

Student: _____ PUID: _____ Catalog Term: _____

Additional Majors: _____ Minors: _____

Occupational Health Science Core (University Foundational Learning Outcomes) (26-27 credits)

- ____ (4-3) ENGL 10600 First-Year Composition or ENGL 10800 Accelerated First-Year Composition [**Written Communication**]
and [Information Literacy]
- ____ (3) COM 11400 Fundamental of Speech Communication or COM 21700 Science Writing & Presentations [**Oral Communication**]
- ____ (4) BIOL 11000 Fundamentals of Biology I [**Fulfills 1 Science Core Course**]
- ____ (4) BIOL 11100 Fundamentals of Biology II [**Fulfills 1 Science Core Course**]
- ____ (3) _____ [**Humanities**] *select course from University list*
- ____ (3) POL 22300 Introduction to Environmental Policy [**Behavior/Social Science**]
- ____ (3) MA 16010 Applied Calculus I [**Quantitative Reasoning**]
- ____ (3) HSCI 20100 Principles of Public Health Science [**Science, Technology & Society**]

Required Courses for Occupational Health Science (83 credits)

- ____ (4) BIOL 20300 Human Anatomy & Physiology
- ____ (4) BIOL 20400 Human Anatomy & Physiology
- ____ (3) CE 35000 Environmental Engineering
- ____ (4) CHM 11500 General Chemistry
- ____ (4) CHM 11600 General Chemistry
- ____ (4) CHM 22400 Quantitative Analysis
- ____ (4) CHM 25700 Organic Chemistry
- ____ (1) CHM 25701 Organic Chemistry Lab
- ____ (3) CHM 33300 Principles of Biochemistry
- ____ (3) _____ *English Selective – select from list*
- ____ (3) HK 44500 Principles of Epidemiology
- ____ (2) HSCI 10100 Introduction to Health Sciences Professions
- ____ (3) HSCI 20200 Essentials of Environmental, Occupational, and Radiological Health Sciences
- ____ (3) HSCI 34500* Introduction to Occupational and Environmental Health Sciences (must earn a grade of “C” or higher)
- ____ (4) HSCI 34600* Industrial Hygiene Engineering Control (must earn a grade of “C” or higher)
- ____ (3) HSCI 34800* Industrial Hygiene Instrumentation Techniques (must earn a grade of “C” or higher)
- ____ (2) HSCI 44500 Industrial Hygiene Internship**
- ____ (3) HSCI 44600* Applied Industrial Hygiene (must earn a grade of “C” or higher)
- ____ (3) HSCI 56000 Toxicology
- ____ (3) HSCI 58000* Occupational Ergonomics (must earn a grade of “C” or higher)
- ____ (3) IT 35100 Advanced Industrial Safety & Health Management or IT 28100 Industrial Safety
- ____ (3) MA 16020 Applied Calculus II
- ____ (3) OLS 25200 Human Relations in Organizations or OLS 27400 Applied Leadership
- ____ (4) PHYS 23300 Physics for Life Sciences I
- ____ (4) PHYS 23400 Physics for Life Sciences II
- ____ (3) STAT 30100 Elementary Statistical Methods

HSCI Humanities, Behavioral/Social Sciences Selectives – select from list (3 credits)

- ____ (3) _____ *select course from HSCI Humanities, Behavior/Social Sciences list*

Electives (7-8 credits)

____ () _____ ____ () _____ ____ () _____ ____ () _____

***A grade of “C” or higher must be earned in HSCI 34500, 34600, 34800, 44600 and 58000.**

**An internship is strongly recommended but is *not* required; HSCI 44500 can be taken as an elective if the student has had a previous acceptable industrial hygiene work experience.

An Ethics course (such as PHIL 11100 Ethics or PHIL 29000 Environmental Ethics) is highly recommended.

**All students must complete 32 credits of 30000 level or higher courses at Purdue for graduation.
120 credits required for Bachelor of Science degree**

University Foundational Learning Outcomes List:

<https://www.purdue.edu/provost/initiatives/curriculum/course.html>

English Selective List

ENGL 23000 Great Narrative Works
ENGL 26600 World Literature: From The Beginnings To 1700 A.D.
ENGL 26700 World Literature: From 1700 A.D. To The Present
ENGL 30400 Advanced Composition
ENGL 30600 Introduction To Professional Writing
ENGL 42000 Business Writing
ENGL 42100 Technical Writing

HSCI Humanities, Behavioral/Social Sciences Selectives List - select any 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)

Name _____

School of Health Sciences (HSCI)

Minor(s) _____

PUID _____

OCCUPATIONAL HEALTH SCIENCE (OCCH)

OCCH

120 credit hours required

| Freshman Year | First Semester | Sem/Yr | Grade |
|---|---|--------|-------|
| BIOL 11000 (4) (S)* | Fundamentals of Biology I | | |
| CHM 11500 (4) (S)* | General Chemistry I (MA 15400, 15800, 15900 or calculus placement) | | |
| ENGL 10600 (4) or ENGL 10800 (3) (WC, IL)* | First-Year English Composition or Accelerated First-Year Composition | | |
| HSCI 10100 (2) | Intro to Health Science Professions Fall only | | |
| MA 16010 (3) (QR)* | Applied Calculus I (ALEKS = 75 or MA 15400 or 15800 = C-) | | |
| Total Credits = 16 - 17 | | | |

| | Second Semester | Sem/Yr | Grade |
|--|---|--------|-------|
| BIOL 11100 (4) (S)* | Fundamentals of Biology II (BIOL 11000) | | |
| CHM 11600 (4) (S)* | General Chemistry II (CHM 11200 or CHM 11500) | | |
| COM 11400 (3) or COM 21700 (3) (OC)* | Fundamentals of Speech Communication or Science Writing and Presentation | | |
| MA 16020 (3) (QR)* | Applied Calculus II (MA 16010 = C-) | | |
| Total Credits = 14 | | | |

| Sophomore Year | Third Semester | Sem/Yr | Grade |
|--------------------------|--|--------|-------|
| BIOL 20300 (4) (S)* | Human Anatomy & Physiology I Fall only | | |
| CHM 25700 (4) | Organic Chemistry (CHM 11200 or CHM 11600) | | |
| CHM 25701 (1) | Organic Chemistry Laboratory (CHM 25700 co-req) | | |
| HSCI 20200 (3) (STS)* | Essentials of EH, OH and RH Fall only (3 credits in BIOL & CHM) | | |
| PHYS 23300 (4) | Physics for Life Sciences I (CHM 11500 & BIOL 11100 & MA 16020) | | |
| Total Credits = 16 | | | |

| | Fourth Semester | Sem/Yr | Grade |
|--------------------------|---|--------|-------|
| BIOL 20400 (4) (S)* | Human Anatomy & Physiology II Spring only (BIOL 20300) | | |
| CHM 22400 (4) | Quantitative Analysis Spring only (CHM 11200 or CHM 11600) | | |
| HSCI 20100 (3) (STS)* | Principles of Public Health Sciences Spring only (Classification of at least 03) | | |
| PHYS 23400 (4) | Physics for Life Sciences II (PHYS 23300) | | |
| Total Credits = 15 | | | |

| Junior Year | Fifth Semester | Sem/Yr | Grade |
|---|---|--------|-------|
| CHM 33300 (3) or BCHM 56100 or 30700 | Principles of Biochemistry (CHM 25600 or CHM 25700) | | |
| HSCI 34500 (3)** | Intro to OCCH & ENHS Science Fall only (MA 16020 & BIOL 20400) | | |
| OLS 25200 (3) or OLS 27400 (3) | Human Behavior in Organizations or Applied Leadership | | |
| IT 35100 (3) | Advanced Industrial Safety & Health Mgmt | | |
| STAT 30100 (3) (IL)* | Elem. Statistical Methods | | |
| Total Credits = 15 | | | |

| | Sixth Semester | Sem/Yr | Grade |
|---------------------------------|---|--------|-------|
| HSCI 34600 (4)** Spring only | IH Engineering Control (HSCI 34500 & PHYS 23400) PHYS 23400 may be taken concurrently. | | |
| HSCI 34800 (3)** Spring only | IH Instrumentation Techniques (HSCI 34500 & CHM 11600 & PHYS 23400) PHYS 23400 may be taken concurrently. | | |
| POL 22300 (3) (BSS)* | Intro to Environmental Policy | | |
| Humanities Sel. (3) (H)* | (Select from University list) | | |
| CE 35000 (3) | Environmental Engineering (CHM 11600 & PHYS 23300 & MA 16020) | | |
| Total Credits = 16 | | | |

| Senior Year | Seventh Semester | Sem/Yr | Grade |
|-------------------------------|--|--------|-------|
| HK 44500 (3) | Principles of Epidemiology Fall only (STAT 30100) | | |
| HSCI 44500 or Elective (2) | Industrial Hygiene Internship | | |
| HSCI 44600 (3)** | Applied Industrial Hygiene Fall only (HSCI 34600) | | |
| HSCI 56000 (3)** | Toxicology Fall only (CHM 33300 & BIOL 20400) | | |
| HSCI 58000 (3)** | Occupational Ergonomics Fall only (BIOL 20400 & PHYS 23400) | | |
| Total Credits = 14 | | | |

| | Eighth Semester | Sem/Yr | Grade |
|-------------------------|-----------------|--------|-------|
| English Selective (3) | | | |
| Elective (3) | | | |
| HSCI Hum. Sel. (3) | | | |
| Elective (3) | | | |
| Elective (1 - 2) | | | |
| Total Credits = 13 - 14 | | | |

University Foundations Learning Outcome List

<http://www.purdue.edu/provost/initiatives/curriculum/course.html>

- *(BSS) Behavioral/Social Science - 1 course
- *(H) Humanities - 1 course
- *(OC) Oral Communication - 1 course
- *(QR) Quantitative Reasoning - 1 course
- *(S) Science - 2 courses
- *(IL) Information Literacy - 1 course
- *(STS) Science, Technology, & Society) – 1 course
- *(WC) Written Communication - 1 course

****Must earn a grade of at least a C in HSCI 34500, 34600, 34800, 44600, and 58000.**

Purdue students must complete 32 credit hours of 30000 level or above courses for graduation with a Bachelor of Science degree.

Student is responsible for completing and fulfilling all graduation requirements.