All students must complete 32 credits of 30000 level or higher courses at Purdue for graduation.

An Ethics course (such as PHIL 11100 Ethics or PHIL 29000 Environmental Ethics) is highly recommended.
### General Science Selective List

- 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
- CHM 33300 Principles of Biochemistry
- HK 44500 Principles of Epidemiology
- HSCI 34500 Introduction To Occupational and Environmental Health Science
- HSCI 54700 Fundamentals of Epidemiology
- HSCI 55100 Physical Agents in Environmental Health
- HSCI 55200 Introduction to Aerosol Science
- HSCI 56000 Toxicology
- HSCI 58000 Occupational Safety and Ergonomics
- PHIL 27000 Biomedical Ethics
- PHIL 29000 Environmental Ethics
- 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

### Health Physics Selective List

- HSCI 39000 Radiological Emergency Management
- HSCI 41500 Introduction to Nuclear and Radiological Source Security
- HSCI 48500 Health Physics Internship
- HSCI 54700 Fundamentals of Epidemiology
- HSCI 55100 Physical Agents in Environmental Health
- HSCI 55200 Introduction to Aerosol Science
- HSCI 59000 Public Health Law and Policy
- ME 20000 Thermodynamics I
- ME 27000 Basic Mechanics I
- NRES 28000 Hazardous Waste Handling
- NUCL 30000 Nuclear Structure and Radiation Interactions
- NUCL 31000 Introduction to Neutron Physics
- NUCL 35000 Nuclear Thermal-Hydraulics I
- NUCL 35100 Nuclear Thermal-Hydraulics II
- NUCL 50100 Nuclear Engineering Principles
- NUCL 50300 Radioactive Waste Management
- NUCL 50400 Nuclear Engineering Experiments
- NUCL 51000 Nuclear Reactor Theory I

### Math-Computer Science Selective List

- CS 15800 C Programming
- CS 15900 Programming Applications for Engineers
- CS 18000 Problem Solving and 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 HLPH

- HSCI 19000, 29000, 39000, 49000, or 59000 - Special Topics in Radiological Health Sciences
- HSCI 31000 Imaging in Medicine
- HSCI 57000 Introduction to Medical Diagnostic Imaging
- HSCI 57200 Radiation Oncology Physics
- NUPH 55000 Introduction to Positron Emission Tomography

### HSCI Humanities, Behavioral/Social Sciences Selective List - select any 10000-59999 course(s) from the following subjects:

- Anthropology (ANTH)
- Art & Design (AD)
- Classics (CLCS)
- Communication (COM)
- Dance (DANC)
- Economics (ECON)
- English (ENGL)
- Foreign Languages & Literatures (FLL)
- History (HIST)
- Interdisciplinary Studies (IDIS)
- Music (MUS)
- Philosophy (PHIL)
- Political Science (POL)
- Psychology (PSY)
- Sociology (SOC)
- Theatre (THTR)

### University Foundational Learning Outcomes List: [Link](https://www.purdue.edu/provost/initiatives/curriculum/course.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-HLPH 5/2018
**Suggested Arrangement of Courses:**

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<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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<td>4</td>
<td><em>BIOL 11000</em>*</td>
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<td><em>ENGL 10600 OR 10800</em>*</td>
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<td>MA 16500 or 16100 = C-</td>
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<td>^HSCI 51400 Spring only</td>
<td>HSCI 31200</td>
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<td>NUCL 20500</td>
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<th>Spring 4th Year</th>
<th>Prerequisite</th>
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<td>HSCI 31200</td>
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<td>^HSCI 53400 Spring only</td>
<td>HSCI 31200</td>
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</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, 31300, 51400, 52600, 53400, 54000, and 57400, and they cannot be taken as pass/no pass.

Students must complete 32 credit hours of 30000 level or higher courses for graduation at Purdue University.

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.