### BIOMEDICAL LABORATORY SCIENCE MAJOR

Sample Course Plan 2013 – 2014

[bld.msu.edu](http://bld.msu.edu)

<table>
<thead>
<tr>
<th>YEAR</th>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
<th>Summer Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>CEM 141</td>
<td>General Chemistry</td>
<td>4</td>
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<tr>
<td></td>
<td>CEM 161</td>
<td>Chemistry Lab I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MTH 116</td>
<td>College Algebra &amp; Trigonometry</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>WRA or Writing, Rhetoric, American Culture</td>
<td>or</td>
<td>MTH 124/132</td>
</tr>
<tr>
<td></td>
<td>ISS 2XX*</td>
<td>Integrative Studies in Social, Behavioral and Economic Sciences</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Term Credits</td>
<td>14</td>
<td>Term Credits</td>
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<tr>
<td>Sophomore</td>
<td>BLD 213</td>
<td>Applic of Clinical Lab Principles</td>
<td>2</td>
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<tr>
<td></td>
<td>CEM 251</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 231</td>
<td>Introductory Physics I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSL 310</td>
<td>Physiology for Pre-Health Professionals</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>Elective</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Term Credits</td>
<td>16</td>
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<tr>
<td>Junior</td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>BLD 434</td>
<td>Clinical Immunology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BLD 324</td>
<td>Fundamental Heme, Coag, Urine</td>
<td>3</td>
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<tr>
<td></td>
<td>ISS 2XX*</td>
<td>Integrative Studies in Social, Behavioral and Economic Sciences</td>
<td>4</td>
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<tr>
<td></td>
<td>Elective</td>
<td>Elective</td>
<td>3</td>
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<tr>
<td></td>
<td>Term Credits</td>
<td>16</td>
<td>Term Credits</td>
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<tr>
<td>Senior</td>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td></td>
<td>MMG 463</td>
<td>Medical Microbiology</td>
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<tr>
<td></td>
<td>IAH 2XX*</td>
<td>Integrative Studies in Arts &amp; Humanities</td>
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<td>BLD 416</td>
<td>Clinical Chemistry</td>
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<tr>
<td></td>
<td>Elective</td>
<td>Elective</td>
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</table>

**Total Credits:** 120

*Approved course substitutions include:*

- BMB 401(4) - BMB 461 (3) and BMB 462 (3)
- CEM 162(1) - CEM 262 (2)
- MTH 132(3) - MTH 124 (3)
- MMG 201 (3) – MMG 301 (3)
- PSL 310(4) - PSL 431(3) and PSL 432 (3) or PSL 250(4)
- STT 201(4) - STT 200 (3) or STT 231 (4)

*Electives to complete premedical requirements:*

- PHY 251 (1)
- CEM 255 (2)
- BS 162 (3)
- BS 172 (2)
- PHY 252 (1)
- CEM 142 (3)
- ZOL 341 (4)

**NOTE:** For an updated list for premed requirements, consult with the preprofessional academic advisor

*Many of the courses in the Arts and Humanities and Social, Behavioral, and Economic Sciences arenas, emphasize national diversity (designated “N” at the end of the course title), or international and multi-cultural diversity (designated “I” at the end of the course title). Some courses emphasize both national diversity, and international and multi-cultural diversity (designated “D” at the end of the course title). Students must include at least one “N” course and one “I” course in their Integrative Studies programs. A “D” course may meet either an “N” or an “I” requirement but not both.*

**Electives expected by clinical sites for students applying for post-Baccalaureate internships:**

- MMG 464 (2) FS Senior Year
- BLD 413 (1) SS Senior Year

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Students are eligible to apply for post-baccalaureate internships at an approved hospital program and are qualified to take the national certification exam after their clinical experience.

Post-Baccalaureate Internship Programs in Michigan 2013 – 2014

DETROIT
DMC – University Laboratories
Joyce Salancy, MS, MT(ASCP)
Program Director – Medical Technology
4201 St. Antoine, Room 3C15–UHC
Detroit, MI 48201
313-993-0482
jsalancy@dmc.org
www.dmcul.org

FLINT
Hurley Medical Center
Beth Friedt, MT(ASCP)
Program Director – Medical Technology
One Hurley Plaza
Flint, MI 48503-5993
810-262-9180
Bfriedt1@hurleymc.com
http://education.hurleymc.com/allied/school-medical-technology

GROSSE POINTE WOODS
St. John Providence Health Laboratories
Dawn Taylor, MA, MLS(ASCP)CM
Program Director – Manager of Laboratory Education
Program Supervisor - School of Medical Technology
19251 Mack Avenue, Suite 101
Grosse Pointe Woods, MI 48236
313-343-3433
Dawn.taylor@stjohn.org
www.stjohn.org/labcareers

ROYAL OAK
Beaumont Health System
Nancy Ramirez, MS, MLS(ASCP)CM SH
Program Director – Beaumont School of Medical Technology
3601 W. Thirteen Mile Road
Royal Oak, MI 48073-6769
248-898-1904
nramirez@beaumont.edu
www.beaumonthospitals.com/alliedhealth

Post-Baccalaureate – Out of State
www.naacls.org/search/programs.asp