



SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

INDIANA UNIVERSITY

Safety Science

B.S. in Applied Health Science degree (124 cr)
2.3 GPA required for admission; 2.0 GPA req. for graduation.
No Pass/Fail except for internship and free electives
Effective for students matriculating fall 2008
Department of Applied Health Science - HPER 116 - (812) 855-3627

Major (69 Credits)

Safety & Health Courses (51 credits, C- min req each course)

- 3 HPER-H 160 First Aid and Emergency Care
3 HPER-H 174 Prevention of Violence in American Society OR
HPER-S 255 Threats, Violence, and Workplace Safety
3 HPER-S 101 Introduction to Safety Science*
3 HPER-S 151 Legal Aspects of Safety**
3 HPER-S 201 Introduction to Industrial Hygiene*
3 HPER-S 202 Fundamentals of Fire Protection**
3 HPER-S 210 OSHA General Industry Standards **
3 HPER-S 214 OSHA Construction Standards *
3 HPER-S 251 Incident Investigation & Analysis **
3 HPER-S 332 Ergonomics **
3 HPER-S 345 Safety Program Management *
(P: 6 cr. of HPER-S courses or Instructor Approval)
3 HPER-S 410 Advanced Industrial Hygiene*
(P: HPER-S 201 or Instructor Approval)
3 HPER-S 411 Industrial Hygiene Sampling & Analysis**
(P: HPER-S 410 & CHEM-C102 or Instructor Approval)
3 HPER-S 415 Safety Education and Training *
(P: 6 cr. of HPER-S courses or Instructor Approval)
6 HPER-S 444 Field Exp in Occ Safety (P: junior/senior;
18 hours of HPER-S courses)
3 SPEA-H 316 Environmental Science and Health

Professional Electives (Choose 18 credits from courses listed on reverse side. 12 credits must be at the 300/400 level. A minimum C- grade required for each course.) (Through these credits you will be able to structure courses to have a minor in SPEA environmental management, business or psychology)

Horizontal lines for listing professional electives

General Education (55 Credits)

HUMANITIES (9 Credits)

- 3 CMCL-C 121 Public Speaking
3 ENG-W 131 Elementary Composition (C- min) OR
ENG-W 170 Projects in Reading and Writing (C- min)
3 ENG-W 231 Professional Writing Skills OR
BUS-X204 Business Communications

LIFE & PHYSICAL SCIENCES (22-24 Credits)

- 3 MATH-A 118/M 118 Finite Mathematics OR MATH-M119
Brief Survey of Calculus I OR MATH-D 116+D 117 Intro to
Finite Math I & II (4 cr.)
3 HPER-H 391 Health Statistics OR
PSY-K 300 Statistical Techniques
3-5 ANAT-A 215 Basic Human Anatomy OR
HPER-P 205 Structural Kinesiology
3 CHEM-C 101 Elementary Chemistry
2 CHEM-C 121 Elementary Chemistry Lab
3 CHEM-C 102 Elementary Chemistry II
2 CHEM-C 122 Elementary Chemistry II Lab
3 Computer Literacy (CSCI-A 110, BUS-K 201, HPER-P 200,
or HPER-R 237) Note: BUS-K 201 required for Bus. Minor.

SOCIAL & BEHAVIORAL SCIENCES (12 Credits)

- 3 PSY-P 101 Introduction to Psychology
3 PSY-P 102 Introduction to Psychology (P: PSY-P 101 or
PSY-P 151)
3 SOC-S 100 Introduction to Sociology OR
SOC-S 101 Social Problems and Policies OR
SOC-S 105 Current Social Controversies
3 ECON-E 201 Introduction to Microeconomics

FREE ELECTIVES (10-12 credits; P/F allowed)

Horizontal lines for listing free electives

* Fall only ** Spring only

Professional electives (OTHERS OK w/ ADVISOR APPROVAL)

Environmental Option including SPEA Environmental

Management Minor (15 credits required for this minor; in order to receive this minor students must choose SPEA-E 272, SPEA-E 311 plus two other courses in this category. SPEA-H 316 required course counts in minor)

- _____3 SPEA-E 272 Introduction to Environmental Sciences
- _____3 SPEA-E 311 Introduction to Risk Assessment and Risk Communication
- _____3 SPEA-E 400 Topics in Environmental Studies
- _____3 SPEA-E 410 Introduction to Environmental Toxicology
- _____3 SPEA-E 412 Risk communication
- _____3 SPEA-E 452 Solid and Hazardous Waste Mgt
- _____3 SPEA-E 475 Techniques of Environmental Science (P: SPEA-E 272 or SPEA-H 316)

HPER (See HPER Bulletin for course prerequisites) HPER-H 174 (if not taken as a requirement), HPER-H 180, HPER-H 311, HPER-H 318, HPER-H 494; HPER-S 217, HPER-S 255 (if not taken as a requirement), HPER-S 317, HPER-S 352, HPER-S 354, HPER-S 370, HPER-S 425, HPER-S 430, HPER-S 440, HPER-S 441; HPER-T 142, HPER-T 201, HPER-T 202, HPER-T 301, HPER-T 302, HPER-T 401

PSY PSY-P 323; PSY-P 303 (If both courses are taken, student qualifies for a psychology minor. PSY-P 101, PSY-P 102 and PSY-K 300 required courses count in this minor.)

Business Option Including Business Minor (21 credits required for this minor; in order to receive this minor, students must choose BUS-A 200 and BUS-L 201 plus four other courses in this category. BUS-K 201 required course counts in this minor.)

- _____3 BUS-A 200 Foundations of Accounting
- _____3 BUS-L 201 Legal Environ of Bus (P: Soph or honors freshman)
- _____3 BUS-F 300 Intro to Financial Mgmt (P: BUS-A 200 or BUS-A 100/ BUS-A 201-202)
- _____3 BUS-M 300 Intro to Marketing (P or C: BUS-A 200 or BUS-A 100/ BUS-A 201-202)
- _____3 BUS-P 300 Intro to Operations Mgt (P: BUS-K 201, BUS-A 200)
- _____3 BUS-Z 302 Managing and Behavior in Organizations OR J306 Strategic Management and Leadership

NOTE: Safety Science majors are encouraged to join the local chapter of the American Society of Safety Engineers. Dr. Kevin Slates (kslates@indiana.edu) is the faculty sponsor.

Safety Science majors are also encouraged to work toward becoming a Certified Safety Professional. For more information contact Cheryl Holmes (clholmes@indiana.edu)

Suggested Course Sequence for Safety Science

FRESHMAN YEAR

Fall Semester

- ENG-W 131 (3)
- HPER-S 101 (3)
- HPER-H 160 (3)
- PSY-P 101 (3)
- Free Elective (3)

Spring Semester

- CMCL-C 121 (3)
- HPER-S 151 (3)
- PSY-P 102 (3)
- MATH-M 118/M 119/D 116 (3)
- Computer Literacy (3)
- Free Elective (1)

SOPHOMORE YEAR

Fall Semester

- HPER-S 201 (3)
- HPER-S 214 (3)
- ENG-W 231 (3)
- CHEM-C 101 (3)
- CHEM-C 121 (2)

Spring Semester

- HPER-S 202 (3)
- HPER-S 210 (3)
- HPER-S 251 (3)
- CHEM-C 102 (3)
- CHEM-C 122 (2)
- Free Elective (2)

JUNIOR YEAR

Fall Semester

- HPER-S 401 (3)
- HPER-S 345 (3)
- HPER-H 174 or HPER-S 255 (3)
- SOC-S 100/S 101 (3)
- ANAT-A 215 (5) OR HPER-P 205 (3)
- HPER-S 410 (3)

Spring Semester

- HPER-S 411 (3)
- HPER-S 332 (3)
- PSY-K 300 (3)
- Professional Elective (3)
- SPEA-H 316 (3)

Summer

- HPER-S 444 (6)

SENIOR YEAR

Fall Semester

- HPER-S 415 (3)
- Professional Elective (3)
- Professional Elective (3)
- ECON-E 201 (3)
- Free Elective (3)

Spring Semester

- Professional Elective (3)
- Professional Elective (3)
- Professional Elective (3)
- Free elective (2-4)

Fall Safety Courses: S101, S201, S214, S255, S345, S410, S415

Spring Safety Courses: S151, S202, S210, S251, S332, S411