

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 300 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)**120 credit hours required****Effective: Fall 2014 Beginners**

Freshman Year	First Semester	Sem/Yr	Grade
BIOL 11000 (4) (S)*	Fundamentals of Biology I		
CHM 11500 (4) (S)*	General Chemistry I (MA 154, 158, 159 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 154 or 158 = 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)		
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 (3)	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)**	IH Engineering Control Spring only (HSCI 34500 & PHYS 23400)		
HSCI 34800 (3)**	IH Instrumentation Techniques Spring only (HSCI 34500)		
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 (2) 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 580.**

Purdue students must complete 32 credit hours of 300 level or above courses for graduation with a Bachelor of Science degree.

Student is responsible for completing and fulfilling all graduation requirements.