An Ethics course (such as PHIL 11100 Ethics, PHIL 27000 Biomedical Ethics, or PHIL 29000 Environmental Ethics) is highly recommended for students pursuing the PRMP concentration.

All students must complete 32 credits of 30000 level or higher courses at Purdue for graduation.
HSCI Humanities, Behavioral/Social Sciences Selectives List
- select any 10000-59999 course(s) from the following subjects:
  - American Sign Language (ASL)
  - Anthropology (ANTH)
  - Arabic (ARAB)
  - Art & Design (AD)
  - Chinese (CHNS)
  - Classics (CLCS)
  - Communication (COM)
  - Dance (DANC)
  - Economics (ECON)
  - English (ENGL)
  - French (FR)
  - German (GER)
  - Greek (GREK)
  - Hebrew (HEBR)
  - History (HIST)
  - Interdisciplinary Studies (IDIS)
  - Italian (ITAL)
  - Japanese (JPNS)
  - Korean (KOR)
  - Latin (LTN)
  - Music (MUS)
  - Philosophy (PHIL)
  - Political Science (POL)
  - Portuguese (PTGS)
  - Psychology (PSY)
  - Russian (RUS)
  - Sociology (SOC)
  - Spanish (SPAN)
  - Theatre (THTR)

Math-Computer Science Selective List
- CS 15900  C Programming
- CS 18000  Problem Solving & Object-Oriented Programming
- CS 31400  Numerical Methods
- CS 47800  Introduction to Bioinformatics
- MA 26200  Linear Algebra and Differential Equations
- MA 41600  Probability
- MA 52700  Advanced Mathematics for Engineers and Physicists I
- MA 52800  Advanced Mathematics for Engineers and Physicists II
- PHYS 58000  Computational Physics
- STAT 31100  Introductory Probability
- STAT 51200  Applied Regression Analysis

Radiological Health Sciences Selective List for PRMP
- AT 57200  Human Error and Safety
- BIOL 41500  Introduction To Molecular Biology
- BIOL 44400  Human Genetics
- BIOL 51600  Molecular Biology Of Cancer
- BIOL 54200  Animal Cell Culture
- CHM 22400  Introductory Quantitative Analysis
- CHM 25500  Organic Chemistry
- CHM 25501  Organic Chemistry Laboratory
- CHM 25600  Organic Chemistry
- CHM 25601  Organic Chemistry Laboratory
- HSCI 31000  Imaging in Medicine
- HSCI 34500  Introduction To Occupational and Environmental Health Sciences
- HSCI 41500  Introduction to Nuclear and Radiological Source Security
- HSCI 54700  Fundamentals of Epidemiology
- HSCI 55100  Physical Agents in Environmental Health
- HSCI 55200  Introduction to Aerosol Science
- HSCI 56000  Toxicology
- HSCI 58000  Occupational Biomechanics and Ergonomics
- PHIL 27000  Biomedical Ethics
- PHIL 29000  Environmental Ethics
- PHIL 35000  Philosophy and Probability
- PHYS 22000  General Physics
- PHYS 22100  General Physics
- PHYS 31000  Intermediate Mechanics
- PHYS 36000  Quantum Mechanics
- PHYS 55000  Introduction To Quantum Mechanics
- PHYS 55600  Introductory Nuclear Physics
- PHYS 56400  Introduction To Elements Particle Physics
- PHYS 56500  Introduction To Elementary Particle Physics II
- PUBH 40500  Principles of Epidemiology

University Foundational Learning Outcomes List: https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html

A student may elect the Pass / Not-Pass (P/NP) grading option for elective courses only, unless an academic unit requires that a specific departmental course/s be taken P/NP. Students may elect to take University Core Curriculum courses P/NP; however, some major Plans of Study require courses that also fulfill UCC foundational outcomes. In such cases, students may not elect the P/NP option. A maximum of 24 credits of elective courses under the P/NP grading option can be used toward graduation requirements. For further information, students should refer to the College of Health and Human Sciences P/NP Policy.

Students are encouraged to use this advising worksheet as a resource when planning progress toward completion of degree requirements. An Academic Advisor may be contacted for assistance in interpreting this worksheet. This worksheet is not an academic transcript, and it is not official notification of completion of degree or certificate requirements. The University Catalog is the authoritative source for displaying plans of study. The student is ultimately responsible for knowing and completing all degree requirements.
Pre-Medical Physics Concentration

College of Health and Human Sciences

120 credits

Suggested Arrangement of Courses:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 1st Year</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>*BIOL 11000CC</td>
<td></td>
<td>4</td>
<td>*BIOL 11000CC</td>
<td>BIOL 11000</td>
</tr>
<tr>
<td>4</td>
<td>*CHM 11500CC</td>
<td>MA 15400 or MA 15800 or ALEKS = 75</td>
<td>4</td>
<td>*CHM 11600CC</td>
<td>CHM 11200 or 11500</td>
</tr>
<tr>
<td>3</td>
<td>*COM 11400CC</td>
<td></td>
<td>3-3</td>
<td>*ENGL 10600 OR 10800CC</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>HSCI 10100 Fall only</td>
<td></td>
<td>5-4</td>
<td>^*MA 16200 or 16600CC</td>
<td>MA 16500 or 16100 = C-</td>
</tr>
<tr>
<td></td>
<td>^*MA 16100 or 16500CC ALEKS = 85</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17-18</td>
<td></td>
<td></td>
<td>15-17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 2nd Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 2nd Year</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>*HSCI 20200 Fall only</td>
<td>3 credits in BIOL &amp; CHM</td>
<td>3</td>
<td>*HSCI 20100 Spring only</td>
<td>Classification of 03</td>
</tr>
<tr>
<td>4</td>
<td>*MATH 26100</td>
<td>MA 16200 or 16600 = C-</td>
<td>4</td>
<td>*MA 26200</td>
<td>MA 26100 = C-</td>
</tr>
<tr>
<td>4</td>
<td>^*PHYS 17200 CC</td>
<td>MA 16100 or 16500 or ALEKS = 85</td>
<td>3</td>
<td>*PHYS 24100</td>
<td>PHYS 17200</td>
</tr>
<tr>
<td>3</td>
<td>*STAT 30100</td>
<td></td>
<td>1</td>
<td>PHYS 25200</td>
<td>PHYS 24100 or may be taken concurrently</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>HSCI Humanities Sel.</td>
<td>Select from HSCI list</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 3rd Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 3rd Year</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>*BIOL 20300CC Fall only</td>
<td></td>
<td>4</td>
<td>*BIOL 20400CC Spring only</td>
<td>BIOL 20300</td>
</tr>
<tr>
<td>3</td>
<td>^*HSCI 31200 Fall only</td>
<td>MA 16600 or 16200 &amp; PHYS 17200 or NUCL 20000</td>
<td>2</td>
<td>^*HSCI 51400 Spring only</td>
<td>HSCI 31200</td>
</tr>
<tr>
<td>2</td>
<td>^*HSCI 31300 Fall only</td>
<td>MA 16600 or 16200 &amp; PHYS 17200 or NUCL 20000</td>
<td>3</td>
<td>^*HSCI 54000 Spring only</td>
<td>BIOL 11000 &amp; HSCI 31200</td>
</tr>
<tr>
<td>3</td>
<td>PHYS 34200</td>
<td>PHYS 24100</td>
<td>3</td>
<td>MA/CS Science Selective</td>
<td>Select from list</td>
</tr>
<tr>
<td>1</td>
<td>PHYS 34000</td>
<td>PHYS 24100 &amp; 34200 may be taken concurrently</td>
<td>3</td>
<td>*Humanities BSS Sel.</td>
<td>Select from University list</td>
</tr>
<tr>
<td>3</td>
<td>English Selective</td>
<td>Select any 20000 or above ENGL course</td>
<td></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Fall 4th Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 4th Year</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>HSCI 52600 Fall only</td>
<td>HSCI 31200</td>
<td>3</td>
<td>^*HSCI 57000 Spring only</td>
<td>HSCI 31200 &amp; MA 26200</td>
</tr>
<tr>
<td>2</td>
<td>^HSCI 57400 Fall only</td>
<td>HSCI 31200 &amp; MA 26100 &amp; PHYS 24100</td>
<td>3</td>
<td>^HSCI 57200 Spring only</td>
<td>HSCI 31200 &amp; MA 26100 &amp; PHYS 24100</td>
</tr>
<tr>
<td>3</td>
<td>Physics Selective</td>
<td>PHYS 31000, 36000, or 55600 suggested</td>
<td>3</td>
<td>Physics Selective</td>
<td>PHYS 31000, 36000, or 55600 suggested</td>
</tr>
<tr>
<td>3</td>
<td>^Humanities Selective</td>
<td>Select from University list</td>
<td>3</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>RADH HSCI Selective</td>
<td>Select from list</td>
<td>3</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

*Satisfies a University Core Requirement.

CC Critical Course – a course that a student must be able to pass to persist and succeed in a particular major.

^A minimum grade of C must be earned in HSCI 31200, HSCI 31300, HSCI 51400, HSCI 54000, HSCI 57000, HSCI 57200, HSCI 57400; MA 16100/16200 or MA 16500/16600; and PHYS 17200, and they cannot be taken as pass/no pass.

Students must complete 32 credit hours of 30000 level or higher courses at Purdue University for graduation. 120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion.

Fall 2023