<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Studies</td>
<td>34</td>
</tr>
<tr>
<td>Major courses</td>
<td>31</td>
</tr>
<tr>
<td>Required ancillary courses</td>
<td>8</td>
</tr>
<tr>
<td>Minor courses</td>
<td>18 min</td>
</tr>
<tr>
<td>Electives</td>
<td>29</td>
</tr>
<tr>
<td>Total to graduate (min. 40 hrs upper division)</td>
<td>120 min</td>
</tr>
</tbody>
</table>

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

**GENERAL STUDIES LEVEL I** Complete during your first 30 credit hours at Metro

**Composition**
- ENG 1010-3  Freshman Comp: the Essay
- ENG 1020-3  Freshman Comp: Anal., Rsrch & Docum.

**Mathematics**
- MTH 1110-4  College Algebra-or higher level math

**Communications**
- -3

**GENERAL STUDIES LEVEL II**

**Historical**
- -3

**Arts & Letters**
- -3
- -3

**Social Sciences**
- -3
- -3

**Natural Sciences**
- -3
- -3

**Multicultural Requirement** (may be satisfied within General Studies, major, minor or electives)
- -3

**MAJOR COURSES** - Consult a Physics faculty advisor

- *PHY 2311-4  General Physics I
- *PHY 2321-1  General Physics I Lab
- *PHY 2331-4  General Physics II
- *PHY 2341-1  General Physics II Lab
- PHY 2711-3  Vibration and Waves
- PHY 2811-4  Modern Physics I
- PHY 3011-3  Modern Physics II
- PHY 3711-2  Physics Lab I
- PHY 4921-1  Physics Senior Seminar (Senior Experience)

*A one-year sequence of PHY 2010-PHY 2020-PHY 2030-PHY 2040 may be substituted for the PHY 2311-PHY 2331-PHY 2321-PHY 2341 requirements with the consent of the Physics Department.

**PHYSICS ELECTIVES**
A minimum of 8 additional credit hours of upper-division physics, 2 credit hours of which must be from either PHY 4611 or PHY 4711.

**Required Ancillary Courses** see prerequisites in catalog.mscd.edu

- MTH 1410-4  Calculus I
- MTH 2410-4  Calculus II

**MINOR (Required)**

**ELECTIVES**