
<td>One course in Mathematics</td>
<td>MAT 133, 135, 139, 141, 151, 154, 251, 254</td>
</tr>
<tr>
<td>Two courses in Social Sciences from different disciplines</td>
<td>ANT 131, CRJ 111, 117, ECN 231, 232, GEO 131, 132, HIS 231, 232, 235, PSY 140, 152, 245, 251, 252, 290, PLS 141, SOC 117, 152, 231, 235, 236, 246</td>
</tr>
<tr>
<td>Two courses in Humanities and Fine Arts from different disciplines</td>
<td>ART 111, 112, ENG 210, 236, 246, 247, 249, 252, 254, 255, 256, 257, FRN 131, 132, GER 131, 132, HIS 120, 131, 132, HUM 131, MUS 130, 131, 132, 151, 152, PHL 231, 232, 243, SPN 131, 132, 231, 232, THR 116</td>
</tr>
<tr>
<td>Two courses in Natural Sciences (one lab science required) from two disciplines</td>
<td>BIO 110, 132, 140, 158, 161, 162, 220, 231, 232, 253, 254, CEM 131, 132, 141, 142, GEL 109, 160, NSC 131, PHY 131, 150, 151, 231, 232, 251, 252</td>
</tr>
<tr>
<td>Additional courses in any category above to satisfy the minimum of 30 credits</td>
<td></td>
</tr>
</tbody>
</table>

Wayne State University
Transfer Plan for Jackson College
Chemistry—B.A. or B.S. Degree
College of Liberal Arts and Sciences
MACRAO Agreement:

Students who started at a community college prior to Fall 2014 will have until the end of August 2019 to have their transcripts evaluated by a community college for the MACRAO agreement. Wayne State University will continue to accept the MACRAO agreement with the following provisos:

- Students will be required to satisfy the University's mathematics General Education requirement, which can be accomplished by completion of a college-level math course with a minimum grade of 2.0/C, or appropriate scores on standardized tests (CLEP, Advanced Placement, ACT Math test, or Math Qualifying Exam.) College-level math is a course considered College Algebra or higher.
- Students must also satisfy all College requirements for their specific programs.

To qualify for the MACRAO General Education Transfer Agreement benefits, you must have a MACRAO certified transcript OR an Associate of Arts (A.A.) OR Associate of Science (A.S.) OR Associate of Baccalaureate Studies (A.B.S.) OR Associate of Liberal Arts (A.L.A.). The courses that will be covered or waived with this agreement are shaded. Anything not shaded are classes that still must be completed for your major.

### University General Education Requirements:

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Composition (BC)</td>
<td>ENG 131, 201</td>
</tr>
<tr>
<td>Intermediate Composition (IC)</td>
<td>ENG 132</td>
</tr>
<tr>
<td>Writing Intensive (WI)</td>
<td>Must be taken at WSU.</td>
</tr>
<tr>
<td>Critical Thinking (CT)</td>
<td>COM 233, PHL 232</td>
</tr>
<tr>
<td>Mathematics (MC)</td>
<td>Fulfilled by Major Requirements on page 3.</td>
</tr>
<tr>
<td>Oral Communication (OC)</td>
<td>COM 231, 234</td>
</tr>
<tr>
<td>American Society and Institutions (AI)</td>
<td>PLS 141</td>
</tr>
<tr>
<td>Foreign Culture (FC)</td>
<td>SPN 231</td>
</tr>
<tr>
<td>Historical Studies (HS)</td>
<td>HIS 120, 131, 132, 235</td>
</tr>
<tr>
<td>Life Sciences (LS)</td>
<td>BIO 110*, 131*, 220*, PSY 140</td>
</tr>
<tr>
<td>Note: One Life Science (LS) or Physical Science (PS) course must include a laboratory (LB). Courses that include a laboratory are indicated with an asterisk.</td>
<td></td>
</tr>
<tr>
<td>Physical Sciences (PS)</td>
<td>Fulfilled by Major Requirements on page 3.</td>
</tr>
<tr>
<td>Philosophy and Letters (PL)</td>
<td>ENG 246, 247, 249, 252, 255, 256, 257, HUM 131</td>
</tr>
<tr>
<td></td>
<td>PHL 231, 236, 243</td>
</tr>
<tr>
<td>Social Sciences (SS)</td>
<td>ANT 131, ECN 231, 232, GEO 132, SOC 152, 231</td>
</tr>
<tr>
<td>Visual and Performing Arts (VP)</td>
<td>ART 111, 112, ENG 210, MUS 130, 131, 132, THR 116</td>
</tr>
</tbody>
</table>

### College of Liberal Arts and Sciences Requirements:

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civilization &amp; Societies (CS)</td>
<td>Must be taken at WSU.</td>
</tr>
<tr>
<td>Third Course in Natural Science</td>
<td>Fulfilled by Major Requirements on page 3.</td>
</tr>
<tr>
<td>Completion of one foreign language through the third semester</td>
<td>SPN 231</td>
</tr>
<tr>
<td>A second Social Science course</td>
<td>ANT 131, ECN 231, 232, GEO 132, SOC 152, 231</td>
</tr>
</tbody>
</table>
**Major Requirements:**

### B.A. Degree Requirements

<table>
<thead>
<tr>
<th>WSU Course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1220 (PS) + 1230 (LB)</td>
<td>CEM 141</td>
</tr>
<tr>
<td>CHM 1240 + 1250</td>
<td>CEM 241</td>
</tr>
<tr>
<td>CHM 2220 + 2230</td>
<td>CEM 242</td>
</tr>
<tr>
<td>PHY 2170 (PS) + 2171(LB)</td>
<td>PHY 251</td>
</tr>
<tr>
<td>PHY 2180 + 2181</td>
<td>PHY 252</td>
</tr>
<tr>
<td>MAT 2010 (MC)</td>
<td>MAT 151</td>
</tr>
<tr>
<td>MAT 2020</td>
<td>MAT 154</td>
</tr>
<tr>
<td>MAT 2030</td>
<td>MAT 251</td>
</tr>
</tbody>
</table>

**Optional ACS Certification**

<table>
<thead>
<tr>
<th>WSU Course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 2030</td>
<td>MAT 251</td>
</tr>
</tbody>
</table>

### B.S. Degree Requirements

<table>
<thead>
<tr>
<th>WSU Course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1220 (PS) + 1230 (LB)</td>
<td>CEM 141</td>
</tr>
<tr>
<td>CHM 1240 + 1250</td>
<td>CEM 241</td>
</tr>
<tr>
<td>CHM 2220 + 2230</td>
<td>CEM 242</td>
</tr>
<tr>
<td>PHY 2170 (PS) + 2171 (LB)</td>
<td>PHY 251</td>
</tr>
<tr>
<td>PHY 2180 + 2181</td>
<td>PHY 252</td>
</tr>
<tr>
<td>MAT 2010 (MC)</td>
<td>MAT 151</td>
</tr>
<tr>
<td>MAT 2020</td>
<td>MAT 154</td>
</tr>
<tr>
<td>MAT 2030</td>
<td>MAT 251</td>
</tr>
<tr>
<td>MAT 2350</td>
<td>MAT 254</td>
</tr>
</tbody>
</table>

### Additional requirements for a Concentration in Biochemistry

<table>
<thead>
<tr>
<th>WSU Course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1510 (LS) + (LB)</td>
<td>BIO 131</td>
</tr>
<tr>
<td>BIO 2200 (LS) + (LB)</td>
<td>BIO 220</td>
</tr>
<tr>
<td>MAT 2350</td>
<td>MAT 254</td>
</tr>
</tbody>
</table>

This plan is based on the 2014-2015 Jackson College Catalog and the Wayne State University 2013-2015 Undergraduate Bulletin.

This plan is a guide for students who wish to begin their coursework at Jackson College and transfer into the Chemistry program offered by the College of Liberal Arts and Sciences at Wayne State University.

No more than 64 hours from a two-year school will apply toward a Wayne State University degree, though all earned hours which transfer will be listed on the Wayne State University student record.

Please see an academic advisor at Wayne State University for a complete major plan. Information about Wayne State University is available at [www.wayne.edu](http://www.wayne.edu) or may be requested by calling 1-877-WSU INFO (1-877-978-4636).