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.

120 credits required for Bachelor of Science degree

Must earn a grade of “C” or higher 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.

5/2024
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
- ECE 20875 Python for Data Science
- 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
- ECE 20875 Python for Data Science
- ECE 26400 Advanced C Programming
- ECE 30100 Signals and Systems
- ECE 30200 Probabilistic Methods in Electrical and Computer Engineering
- ECE 36800 Data Structures
- ECE 36900 Discrete Mathematics for Computer Engineering
- ECE 43800 Digital Signal Processing with Applications
- ECE 47300 Introduction to Artificial Intelligence
- ECE 49595 Selected Topics in Electrical and Computer Engineering Titles: Data Mining Basic Concepts & Techniques; Cameras, Images, and Statistical Inverse Problems
- ECE 50024 Machine Learning
- ECE 56900 Introduction to Robotic Systems
- ECE 59500 Selected Topics in Electrical Engineering Titles: Intro to Deep Learning; Deep Learning for Computer Vision; Natural Language Processing; Introduction to Data Mining
- HSCI 30500 Basics of Oncology
- 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 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

RADH-PRMP 5/2024
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>
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<tr>
<td>4</td>
<td>*BIOL 11000 CC</td>
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<tr>
<td>4</td>
<td>*CHM 11500 CC</td>
<td>MA 15400 or MA 15800 or ALEKS = 75</td>
<td>4</td>
<td>*CHM 11600 CC</td>
<td>CHM 11200 or 11500</td>
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<tr>
<td>3</td>
<td>*COM 11400 CC</td>
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<td>*ENGL 10600 OR 10800 CC</td>
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<td>2</td>
<td>HSCI 10100 Fall only</td>
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<td>5-4</td>
<td>^*MA 16200 or 16600 CC</td>
<td>MA 16500 or 16100 = C-</td>
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<tr>
<td>2</td>
<td>^*MA 16100 or 16500 CC</td>
<td>ALEKS = 85</td>
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<td>17-18</td>
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<tr>
<th>Credits</th>
<th>Fall 2nd Year</th>
<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 2nd Year</th>
<th>Prerequisite</th>
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<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>
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<td>*MATH 26100</td>
<td>MA 16200 or 16600 = C-</td>
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<td>*MA 26200</td>
<td>MA 26100 = C-</td>
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<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>
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<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>
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<td></td>
<td>3</td>
<td>HSCI Humanities Sel.</td>
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<th>Prerequisite</th>
<th>Credits</th>
<th>Spring 3rd Year</th>
<th>Prerequisite</th>
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<tr>
<td>4</td>
<td>*BIOL 20300 CC Fall only</td>
<td></td>
<td>4</td>
<td>*BIOL 20400 CC Spring only</td>
<td>BIOL 20300</td>
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<td>3</td>
<td>^HSCI 31200 Fall only</td>
<td>MA 16101, 16100, or 16500 &amp; PHYS 22100, 23400, 24100, 27200 or NUCL 20000</td>
<td>2</td>
<td>^HSCI 51400 Spring only</td>
<td>HSCI 31200</td>
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<tr>
<td>2</td>
<td>^HSCI 31300 Fall only</td>
<td>MA 16101, 16100, or 16500 &amp; PHYS 22100, 23400, 24100, 27200 or NUCL 20000</td>
<td>3</td>
<td>^HSCI 54000 Spring only</td>
<td>BIOL 11100 &amp; HSCI 31200</td>
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<td>3</td>
<td>PHYS 34200</td>
<td>PHYS 24100</td>
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<td>MA/CS Science Selective</td>
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<td>PHYS 34000</td>
<td>PHYS 24100 &amp; 34200 may be taken concurrently</td>
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<td>^Humanities BSS Sel.</td>
<td>Select from University list</td>
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<td>English Selective</td>
<td>Select any 20000 or above ENGL course</td>
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<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>
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<td>^HSCI 57400 Fall only</td>
<td>HSCI 31200 &amp; PHYS 24100</td>
<td>3</td>
<td>^HSCI 57200 Spring only</td>
<td>HSCI 31200 &amp; MA 26100 &amp; PHYS 24100</td>
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<td>Physics Selective</td>
<td>PHYS 31000, 36000, or 55600 suggested</td>
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<td>Physics Selective</td>
<td>PHYS 31000, 36000, or 55600 suggested</td>
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<tr>
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<td>^Humanities Selective</td>
<td>Select from University list</td>
<td>3</td>
<td>Elective</td>
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<tr>
<td>3</td>
<td>RADH HSCI Selective</td>
<td>Select from list</td>
<td>3</td>
<td>Elective</td>
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</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 2024