**Physics Major – Required Courses**

<table>
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<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Credits</th>
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<th>Scheduled</th>
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<td>PHY 230</td>
<td>Principles of Physics I</td>
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<td>PHY 302</td>
<td>Introduction to Modern Physics</td>
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<td>CHM 115</td>
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<td>MTH 201</td>
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<td>MTH 227</td>
<td>Linear Algebra I (if taking MTH 304)</td>
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<td>MTH 302</td>
<td>Linear Algebra &amp; Differential Equations</td>
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**Total Credits Needed:** 86 – 87

**Cumulative GPA:** _____

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*This planned program is based on the requirements in place for the current catalog year. You are subject to the requirements in place for the academic year when you begin to take classes, either at GVSU or elsewhere, and have eight years to complete all requirements under that specific catalog. If you do take courses elsewhere, you will need to provide GVSU with an official transcript upon completion of the courses. To confirm the courses required for completion of your academic and teaching plans, please contact the CLAS Academic Advising Center at 616-331-8585 or advstu@gvsu.edu.*
Special Considerations:

1 All students seeking teacher certification are required to assist for at least 30 clock hours in the department’s tutoring program or at least 30 clock hours as a laboratory assistant setting up equipment and demonstrations as well as helping students in a laboratory setting. Required reading and experience in laboratory safety will be part of this laboratory setting.

2 HSC 201/202 and BIO 328/338 are the recommended History of Science and Bioethics courses. Students may propose similar courses, if taken elsewhere, to fulfill this requirement.

3 These electives must be chosen from the following: PHY 105 (requirement for secondary certification); any 300 or 400 level physics elective, excluding PHY 303, 306, and 307; CHM 351, 352, 356, or 358.

Notes:

Substitutions, Equivalencies, and Waivers Approved By: Date:

Prepared By: Date:

Academic Departmental Approval (Pending Completion of Highlighted Requirements): Date: