Other (Non BSPH) Undergraduate Required and Elective Coursework
Bachelor of Science in Applied Health Science
**INDIANA UNIVERSITY**

**SCHOOL OF PUBLIC HEALTH**

**Bloomington**

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

### General Education (20 – 39 credits)

*(General Education Bulletin at: www.indiana.edu/~bulletin/iub)*

**English Composition (0 to 3 credits, C- minimum required)**
Complete one of the following options:
- **3 CMLT-C 110 Writing the World**
- **3 ENG-W 131 Elementary Composition**
- **3 ENG-W 170 Projects in Reading and Writing**
- **0 ENG-W 131 EX Elementary Composition Exemption**

**Mathematical Modeling (3 to 4 credits)**
Complete one of the following options:
- **4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II**
- **3 MATH-J 113 Introduction to Calculus with Applications**
- **3 MATH-M 118 Finite Mathematics**
- **3 MATH-M 119 Brief Survey of Calculus I**
- **4 MATH-M 211 Calculus I**
- **4 MATH-M 213 Accelerated Calculus**
- **3 MATH-S 118 Honors Finite Mathematics**
- **3 MATH-V 118 Finite and Consumer Mathematics:**
- **3 MATH-V 118 Finite Math for Social and Biological Sciences**

**Natural and Mathematical Sciences (5 credits)**
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

**Arts and Humanities (6 credits)**
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

**Social and Historical Studies (6 credits)**
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

**World Languages and Cultures (0 to 14 credits)**
*Choose one of the following three options:*
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

**OR**
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

**OR**
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

### Major (91 credits)

**Dietetics Core (47 credits, C- min req each course)**
*(Note: All SPH courses were formerly HPER courses.)*

- **3 SPH-N 120 Introduction to Foods**
- **3 SPH-N 231 Human Nutrition (P: CHEM-C 101 or equiv & bio) N&M**
- **3 SPH-N 320 Food Chemistry (P:SPH-N 120;CHEM-C 117 R: R 340/C 341)**
- **4 SPH-N 321 Qty Food Purch & Prod (P: SPH-N 120, Diet Sr) S**
- **3 SPH-N 322 Mgmt Systems in Dietetics (P: N 321, Diet major) N&M**
- **3 SPH-N 325 Food Chem Lab (R: Concur w/ SPH-N 320)**
- **3 SPH-N 331 Life Cycle Nutrition (R: SPH-N 220 or N 231)**
- **3 SPH-N 336 Community Nutrition (P: SPH-N 231)**
- **1 SPH-N 401 Issues in Dietetics**
- **3 SPH-N 416 Nutrition Counseling & Edu (P: SPH-N 431)**
- **3 SPH-N 430 Adv Hum Nutr I (P:N 231;CHEM-C 341/R 340)**
- **3 SPH-N 431 Med Nutr Ther (P: N 231;ANAT-A215;PHSL-P215)**
- **3 SPH-N 432 Advanced Nutrition II (P: SPH-N 430)**
- **3 SPH-N 433 Medical Nutrition Therapy Application (P: co-requisite SPH-N 431)**
- **3 SPH-H 494 Research & Eval Methods in Health & Safety (Jr/Sr)**

**Additional Required Courses (44 credits, C- min req each course except CHEM C117 and C127 which requires a C min)**

- **5 ANAT-A 215 Basic Human Anatomy**
- **3 BIOL-L 330 Biol of the Cell (P: college bio; R: college chem)**
  - **OR** SPH-N 480 OR BIOL-L 312
- **3 BIOL-M 200 Microorg in Nature & Disease (R: HS chem & bio)**
- **3 CHEM-C 117 Prin of Chem & Biochem I (C103 may be needed) (A minimum full grade of C is required in CHEM-C 117)**
- **2 CHEM-C 127 Chem & Biochem Laboratory I N&M (C103 may be needed) (A minimum full grade of C is required in CHEM-C 127)**
- **3 CHEM-R 340 Survey of Organic Chemistry**
  - **OR** CHEM-C 341 Organic Chemistry Lectures I
- **2 CLAS-C 209 Medical Terms from Greek & Latin**
- **3 CMCL-C 121 Public Speaking A&H (C 122 may not sub)**
  - **OR** 3 ENG-W 231 Professional Writing Skills
- **3 MATH/PSY-K 300 Statistical Techniques**
- **5 PHSL-P 215 Basic Human Physiology**
- **3 PSY-P 101 Introductory Psychology**
- **3 PSY-P 325 Psych of Learning or P335 Cognitive Psych (both have P: PSY-P 102 S&H) or EDUC-P 254 Educ Psych**
- **3 SPEA-V 373 Personnel Management (or SPEA-V 366)**
- **3 SPH-B 150 Introduction to Public Health (Formerly: HPER-T 150)**

* = Fall only  ** = Spring only

<table>
<thead>
<tr>
<th>GENERAL EDUCATION</th>
<th>20-38</th>
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<tbody>
<tr>
<td>MAJOR</td>
<td>91</td>
</tr>
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**COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.**
### Suggested Electives

- 3 CMCL-C 121 Public Speaking **A&H**
  - OR 3 ENG-W 231 Professional Writing Skills
    - whichever course is not included above
- 3 BIOL-L 112 Biological Mechanisms **N&M** (May not sub L100, L104, E112, Q201)
- 3 BIOL-L 211 Molecular Biology (P: BIOL-L 112)
- 3 BIOL-L 311 Genetics (P: BIOL-L 211)
- 3 BIOL-L 331 Introduction to Human Genetics*
- 3 CHEM-C 342 Organic Chemistry II Lectures (P: C 341)
- 3 CHEM-C 483 Biological Chem (P: 18 hrs. chem, incl. C 342)
- 3 PHSL-P 421 Principles of Human Physiology *
- 3 SPEA-E 272 Introduction to Environmental Sciences **N&M**
- 3 SPEA-H 316 Environmental Health
- 3 SPH-K 409 Basic Physiology of Exercise (P: PHSL-P 215)
- 3 SPH-N 480 Mechanisms of Nutrient Action in the Body *

### Suggested Course Sequence for Dietetics

**Note: N & M courses covered by course requirements**

<table>
<thead>
<tr>
<th>Freshman Year - Fall Semester</th>
<th>Freshman Year - Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>ENG-W 131 “Elementary Composition” (3)</td>
<td>CHEM-C117/127 or CHEM-C103 (5)</td>
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<tr>
<td>PSY-P 101 “Intro to Psychology 1” (3)</td>
<td>CLAS-C209 “Medical Terms from Greek and Latin” (2)</td>
</tr>
<tr>
<td>Arts and Humanities or WLC elective (3)</td>
<td>PSY-P102 “Intro to Psychology 2” (S&amp;H) (3)</td>
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<tr>
<td>Math Modeling or CHEM-C103 or CHEM-C117/127 (3-5)</td>
<td>SPH-B150 “Intro to Public Health” (3)</td>
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<tr>
<td>Elective or SPH-N120 “Introduction to Foods” (1-3)</td>
<td>Arts and Humanities or WLC elective (3)</td>
</tr>
<tr>
<td><strong>Total Credits:</strong> 13-15</td>
<td><strong>Total Credits:</strong> 16</td>
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</tbody>
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<thead>
<tr>
<th>Sophomore Year - Fall Semester</th>
<th>Sophomore Year - Spring Semester</th>
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<tbody>
<tr>
<td>CMCL-C 121 “Public Speaking”(A&amp;H) or ENG-W231 “Professional Writing” (3)</td>
<td>PSY-P325/PSY-P335 “Psy. of Learning”/”Cognitive Psy.” (3)</td>
</tr>
<tr>
<td>SPH-N120 “Introduction to Foods” or Elective (3)</td>
<td>SPH-N 331 “Life Cycle Nutrition” (3)</td>
</tr>
<tr>
<td>SPH-N231 “Human Nutrition” (3)</td>
<td>Arts and Humanities or WLC elective (3)</td>
</tr>
<tr>
<td>Social and Historical elective (3)</td>
<td>Elective (1-3)</td>
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<tr>
<td><strong>Total Credits:</strong> 15</td>
<td><strong>Total Credits:</strong> 15-17</td>
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<thead>
<tr>
<th>Junior Year - Fall Semester</th>
<th>Junior Year - Spring Semester</th>
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<tbody>
<tr>
<td>PHSL-P 215 “Human Physiology” (5)</td>
<td>BIOL-M 200 “Microorganisms in Nature and Disease” (3)</td>
</tr>
<tr>
<td>SPH-H 351 “Complementary/Alt. Approaches to Health” (3)</td>
<td>SPH-N 320 “Food Chemistry” (3)</td>
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<tr>
<td>SPH-N 336 “Community Nutrition” (3)</td>
<td>SPH-N 325 “Food Chemistry Lab” (3)</td>
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<tr>
<td>Elective (1-3)</td>
<td>SPH-N 431 “Medical Nutrition Therapy” (3)</td>
</tr>
<tr>
<td><strong>Total Credits:</strong> 14</td>
<td>SPH-N 433 “Medical Nutrition Therapy Application” (3)</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td>15</td>
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</table>

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<thead>
<tr>
<th>Senior Year - Fall Semester</th>
<th>Senior Year - Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>PSY-K 300/MATH-K310 “Statistical Techniques”</td>
<td>BIOL-L 330 “Biology of the Cell” (3)</td>
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<tr>
<td>OR SPH-H381 “Health Information Statistics” (3)</td>
<td>SPH-H 494 “Research and Eval. Methods in Hlth and Safety” (3)</td>
</tr>
<tr>
<td>SPEA-V373/SPEA-V366 “Human Resource Management” (3)</td>
<td>SPH-N 322 “Management Systems in Dietetics” (3)</td>
</tr>
<tr>
<td>SPH-N 321 “Qty. Food Purch. and Production” (4)</td>
<td>SPH-N 416 “Intro to Nutritional Counseling and Education” (3)</td>
</tr>
<tr>
<td>SPH-N 401 “Issues in Dietetics” (1)</td>
<td>SPH-N 432 “Advanced Nutrition II” (3)</td>
</tr>
<tr>
<td>SPH-N 430 “Advanced Nutrition I” (3)</td>
<td><strong>Total Credits:</strong> 15</td>
</tr>
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</table>
Dietetics

About the Major: A Vital Growing Profession

Dietetics is about the science and art of applying the principles of nutrition and food preparation to health. Dietitians work in medical and food service settings with

- infants and young children
- school aged children
- athletes
- adults
- senior citizens

Job growth is expected to increase in the next decade because of an increased emphasis on disease prevention and healthy lifestyles.

Opportunities in the Program

Dietetics majors can minor in psychology or fitness. They can join our run IU Student Academy of Nutrition and Dietetics https://myinvolvement.indiana.edu/sissastd-prd/p/organization.do?methodToCall=orgSelect&org_id=533&cid=IUBLA, which features numerous volunteering opportunities. The Dietetics program has a nutrition lab and a foods lab. Classroom activities include community projects, planning and preparing a special event meal for students in the halls of residence, designing a research project, and learning in-depth about special issues in nutrition.

What You Can Do

Dietitians promote healthy eating habits so that people can prevent or treat illnesses. IU dietetics graduates go on to complete a supervised practice experience (internship) and are then eligible to take a national exam to become a Registered Dietitian (RD). RDs are the recognized nutrition health care professionals. They

- counsel patients
- do research and develop food products
- oversee large-scale meal planning and preparation
- work in nutrition communication or marketing
- develop nutrition programs

Where You Can Go

RDs work in

- clinical settings such as hospitals
- extended care facilities
- government agencies
- private practice
- corporate wellness programs
- food service operations

What You Will Earn

In 2010, the median salary for a Registered Dietitian was $53,250. Clinical dietitians start at about $35k-$45k and food service dietitians start at about $42k-$50k.

Human Development and Family Studies
B.S. in Applied Health Science degree (120 minimum credit hours)  AHHDBS
2.5 GPA req. for admission. No Pass/Fail except free electives
Effective for students matriculating summer 2013
Department of Applied Health Science – PH 116 – (812) 855-3627

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

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World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.
OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.
OR
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (90 credits)

Core Courses (51 credits, C- min in each course)
   ___ 3 SPH-B 150 Intro to Public Health
   ___ 3 SPH-F 150 Intro to Life-Span Human Development S&H
   ___ 3 SPH-F 255 Human Sexuality S&H
   ___ 3 SPH-F 258 Marriage & Family Interaction S&H
   ___ 3 SPH-F 345 Parent-Child Relations*
   ___ 3 SPH-F 346 Human Dev I - Conception > Early Childhood
      (P:SPH-F 150 & F 258 or equiv)
   ___ 3 SPH-F 347 Human Dev II - Mid Childhood > Adolescence
      (P:SPH-F 150 & F 258 or equiv)
   ___ 3 SPH-F 348 Human Dev III - Early, Mid, and Late Adulthood
      (P:SPH-F 150 & F 258 or equiv)
   ___ 3 SPH-F417 African American and Latino Families**
      (P: SPH-F 150 & F 258 or equivalent)
   ___ 3 SPH-F 430 Professional Preparation in HDFS
      (P: HDFS major; Jr/Sr, P/C:18 cr. of SPH-F courses)
   ___ 3 SPH-F 453 Family Life Educ * (P:SPH-F 150 & F 258 or equiv)
   ___ 3 SPH-F 458 Family Law and Policy **
   ___ 3 SPH-F 341 Effects of Divorce on Children**
      OR SPH-F 457 Stress and Resilience in the Family
      (P:SPH-F 150 & F 258 or equiv; Sr standing)
      OR SPH-F 460 Grief in a Family Context*
      (P: SPH-F 150, SPH-F 258 or equivalents)
   ___ 6 SPH-F 497 Internship in HDFS (graded S/F) +
      (P:SPH-F 430; 2.5 GPA, Jr/Sr; at least one from SPH-F 346,
      F 347, F 348 appropriate to agency; consent of instructor)
   ___ 3 SPH-H 494 Rsrh&EvntnMhds - Hlth&Sfty(P:Jr/Srstdng)
   ___ 3 SPH-N 220 Nutrition for Health
      OR SPH-N 231 Human Nutr (P: college chem. & bio) N&M
      OR SPH-N 331 Life Cycle Nutrition**
* fall only   ** spring only

Additional Required Courses (27 credits, C- min in each course)
   ___ 3 BUS-F 260 Personal Finance
   ___ 3 CMCL-C 122 Interpersonal Communication S&H
   ___ 3 Computer Lit (BUS-K201, CSCI-A110 N&M, SPH-K200, R212)
   ___ 3 MATH/PSY-K 300 Stats OR SPH-H 381 Health Info & Stats
   ___ 3 PSY-P 101 Introductory Psychology I (OR P155) N&M
   ___ 3 PSY-P 102 Introductory Psychology II S&H
   ___ 3 PSY-P 324 Abnormal Psychology
   ___ 3 SOC-S 100 Introduction to Sociology (or SOC-S 101) S&H
   ___ 3 SOC-S 316 Sociology of the Family

Professional Electives (12 credits, C- min in each course)
Complete 12 credits from courses listed on reverse side. 9 of the 12 credits must be at the 300/400 level.

_________________________________________________________

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There is an application process for the internship (F 442) which must be completed six (6) weeks prior to the semester in which the credit is to be earned. Check with the internship coordinator for information packet.

GENERAL EDUCATION 20-39
MAJOR 90
COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.

* fall only ** spring only

Professional electives (OTHERS OK w/ ADVISOR APPROVAL)

**AAAD** A210 S&H, A425
**AMST** A202 A&H
**EDUC** E330, E335, K205, P465
**HIST** H231 S&H
**NURS** Any course
**PSY** P303, P304, P319, P323, P325, P326, P327, P329, P335, P425

Professional electives (cont.)

**SPHS** S433
**SWK** S100 S&H, S141, S221 S&H, S300, S332, S352

PRE-HEALTHCARE PROFESSION STUDENTS: PLEASE SEE ADVISOR FOR COURSE SUBSTITUTIONS IN PROFESSIONAL ELECTIVES
# Suggested Course Sequence for Human Development and Family Studies

*(Note: N&M and S&H courses can be covered by course requirements)*

## Freshman Year - Fall Semester
- **PSY-P101** “Intro to Psychology 1” (3)
- **SPH-F150** “Intro to Life-Span Human Devpmnt.” (3)
- Arts and Humanities or WLC elective (3)
- Elementary Composition or Math Modeling (3)
- Elective (1-3)

**Total Credits:** 13-15

## Freshman Year - Spring Semester
- **PSY-P102** “Intro to Psychology 2” (3)
- **SPH-B150** “Intro to Public Health” (3)
- **SPH-F258** “Marriage and Family Interaction” (3)
- Arts and Humanities or WLC elective (3)
- Elementary Composition or Math Modeling (3)

**Total Credits:** 15

## Sophomore Year - Fall Semester
- **CMCL-C122** “Interpersonal Communication” (3)
- **SOC-S100** “Intro to Sociology” (3)
- **SPH-F255** “Human Sexuality” (3)
- **SPH-F345** “Parent-Child Relations” (3)
- Arts and Humanities or WLC elective (3)

**Total Credits:** 15

## Sophomore Year - Spring Semester
- **CSCI-A110/SPH-K200** “Computer Literacy” (3)
- **SPH-F346** “Human Dev. I-Conception through Early Childhood” (3)
- **SPH-N220** “Nutrition for Health” (3)
- Arts and Humanities or WLC elective (3)
- Elective (3)

**Total Credits:** 15

## Junior Year - Fall Semester
- **BUS-F260** “Personal Finance” (3)
- **PSY-P324** “Abnormal Psychology” (3)
- **SPH-F347** “Human Dev. II-Mid. Childhood-Adolescence” (3)
- **SPH-F430** “Professional Preparation in HDFS” (3)
- Elective (3)

**Total Credits:** 15

## Junior Year - Spring Semester
- **PSY-K300/SPH-H381** “Statistical Techniques” (3)
- **SPH-F348** “Human Dev. III-Early, Mid, and Late Adulthood” (3)
- **SPH-F341** “Effects of Divorce on Children” (3)
- Professional Elective (3)
- Elective (3)

**Total Credits:** 15

## Summer After Junior Year
- **SPH-F497** “HDFS Internship” (6 credits)

*The HDFS internship can also be completed the summer after senior year*

## Senior Year - Fall Semester
- **SOC-S316** “Sociology of the Family” (3)
- **SPH-F453** “Family Life Education” (3)
- **SPH-H494** “Research and Evaluation Methods” (3)
- Professional Elective (3)
- Elective (1-3)

**Total Credits:** 13-15

## Senior Year - Spring Semester
- **SPH-F458** “Family Law and Policy” (3)
- **SPH-F417** “African American and Latino Families” (3)
- Professional Elective (3)
- Professional Elective (3)
- Elective (1-3)

**Total Credits:** 13-15
Human Development and Family Studies

The human development and family studies program focuses on the development of individuals over the life span from conception through aging, and the dynamic relationships within the family as well as interactions and relationships in the broader social environment.

Opportunities in the Program

Students have the opportunity to direct their area of study interest by selecting elective courses from psychology, sociology, social work, criminal justice and even the biological sciences to earn a minor or two in these selected fields. Some selected minors include:

- Counseling
- Gender studies
- Gerontology
- Human sexuality
- Nutrition
- Psychology
- Public Health
- Sociology
- Occupational or Physical Therapy preparation
- Pre-med and pre-law preparation

What you can do

With a Bachelor of Science degree in this major program, graduates will be able to work in:

- Community services for: families, youth, children, maternal and paternal needs, senior citizens, populations with special needs
- Governmental, mental health, and foster care agencies
- Hospitals, schools, group homes, nonprofit organizations, human resources, customer service, and consumer relations for businesses.
- Graduate school: Graduates will have an excellent foundation for graduate and professional school where they can prepare to become social workers, counselors, public health professionals, occupational or physical therapists, nurses, and doctors.

Career opportunities

Activities Specialist ∙ Camp Counselor ∙ Camp Director ∙ Case Manager ∙ Child court advocate ∙ Community Living Program
Staff ∙ Community Facilitator ∙ Correctional Treatment Specialist ∙ Customer Service Agent ∙ Developmental Specialist ∙ Family
Development Specialist ∙ Family Home Supervision ∙ Homeless Shelter Supervisor ∙ Hospice Counselor ∙ Intake Interviewer ∙
Outreach Program Coordinator ∙ Parent Liaison ∙ Probation Officer ∙ Program Monitor ∙ Psychiatric Aide ∙ Research Assistant ∙
Residential Director ∙ Residential Youth Counselor ∙ Teacher’s Assistant ∙ Teen Parent Educator ∙ Youth Services Coordinator ∙
YMCA Program Coordinator

Careers after completing a graduate or advanced graduate degree:

Social Worker ∙ Clinical Psychologist ∙ Marriage and Family Therapist ∙ Sex Therapist ∙ Special Needs Counselor/Therapist ∙
Special Education Teacher ∙ Secondary Education Teacher ∙ Speech/Language Pathologist ∙ Occupational Therapist ∙ Physical
Therapist ∙ School Guidance Counselor ∙ School Psychologist ∙ University professor …

What You Will Earn

Here are a few salary scales for select jobs:
Case managers in Social Services, Youth Services, Community Mental Health Services, Health Insurance, Human Resources, can earn $28K - $40K; Camp Director $30K - $45K; Teacher’s Assistant – depending on years of services and experience
$18K-$28K; Child Care Specialist $39K - $44K; Group Home Supervisor $29K - $42K.

Health Education – Secondary Teacher Preparation (AHHEBS)  
B.S. in Applied Health Science degree (120 cr.)  
2.5 GPA req. for admission & graduation. No Pass/Fail except free electives  
Licensure requires a 2.5 GPA in the major, prof. education, and overall.  
Effective for students matriculating summer 2013 Dept. of AHS – PH 116 – (812) 855-3627

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

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Complete one of the following options:
  ___ 4  MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
  ___ 3  MATH-J 113 Introduction to Calculus with Applications
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World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
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OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.
OR
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (90 credits)

Professional Health Core (31 credits required)
(2.5 GPA req. for teaching License, C- minimum in each course)

Complete each of the following courses:
  ___ 3  SPH-B 150 Introduction to Public Health
  ___ 3  SPH-F 255 Human Sexuality S&H
  ___ 3  SPH-H 160 First Aid and Emergency Care
  ___ 3  SPH-H 174 Prevention of Violence in American Society S&H
  ___ 3  SPH-H 180 Stress Prevention and Management
  ___ 1  SPH-H 205 Introduction to Health Education (S/F)
  ___ 3  SPH-H 311 Human Disease & Epidemiology
  ___ 3  SPH-H 315 Consumer Health
  ___ 3  SPH-H 318 Drug Use in American Society
  ___ 3  SPH-H 464 Coordinated School Health Programs  
(P: H 263, H352 or consent of instructor)
  ___ 3  SPH-N 220 Nutrition for Hlth or SPH N231 Human Nutrition  
(P:CHEM-C 101; BIO- L 100 or equiv)

Professional Education Courses (40 credits)
(2.5 GPA req. for teaching license, C minimum in each course)

  ___ 3  EDUC-W 200 Using Computers in Education
  ___ 3  EDUC-P 312 Learning Theory into Practice
  ___ 3  EDUC-P 313 Persp on Adolescents in Learning Communities
  ___ 3  EDUC-M 300 Teaching in a Pluralistic Society

NOTE: Students must have taken or be enrolled in the above courses in order to apply for the Teacher Education Program.

  ___ 3  EDUC-G 203 Communication in the Classroom S&H
  ___ 3  EDUC-K 306 Tchng Stdnts w/ Special Needs in Scndry Clsrooms  
(P: Entrance to Teacher Educ. Prog)
  ___ 3  EDUC-H 340 Education & American Culture
  ___ 3  SPH-H 352 Sec. Sch. Health Curriculum & Strategies **  
(P: Entrance to Teacher Educ. Prog.;C: H353)
  ___ 1  SPH-H 353 Field Observation **(C: H352/grade S/F)
  ___ 3  SPH-H 452 Secondary Sch. Health Instruct and Assessment *  
(P: H352/353 and entrance to Teacher Educ. Prog; C: H453)
  ___ 1  SPH-H 453 Microteach. Lab for Hlth Educ. *(C:H452/grade S/F)
  ___ 1  EDUC-M 420 Student Teaching Seminar (taken w/ M 480; S/F gr)
  ___ 10-12 EDUC-M480 Student Teaching (Students may earn up to 16 credits for student teaching with School of Education approval.)

Additional Required Courses (19 credits)

  ___ 3  CMCL-C 121 Public Speaking A&H
  ___ 3  ENG-W 231 Professional Writing Skills
  ___ 5  PHSL-P 215 Basic Human Physiology N&M
  ___ 3  SPH-H 263 Personal Health S&H
  ___ 3  SPH-K 205 Structural Kines
  ___ 2 Electives from SPH-I courses or SPH-W courses
GENERAL EDUCATION 20-39
MAJOR 90
COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.

* fall only  ** spring only

Optional Cognate in Physical Education (31 credits.)
(C minimum in each course, no Pass/Fail)

Completion of the following courses will prepare students to take the physical education PRAXIS exam and develop competencies required for middle and high school physical education teacher certification. This cognate, when added to a teaching degree in another field, extends the time required for degree completion. A normal four-year bachelor's degree becomes a four and a half to five-year degree when this cognate is added.

Complete each of the following courses:

- 3 SPH-K 140 Foundations and Principles of Physical Education
- 2 SPH-K 141 Fundamentals of Human Movement
- 1 SPH-K 203 Teaching Practicum in Physical Education *
- 3 SPH-K 214 Basic Methods of Teaching Physical Education *
- 3 SPH-K 216 Current Concepts & Applications in Physical Fitness
- 2 SPH-K 224 Teaching of Dance Activities
- 1 SPH-K 303 Physical Education Laboratory/Field Experience **
- 1 SPH-K 313 Tools of Learning
- 3 SPH-K 314 Intermediate Methods in Teaching Physical Educ **
- 2 SPH-K 316 Theories of Advanced Conditioning (P 217 or P 218)
- 2 SPH-K 323 Teaching Individual and Dual Activities
- 2 SPH-K 325 Teaching of Team Sports
- 3 SPH-K 398 Adapted Physical Education
- 0 SPH/EDUC-M 403 Laboratory/Field Experience **
- 3 SPH/EDUC-M 456 Methods of Teaching Physical Education **

Students must also complete:

- First Aid/CPR certification earned in SPH-H 160 First Aid and Emergency Care, or via community resources. Certification in CPR is only acceptable from the American Red Cross, the American Heart Association, or the National Safety Council.
- PRAXIS Physical Education exam with a passing grade
- Physical Education student teaching experience along with health student teaching
### Suggested Course Sequence for Health Education-Secondary Teacher Preparation

(WITHOUT FULL PE COGNATE)

**NOTE:** S&H, N&M and 1 A&H course(s) covered by course requirements

<table>
<thead>
<tr>
<th>FRESHMAN YEAR-Fall Semester</th>
<th>FRESHMAN YEAR-Spring Semester</th>
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<tr>
<td>EDUC-W 200 “Using Computers in Education” (3)</td>
<td>CMCL-C121 “Public Speaking” (3)</td>
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<tr>
<td>SPH-F 255 “Human Sexuality” (3)</td>
<td>SPH-H160 “First Aid and Emergency Care” (3)</td>
</tr>
<tr>
<td>SPH-H 263 “Personal Health” (3)</td>
<td>SPH-H174 “Prevention of Violence in American Society” (3)</td>
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<tr>
<td>Arts and Humanities or WLC elective (3)</td>
<td>SPH-H205 “Introduction to Health Education” (1)</td>
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<tr>
<td>Elementary Composition or Math Modeling (3)</td>
<td>Elementary Composition or Math Modeling (3)</td>
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<tbody>
<tr>
<td>EDUC-P 312 “Learning Theory into Practice” (3)</td>
<td>EDUC-G203 “Communication in the Classroom” (3)</td>
</tr>
<tr>
<td>EDUC-P313 “Persp. on Adolescents in Learning Communities” (3)</td>
<td>EDUC-M300 “Teaching in a Pluralistic Society” (3)</td>
</tr>
<tr>
<td>SPH-B 150 “Intro to Public Health” (3)</td>
<td>PHSL-P215 “Human Physiology” (5)</td>
</tr>
<tr>
<td>SPH-H180 “Stress Prevention and Management” (3)</td>
<td>Arts and Humanities or WLC elective (3)</td>
</tr>
<tr>
<td>SPH-K 205 “Structural Kinesiology” (3)</td>
<td>Total Credits: 14</td>
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<td>Total Credits: 15</td>
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<tr>
<td>EDUC-H340 “Education &amp; American Culture” (3)</td>
<td>SPH-H 311 “Human Diseases and Epidemiology” (3)</td>
</tr>
<tr>
<td>EDUC-K306 “Tchng Stdnts w/Special Needs in Scndry Clsrooms” (3)</td>
<td>SPH-H 318 “Drug Use in American Society” (3)</td>
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<tr>
<td>SPH-H315 “Consumer Health” (3)</td>
<td>SPH-H 352 “Sec. Sch. Health Curriculum &amp; Strategies” (3)</td>
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<tr>
<td>SPH-N220 “Nutrition for Health” (3)</td>
<td>SPH-H 353 “Field Observation” (1)</td>
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<tr>
<td>SPH-I or W elective (2)</td>
<td>Arts and Humanities or WLC elective (3)</td>
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<tr>
<td>Total Credits: 14</td>
<td>Elective (1-3)</td>
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<tr>
<th>SENIOR YEAR-Fall Semester</th>
<th>SENIOR YEAR-Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-W231 “Professional Writing” (3)</td>
<td>EDUC-M420 “Student Teaching Seminar” (1)</td>
</tr>
<tr>
<td>SPH-H452 “Secondary Sch. Health Instruct and Assess.” (3)</td>
<td>EDUC-M480 “Student Teaching” (10-16)</td>
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<tr>
<td>SPH-H453 “Microteach. Lab for Hlth Educ.” (1)</td>
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<td>SPH-H464 “Coordinated School Health Programs” (3)</td>
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<td>Elective (3)</td>
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<tr>
<td>Elective (1-3)</td>
<td>Total Credits: 11-17</td>
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<tr>
<td>Total Credits: 14-16</td>
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</tbody>
</table>

**NOTE:** Students must be admitted to the Teacher Education Program in order to sign up HPER-H 352/353 and HPER-H 452/453. Students must be admitted to the PETE program to do the PE cognate.

**NOTE:** Students must have valid CPR Certification (i.e. within the last year) in order to apply for teacher certification in Indiana.
Health Education-Secondary Teacher Preparation

About the Major: Promoting Health for Adolescents

Health teachers help middle and high school students develop skills for making and sustaining healthy decisions related to
- personal growth
- mental health
- injury prevention
- human sexuality
- consumer health
- disease prevention
- nutrition
- physical activity
- substance use

Health secondary majors are prepared for teaching careers in middle and high schools. Since many school districts hire health teachers who also teach physical education, students in this major often complete the optional Cognate in Physical Education (requires an extra semester or year).

Opportunities in the Program

Students have many opportunities to become involved in schools via required field observations, student teaching and a variety of volunteer activities in local public schools and youth-serving agencies. Students who wish can take advantage of the Semester Abroad Program to complete student teaching in a different country. Eta Sigma Gamma, a student-run health honorary, is also available.

What You Can Do

School health teachers
- teach health to students in 5th-12th grade in public and private schools
- work with parents and teachers to make the whole school healthy
- develop curriculum and programs for youth to keep them active and safe
- advise community groups and act as spokespersons for young people
- work in public health positions in the community

Where You Can Go

Students in this major are certified to teach health in secondary schools in Indiana and most other states (those with reciprocal agreements with Indiana). Getting a Cognate in Physical Education assures students that they will have PE certification and thus qualify for the largest number of job openings.

What You Will Earn

Beginning secondary teachers earn about $32k-$40k depending upon location.

Nutrition Science (AHNSBS)
B.S. in Applied Health Science degree (120 minimum credits)
2.5 GPA req. for admission, 2.0 GPA req. for graduation
No Pass/Fail except for free electives
Effective for students matriculating summer 2013
Department of Applied Health Science – PH 116 – (812) 855-3627

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Math I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:

- Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

- Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

- Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (91 credits)

Nutrition Core: (53 cr., C- min req each course)
Complete each of the following courses:

- 3 SPH-B 150 Introduction to Public Health or equivalent
- 3 SPH-N 120 Introduction to Foods *
- 3 SPH-N 231 Human Nutrition (P: CHEM C101 & biol) N&M
- 3 SPH-N 320 Food Chem **(P: SPH-N 120, CHEM-C 117/127 or equivalent)
- 3 SPH-N 350 Topics: Toxicology and Nutrition
- 3 SPH-N 430 Adv Nutrition I **(P: SPH-N 231; CHEM-C 341 or R340)
- 3 SPH-N 431 Med Nutr Therap ** (P: N 231, ANAT-A 215, PHSL-P 215)
- 3 SPH-N 432 Adv Nutrition II ** (P: SPH-N 430)
- 3 SPH-N 492 Research in Nutrition/Diabetes
  or SPH-H 494 Research and Eval. Methods in Hlth & Safety
- 3 CHEM-C 117 Prin of Chem & Biochem I (P: maybe C 103) N&M
- 2 CHEM-C 127 Chem & Biochem Lab I (P: maybe C 103) N&M
- 3 CHEM-C 341 Organic Chemistry Lectures 1 (P:CHEM-C 117)
- 3 CHEM-C 342 Organic Chemistry Lectures 2 (P:CHEM-C 341)
- 2 CHEM-C 343 Org Chem Lab 1 (P:CHEM-C 341; concurrent w/C 342)
- 5 CHEM-N 330 Intermediate Inorganic Chem (P: C 341)  
  or CHEM-C 118 Prin of Chem and Biochem II (P:CHEM-C 117)
- 2 CLAS-C 209 Medical Terms from Greek and Latin
- 3 MATH-M 119 Brief Survey of Calculus I N&M OR  
  MATH-M 211 Calculus I (4cr.) N&M
- 3 MATH/PSY/SPEA-K 300, K 310 Statistical Techniques OR STAT-S300 Intro to Applied Statistical Methods

Specialization Courses (19 cr., C- min req each course)
Complete 19 credits from the following courses:

- 3 BIOL-L 111 Intro to Biology: Evolution & Diversity # N&M
- 3 BIOL-L 112 Intro to Biol: Biol Mchnsms # (P: hgh schl or coll chem) N&M
- 3 BIOL-L 113 Biology Lab #P: or C: BIOL-L 112 R: BIOL-L 111)
- 3 BIOL-M 250 Microbiology * (P: 2 sem of colig chem R: BIOL-L 211)  
  or BIOL-M 200 Microorg in Nature & Disease **
- 2 BIOL-M 255 Microbiology Laboratory (P: corequisite BIOL-M 250)  
  or BIOL-M 215 Microorg Lab * (R:HS chem & bio; C:BIOL-M 200)
- 3 MSCI-M 216 Medical Science of Psychoactive Drugs
- 3 MSCI-M 470 Mech of Human Disease (P: BIOL-L 211)
- 3 MSCI-M 485 Phscl of Human Disease (P:PHSL-P 215)
- 5 PHY-S 201 Gen Physcis I #P:Collg algb & trig or HS eq)N&M  
  or PHY-S 221 Physics I (P or C: MATH-M 211)
- 5 PHY-S 202 Gen Physcis II #P:PHYS-P 201) N&M 
  or PHY-S 222 Physics II (P:PHYS-P 221; C: MATH-M 212)
- 3 SPH-N 325 Food Chemistry Lab ** (concurrent w/ N 320)
- 3 SPH-N 331 Life Cycle Nutrition ** (R:SPH-N 220 or N 231)
- 3 SPH-N 336 Community Nutrition * (P: SPH-N 231)
- 3 SPH-N 480 Mechanisms of Nutrient Action *

Requirements continue on the next page.
SUGGESTED COURSE SEQUENCE FOR NUTRITION SCIENCE
(NOTE: N & M COURSES COVERED BY COURSE REQUIREMENTS)

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<tr>
<th>FRESHMAN YEAR-Fall Semester</th>
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<tr>
<td>CHEM-C 117 &amp; 127/MATH-M 119 or MATH-M 211</td>
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<tr>
<td>ENG-W 131/ENG-W 170/CMLT-C 110</td>
<td>(3)</td>
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<tr>
<td>SPH-N 120 “Intro to Foods” or Social &amp; Historical elective</td>
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<tr>
<td>ANAT-A 215 “Human Anatomy”</td>
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<tr>
<td>CHEM-C 341 “Organic Chemistry Lectures I”</td>
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<tr>
<td>CLAS-C 209 “Medical Terms from Greek and Latin”</td>
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<td>SPH-N 120 “Intro to Foods” or Social &amp; Historical elective</td>
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<tr>
<td>Specialization Course</td>
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<tr>
<td>CHEM-C 343 “Organic Chemistry Lab I”</td>
<td>(2)</td>
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<tr>
<td>PSY-K 300/MATH-K 310 “Statistical Techniques”</td>
<td>(3)</td>
</tr>
<tr>
<td>Arts and Humanities or WLC elective</td>
<td>(3)</td>
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<tr>
<td>Specialization Course</td>
<td>(3-5)</td>
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<tr>
<td>Elective</td>
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<td>Total Credits: 14-16</td>
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<tbody>
<tr>
<td>SPH-N 430 “Advanced Nutrition I”</td>
<td>(3)</td>
</tr>
<tr>
<td>SPH-N 492/SPH-H 494 “Research in Nutrition/Diетetics”</td>
<td>(3)</td>
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<tr>
<td>Arts and Humanities/WLC/Social &amp; Historical elective</td>
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<tr>
<td>Specialization Course</td>
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<td>Elective</td>
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<th>Communication (3 cr.)</th>
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<td>Complete one of the following:</td>
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<tr>
<td>___ 3 CMCL-C 121 Public Speaking A&amp;H</td>
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<tr>
<td>or CMCL-C 122 Interpersonal Communication S&amp;H</td>
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<tr>
<td>* = Fall only ** = Spring only</td>
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<tr>
<td># = Pre Med/Dent requirements</td>
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</table>

GENERAL EDUCATION: 20-39
MAJOR: 91
COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE
Nutrition Science

About the Major: Nutrition as a Stepping Stone to Health Care or Public Health

Nutrition science integrates nutrition and the physical and life sciences, such as chemistry, biology, anatomy, and physiology, to promote healthy lifestyles. Students often choose this major for

- Pre-medical
- Pre-dental
- Pre-physician’s assistant
- Pre-optometry
- Pre-chiropractic
- Pre-pharmacy

Also, this major can lead to a career in the food industry, research, or public health.

Opportunities in the Program

Students can minor in public health, chemistry, biology or medical science. Students can join a number of student organizations available on campus such as:

- Bloomington Hospital Emergency Room Volunteer Program: http://www.hpplc.indiana.edu/a-club-bhsvol.shtml
- Eta Sigma Gamma-Nu Chapter: http://www.indiana.edu/~aphealth/st_life/esg_nu.html
- Hoosier Dentist Club: http://www.hpplc.indiana.edu/a-club-hd.shtml
- Pre-Optometry Club: http://www.indiana.edu/~optclub/Home.html
- Pre-Physician’s Assistant Club: Contact paclub@indiana.edu
- Student Pre-Medical Association: http://premed.originalname.net/

What You Can Do

Nutrition science majors

- work in medical science laboratories
- study for advanced degrees in science, medicine or public health
- plan nutrition initiatives for communities, states, or federal agencies
- do food research and communication

Where You Can Go

- agribusiness
- food industry
- insurance
- hospital labs
- government
- non-profit agencies
- pharmaceutical sales

What You Will Earn

Since most students with this major go on to advanced health care fields, it is not possible to provide a specific salary figure. Here are some sample salaries: physician assistant $75k, dentist $129k, general practice physician $137k, pharmaceutical sales $55k.

General Education (20 – 39 credits)

(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)

Complete one of the following options:

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)

Complete one of the following options:

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics:
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)

Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

- 3

Arts and Humanities (6 credits)

Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

- 3

Social and Historical Studies (6 credits)

Complete 6 S&H credits from the IUB General Education Bulletin.

- 3

World Languages and Cultures (0 to 14 credits)

Choose one of the following three options:

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR

Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR

Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

- 3

Major (91 credits)

Safety & Health Courses (48 credits, C- min req each course)

- 3 SPH-H 174 Prevention of Violence in American Society S&H
  OR SPH-S 255 Threats, Violence, and Workplace Safety
- 3 SPH-S 101 Introduction to Safety Science*
- 3 SPH-S 151 Legal Aspects of Safety**
- 3 SPH-S 201 Introduction to Industrial Hygiene*
- 3 SPH-S 210 General Industry Standards **
- 3 SPH-S 214 OSHA Construction Standards *
- 3 SPH-S 231 Safety Engineering and Technology**
- 3 SPH-S 251 Incident Investigation & Analysis **
- 3 SPH-S 332 Ergonomics & Human Factors (P/C: ANAT-A 215 or SPH-K 205) *
- 3 SPH-S 336 Emergency Management** OR
  3 SPH-S 352 System Safety Analysis** (P: 6 cr of SPH S-courses or Instructor Approval)
- 3 SPH-S 345 Safety Program Management *
  (P: 6 cr. of SPH-S courses or Instructor Approval)
- 3 SPH-S 410 Adv Indus Hygiene *(P:SPH-S201 & CHEM-C102)
- 3 SPH-S 411 Industrial Hygiene Sampling & Analysis**
  (P: SPH-S 410)
- 3 SPH-S 415 Safety Education and Training *(P:
  6 cr. of SPH-S courses or Instructor Approval)
- 6 SPH-S 496 (Formerly: HPER-S 444) Field Exp in Occup Safety
  (P: Safety majors only; jr/sr standing; consent of instructor)

Additional Required Courses (28 credits)

Complete one of the following 10 cr. Chemistry sequences:

Preferred:

- 5 CHEM-C 103 Introduction to Chemical Principles N&M
- 3 CHEM-C 117 Principles of Chemistry and Biochemistry I N&M
- 2 CHEM-C 127 Chemistry and Biochemistry Lab I N&M

Also acceptable:

- 3 CHEM-C 101 Elementary Chemistry N&M
- 2 CHEM-C 121 Elementary Chemistry Lab N&M
- 3 CHEM-C 102 Elementary Chemistry II N&M **
- 2 CHEM-C 122 Elementary Chemistry II Lab N&M **

Complete each of the following:

- 3 ENG-W 231 Professional Writing Skills or BUS-X 204
- 3 PSY-P 101 Intro to Psychology 1 N&M
- 3 PSY-P 102 Intro to Psychology 2 S&H (P:PSY-P 101 or 151)
or SOC-S 100 Intro to Sociology S&H
- 3 SPH-B 150 Intro to Public Health
- 3 SPH-H 381 (Formerly: HPER-H 391) Health Statistics
  or PSY-K 300 Stats
- 3 SPH-K 205 Structural Kines (may sub ANAT-A 215 N&M)

Requirements continued on the next page.
Professional Electives (15 credits from courses listed on reverse side. 12 credits must be at the 300/400 level. A minimum C- grade required for each course.)

Important Note: First aid certification is a requirement for safety professionals. If you are not certified in first aid through an agency outside IU, you must include SPH-H 160 First Aid and Emergency Care (3 cr.) in your professional electives.

Professional Elective Choices.
You may structure your professional electives to earn a minor in SPEA environmental management, business, or psychology.

Professional Electives (OTHERS OK w/ ADVISOR APPROVAL)

Note: Choose professional electives from below, or decide if you want to minor in SPEA, Business or Psychology

SPH (See SPH Bulletin for course prerequisites)

Labor Studies: Students may include any LSTU courses as professional electives. LSTU-L 101, 110, and 230 are all S&H

PSY PSY-P 323; PSY-P 303, P324 (If 2 of these 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) Students must choose BUS-A 200, BUS-K201 and BUS-L 201 plus four other courses in this category.

  3 BUS-A 200 Foundations of Accounting
  3 BUS-K201 The Computer in Business
  3 BUS-L 201 Legal Environ of Bus S&H (P: Soph. or Honor Freshman)
  3 BUS-F 300 Intro to Financial Mgmt (P: BUS-A 200 or BUS-A 100/ BUS-A 201-202)
  3 BUS-G300 Intro to Managerial Economics and Strategies
  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 Mgmt (P: BUS-K 201, BUS-A 200)
  3 BUS-Z 302 Managing and Behavior in Organizations OR J306 Strategic Management and Leadership

SPEA Environmental Management Minor (15 credits required for this minor; required courses include: SPEA-E 272, SPEA-E 311, SPEA-E 363, plus two other courses in this category.)

  3 SPEA-E 272 Introduction to Environmental Sciences S&H
  3 SPEA-E 311 Introduction to Risk Assessment and Risk Communication
  3 SPEA-E 363 Environmental Management
  3 SPEA-E 400 Topics in Environmental Studies
  3 SPEA-E 410 Introduction to Environmental Toxicology
  3 SPEA-E 412 Risk communication
  3 SPEA-E431 Water Supply and Wastewater Treatment
  3 SPEA-E451 Air Pollution and Control
  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)
  3 SPEA-H316 Environmental Health

SPEA Environmental Science and Health Minor (15 credits required for minor; required courses include: SPEA-E272, SPEA-E410, and SPEA-H316, plus two other courses in this category.)

  3 SPEA-E 272 Introduction to Environmental Sciences
  3 SPEA-E 375 Techniques of Environmental Science
  3 SPEA-E 410 Introduction to Environmental Toxicology
  3 SPEA-E 431 Water Supply and Wastewater Treatment
  3 SPEA-E 451 Air Pollution and Control
  3 SPEA-E 452 Solid and Hazardous Waste Management
  3 other courses in environmental science and health approved by a SPEA faculty advisor.

  3 SPEA-H 316 Environmental Health

COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.

GENERAl EDUCATION

MAJOR

20-39
91
## Suggested Course Sequence for Safety
*(Note: N&M and S&H courses covered by course requirements)*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR-Fall Semester</th>
<th>FRESHMAN YEAR-Spring Semester</th>
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<tbody>
<tr>
<td>PSY-P101 “Introduction to Psychology 1” (3)</td>
<td>PSY-P102 “Intro to Psychology 2” or SOC-S100 “Intro to Sociology” (3)</td>
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<tr>
<td>SPH-S101 “Introduction to Safety Science” (3)</td>
<td>SPH-H174 “Prevention of Violence” (3)</td>
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<tr>
<td>Arts and Humanities or WLC elective (3)</td>
<td>SPH-S151 “Legal Aspects of Safety” (3)</td>
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<tr>
<td>Elementary Composition or Math Modeling (3)</td>
<td>Arts and Humanities or WLC elective (3)</td>
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<td>Elective (1-3)</td>
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<th>SOPHOMORE YEAR-Fall Semester</th>
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<tr>
<td>CHEM-C103 “Intro to Chemical Principles” or CHEM-C101 &amp; CHEM-C121 “Elem. Chem. and Lab” (5)</td>
<td>CHEM-C117 &amp; CHEM-C127 “Prin. of Chem. &amp; Biochem and Lab” or CHEM-C102 AND CHEM-C122 “Elem. Chem. 2 and Lab” (5)</td>
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<tr>
<td>SPH-B 150 “Intro to Public Health” (3)</td>
<td>SPH-S231 “Safety Engineering and Technology” (3)</td>
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<tr>
<td>SPH-S 201 “Intro to Industrial Hygiene” (3)</td>
<td>SPH-S251 “Incident Investigation &amp; Analysis” (3)</td>
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<td>Arts and Humanities or WLC elective (3)</td>
<td>Arts and Humanities or WLC elective (3)</td>
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<tbody>
<tr>
<td>ENG-W231 “Professional Writing” (3)</td>
<td>SPEA-H316 “Environmental Health” (3)</td>
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<tr>
<td>SPH-K205 “Structural Kinesiology” (3)</td>
<td>SPH-H381 or PSY-K300 “Statistical Techniques” (3)</td>
</tr>
<tr>
<td>SPH-S214 “OSHA Construction Standards” (3)</td>
<td>SPH-S210 “General Industry Standards” (3)</td>
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<tr>
<td>SPH-S345 “Safety Program Management” (3)</td>
<td>SPH-S332 “Ergonomics” (3)</td>
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<td>Elective (3)</td>
<td>Professional Elective (3)</td>
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<td><strong>Total Credits:</strong> 15</td>
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</table>

### SUMMER AFTER JUNIOR YEAR

SPH-S496 “Safety Internship” (6 credits)

*The Safety internship can also be completed the summer after senior year*

<table>
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<th>SENIOR YEAR-Fall Semester</th>
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<tr>
<td>SPH-S410 “Advanced Industrial Hygiene” (3)</td>
<td>SPH-S411 “Industrial Hygiene Sampling and Analysis” (3)</td>
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<td>SPH-S415 “Safety Education and Training” (3)</td>
<td>Professional Elective (3)</td>
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<tr>
<td>Professional Elective (3)</td>
<td>Professional Elective (3)</td>
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<td>Professional Elective (3)</td>
<td>Elective (3)</td>
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<td>Elective (3)</td>
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<tr>
<td><strong>Total Credits:</strong> 15</td>
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Safety

About the Major: a High Priority in Today’s Society

The safety program promotes safety and health in the workplace through
- education
- hazard identification, evaluation, and control
- risk management

The course work includes safety science, safety management and industrial hygiene, along with psychology, life sciences, the environment and communication. Elective courses include homeland security, EMT, natural disasters, and business.

Opportunities in the Program

Students can minor in business, psychology, environmental science and health, or environmental management. They can join our student-run chapters of ASSE (American Society of Safety Engineers), IUEMS (IU's EMT club), and Eta Sigma Gamma (Health honorary). They have a required internship (usually paid) that takes them out into the workplace. And we have a lab that provides hands-on experience with equipment to test noise levels, air quality, and other critical indicators.

What You Can Do

Safety professionals
- reduce injuries/fatalities.
- provide safety training and leadership
- inspect for hazards
- evaluate ergonomics and environmental conditions
- design programs
- plan for emergencies
- protect corporate resources
- consult for companies or independently

Where You Can Go
- industry
- construction
- insurance
- government
- hospitals and schools
- health non-profits

What You Will Earn

Safety interns earn about $10/hr. or more. Salaries for students with BS typically start at about $40-50k, with an MS about $60-70k. For those leading loss prevention efforts for large corporations or those with consulting firms, the salary is often well into six figures.

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

**English Composition** (0 to 3 credits, C- minimum required)
Complete one of the following options:
- **3** CMLT-C 110 Writing the World
- **3** ENG-W 131 Elementary Composition
- **3** ENG-W 170 Projects in Reading and Writing
- **0** ENG-W 131 EX Elementary Composition Exemption

**Mathematical Modeling** (3 to 4 credits)
Complete one of the following options:
- **4** MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics-I & II
- **3** MATH-J 113 Introduction to Calculus with Applications
- **3** MATH-M 118 Finite Mathematics
- **3** MATH-M 119 Brief Survey of Calculus I
- **4** MATH-M 211 Calculus I
- **4** MATH-M 213 Accelerated Calculus
- **3** MATH-S 118 Honors Finite Mathematics
- **3** MATH-V 118 Finite and Consumer Mathematics:
  - **3** MATH-V 118 Finite Math for Social and Biological Sciences

**Natural and Mathematical Sciences** (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

**Arts and Humanities** (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

**Social and Historical Studies** (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

**World Languages and Cultures** (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR
Complete a 6-credit international experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (90 credits)

**Youth Development Core Courses**
(66 credits, C- min in each course)
- **3** SPH-B 150 Introduction to Public Health
- **3** SPH-F 150 Intro to Life-Span Human Development S&H
- **3** SPH-F 180 Survey of Practice with Youth & Families**
- **3** SPH-F 255 Human Sexuality S&H
- **3** SPH-F 258 Marriage & Family Interaction S&H
- **3** SPH-F 345 Parent-Child Relations*
- **3** SPH-F 346 Human Dev I - Conception > Early Childhood (P: SPH-F 150 & F 258 or equiv)
- **3** SPH-F 347 Human Dev II - Mid Childhood > Adolescence (P: SPH-F 150 & F 258 or equiv)
- **3** SPH-F 417 African American and Latino Families** (P: SPH-F 150 & F 258 or equiv)
- **3** SPH-F 430 Professional Preparation in HDFS (P: HDFS major; Jr/Sr; P/C: 18 cr. of SPH-F courses)
- **3** SPH-F 453 Family Life Educ* P:SPH-F150 & F 258 or equiv)
- **3** SPH-F 458 Family Law and Policy **
- **6** SPH-F 497 Internship in HDFS (graded S/F) + (P: SPH-F 430; 2.5 GPA, Jr/Sr; at least one from SPH-F 346 & SPH-F 347 appropriate to agency; consent of instructor)
- **3** SPH-H 160 First Aid and Emergency Care
- **3** SPH-H 494 Rsrch&EvaltnMthds - Hlth&Sfty(P:Jr/Sr; Prereq)
- **1** SPH-L102 Participant Leadership Development
- **3** SPH-N 220 Nutrition for Health
  - OR SPH-N 231 Human Nutr (P: college chem. & bio) N&M
  - OR SPH-N 331 Life Cycle Nutrition **
- **2** SPH-O 279 Outdoor Adventure Education**
- **3** SPH-R 142 Living Well S&H
- **3** SPH-R 210 Inclusion in Recreation, Parks, and Tourism
- **3** SPH-R 230 Recreational Sport Programming
- **3** SPH-R 311 Management in Recreation, Park, and Tourism*
  - * fall only ** spring only

**Additional Required Courses** (24 credits, C- min in each course)
- **3** BUS-F 260 Personal Finance
- **3** Computer Lit (BUS-K201, CSCI-A110 N&M, SPH-K200)
- **3** CJUS-P414 Adolescents and the Law*
  - OR EDUC-P313 Adolescents in a Learning Community
- **3** MATH/PSY-K 300 Stats OR SPH-H 381 Health Info & Stats
- **3** PSY-P 101 Introductory Psychology I (OR P155) N&M
- **3** PSY-P 102 Introductory Psychology II S&H
- **3** SOC-S 100 Introduction to Sociology (or SOC-S 101) S&H
- **3** SOC-S 316 Sociology of the Family

* There is an application process for the internship (F 497) which must be completed six (6) weeks prior to the semester in which the credit is to be earned. Check with the internship coordinator for information packet.
**SUGGESTED COURSE SEQUENCE FOR YOUTH DEVELOPMENT**
*(NOTE: N&M and S&H courses can be covered by course requirements)*

<table>
<thead>
<tr>
<th>FRESHMAN YEAR-Fall Semester</th>
<th>FRESHMAN YEAR-Spring Semester</th>
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<tbody>
<tr>
<td>SPH-F150 “Intro to Life-Span Human Development” (3)</td>
<td>PSY-P101 “Intro to Psychology 1” (3)</td>
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<tr>
<td>SPH-R142 “Living Well” (3)</td>
<td>SPH-B150 “Intro to Public Health” (3)</td>
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<td>Arts and Humanities or WLC elective (3)</td>
<td>SPH-F180 “Survey of Practice with Youth and Families” (3)</td>
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<td>SPH-L102 “Participant Leadership Development” (1)</td>
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<td>Arts and Humanities or WLC elective (3)</td>
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<tbody>
<tr>
<td>PSY-P102 “Intro to Psychology 2” (3)</td>
<td>CSCI-A110/SPH-K200/BUS-K201 “Computer Literacy” (3)</td>
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<tr>
<td>SPH-F255 “Human Sexuality” (3)</td>
<td>SOC-S100 “Intro to Sociology” (3)</td>
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<td>SPH-H160 “First Aid and Emergency Care” (3)</td>
<td>SPH-F258 “Marriage and Family Interaction” (3)</td>
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<td>Arts and Humanities or WLC elective (3)</td>
<td>SPH-R230 “Recreational Sport Programming” (3)</td>
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<tr>
<td>Elective (3)</td>
<td>SPH-N220 “Nutrition For Health” (3)</td>
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<th>JUNIOR YEAR-Fall Semester</th>
<th>JUNIOR YEAR-Spring Semester</th>
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<tr>
<td>SPH-F345 “Parent Child Relations” (3)</td>
<td>BUS-F260 “Personal Finance” (3)</td>
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<tr>
<td>SPH-F346 “Human Development I, Conception-Early Childhood” (3)</td>
<td>SPH-F347 “Human Development II, Mid-Childhood-Adol.” (3)</td>
</tr>
<tr>
<td>SPH-R210 “Inclusion in Recreation, Parks, and Tourism” (3)</td>
<td>SPH-F430 “Professional Preparation in HDFS” (3)</td>
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<tr>
<td>Arts and Humanities or WLC elective (3)</td>
<td>SPH-O279 “Outdoor Adventure Education” (2)</td>
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<td>Elective (3)</td>
<td>Elective (3)</td>
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<td><strong>Total Credits:</strong> 15</td>
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**SUMMER AFTER JUNIOR YEAR**

**SPH-F497 “HDFS Internship” (6 credits)**
*The internship can also be completed the summer after senior year*

<table>
<thead>
<tr>
<th>SENIOR YEAR-Fall Semester</th>
<th>SENIOR YEAR-Spring Semester</th>
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<tbody>
<tr>
<td>CJUS-P414 “Adolescents and Law” or EDUC-P313 “Adolescents in a Learning Community” (3)</td>
<td>SOC-S316 “Sociology of the Family” (3)</td>
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<tr>
<td>PSY-K300/SPH-H381 “Statistical Techniques” (3)</td>
<td>SPH-F417 “African American and Latino Families” (3)</td>
</tr>
<tr>
<td>SPH-F453 “Family Life Education” (3)</td>
<td>SPH-F458 “Family Law and Policy” (3)</td>
</tr>
<tr>
<td>SPH-R311 “Management in Recreation, Park, and Tourism” (3)</td>
<td>SPH-H494 “Research and Eval. Methods-Hlth and Safety” (3)</td>
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<tr>
<td>Elective (3)</td>
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Youth Development

The youth development program prepares students for the professional delivery of services which focus on the infant, child, and adolescent across all ability levels and within the family, community context. Required courses build a strong foundation to serve youth through integration of key professional topics including: professionalism, cultural and human diversity, applied human development, relationships and communication, and program development.

Opportunities in the Program

Students participate in required internships with faculty supervision and are encouraged to engage in a variety of youth-serving settings. A student who completes the major requirements is prepared to apply for certification to become a Family Life Educator with an Indiana Youth Development Credential from the National Council on Family Relations. Initial steps will also have been completed toward earning the Child and Youth Care – Professional (CYC-P) credential.

Students in this program have the opportunity to engage in a career class, school of HPER Career Services, leadership development student organizations, clubs, and individual research with faculty members, and involvement in service and professional organizations.

Career Opportunities

Graduates with a bachelor's degree are equipped to work in a wide variety of youth-serving agencies including: hospitals, schools, group homes, non-profit organizations, juvenile justice systems, public health agencies, and community youth services, and afterschool programs. The Youth Development degree was compiled to complement both state and national efforts to provide high quality professionals who are prepared to maintain both credentials at both the state and national level.

The youth development curriculum also provides a strong base of theoretical and practical knowledge which serves students who may pursue advanced degrees in public health, criminal justice, social work, physical therapy, and medicine.

Careers after completing a graduate or advanced graduate degree:

- Youth Development Administrator
- Education Administrators
- Social Worker (Child, Family, School)
- School Counselor
- Substance Abuse Counselor
- Psychologist (Child, Clinical, School)
- Marriage and Family Therapist
- Behavioral Disorder Counselor
- Occupational Therapist

Employment Outlook

The employment outlook for child development careers in general varies, since an education in child development might lead you to a variety of employment opportunities. According to the U.S. Bureau of Labor Statistics (BLS), career opportunities in child development were expected to increase from 2008 to 2018. The starting salary range is $30,000-$35,000. With a Master's degree, starting salaries range from $33,000 to $40,000.

Bachelor of Science in Athletic Training
Athletic Training (ATATBS)
B.S. in Athletic Training (120 minimum credit hours)
Department of Kinesiology
Application and 2.5 GPA required for admission. 2.0 GPA required for graduation.
Effective for students matriculating summer 2013

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:
   ___ 3 CMLT-C 110 Writing the World
   ___ 3 ENG-W 131 Elementary Composition
   ___ 3 ENG-W 170 Projects in Reading and Writing
   ___ 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:
   ___ 3 MATH-A 118 Finite Mathematics for the Soc and Behavior Sci
   ___ 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
   ___ 3 MATH-J 113 Introduction to Calculus with Applications
   ___ 3 MATH-M 118 Finite Mathematics
   ___ 3 MATH-M 119 Brief Survey of Calculus I
   ___ 4 MATH-M 211 Calculus I
   ___ 4 MATH-M 213 Accelerated Calculus
   ___ 3 MATH-S 118 Honors Finite Mathematics
   ___ 3 MATH-V 118 Finite and Consumer Mathematics:
   ___ 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.
   OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.
   OR
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (89 credits)

Skill / Theory Courses (64 credits, C- min req each course)
   ___ 3 EDUC-G 207 Introduction to Student-Athlete Counseling
      Psychology & Mental Health
   ___ 1 SPH-A 269 Clinical Education in Athletic Training I*
   ___ 1 SPH-A 270 Clinical Education in Athletic Training II**
   ___ 3 SPH-A 279 Recog & Eval-Lower Extrem Injury in Physc Active*
   ___ 3 SPH-A 281 Recog & Eval-Upper Extrem Injury in Physc Active**
   ___ 3 SPH-A 282 Strapping & Bandaging of the Physically Active*
   ___ 3 SPH-A 283 General Medical Issues in Athletic Training**
   ___ 1 SPH-A 381 Clinical Education in Athletic Training III*
   ___ 1 SPH-A 382 Clinical Education in Athletic Training IV*
   ___ 3 SPH-A 383 Principles & Techniq of Therapeutic Modalities**
   ___ 4 SPH-A 384 Principles & Techniq of Therapeutic Exercise**
   ___ 1 SPH-A 481 Clinical Education in Athletic Training V*
   ___ 1 SPH-A 482 Clinical Education in Athletic Training VI**
   ___ 3 SPH-A 490 Organiztn & Administration of Athletic Training*
   ___ 3 SPH-A 494 Senior Seminar in Athletic Training*
   ___ 3 SPH-H 160 First Aid & Emergency Care (minimum B req)
   ___ 3 SPH-H 401 Emergency Medical Technician
   ___ 3 SPH-H 404 Emergency Medical Technician Laboratory
   ___ 3 SPH-K 280 Basic Prevent & Care of Athletic Injuries (B- min
   ___ 3 SPH-K 316 Theories of Advanced Conditioning
   ___ 3 SPH-K 391 Biomechanics
   ___ 3 SPH-K 409 Basic Phys of Exercise(P: ANAT-A 215 & P215)
   ___ 3 SPH-K 450 Topics: Intro to Kinesiology & Public Health
   ___ 3 SPH-K 450 Topics: Evidence Based Practice or NURS-H
      365 Nursing Research
   ___ 3 SPH-K 452 Motor Learning
   ___ 3 SPH-K 488 Athletic Training Assessment & Adaptation for
      Individuals with Physical Disabilities*
   ___ 3 SPH-N 231 Human Nutrition N&M (P: CHEM-C 101 or equiv
      & Biol)

Additional Required Courses (25 credits)
   ___ 5 ANAT-A 215 Basic Human Anatomy (minimum C req) N&M
   ___ 5 CHEM-C 101 Elem Chem 1 N&M and CHEM-C 121 Lab N&M
   ___ 5 OR CHEM-C 103 Introduction to Chemical Principles N&M
   ___ 5 PHSL-P215 Basic Human Physiology N&M
   ___ 4 PHYS-P 101 Physics in the Modern World N&M
   ___ 3 PSY-K 300 Statistical Techniques OR SPEA-K 300
   ___ 3 SPH-K 200 Computer OR SPH-R 212 OR CSCIA-A 110 N&M

* Generally fall only
** Generally spring only

All students must complete the Indiana state basic EMT Certification exam upon completion of H401/H404 and evidence of CPR certification submitted to the recorder in SPH Room 115.

GENERAL EDUCATION  20-39
   MAJOR  89
   COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.
REQUIREMENTS FOR ADMISSION TO THE ATHLETIC TRAINING PROGRAM (ATP)

Admission to the Athletic Training Program is limited. Interested students must apply and be accepted by a screening committee. Career goals, previous athletic training experience and scholastic record are all considered during the screening procedure. Students must make application by March 1 in the spring semester of their freshman year. Notification of acceptance will be made by July 1.

Admittance to the Athletic Training Program including:

1. Completion of the following three courses with the following minimum required grades.
   a. Completion of SPH-H 160 with a minimum B grade
   b. Completion of SPH-K 280 with a minimum B- grade
   c. Completion of ANAT-A 215 with a minimum C grade
2. Indiana University cumulative GPA of 2.50 or higher
3. Submission of a completed online application for admission at: https://www.indiana.edu/~SPHweb/atApplication/index.php, including the: names and email address of 3 references (email sent to them once you complete application)
4. Completion of Athletic Training Experience (Buddy Program) – Hour verification and Basic Athletic Training Proficiency Skills forms. Forms A & B can be found at: http://www.publichealth.indiana.edu/docs/program-areas/at-buddy-form.docx
5. Completion of the online Technical Standards form at: http://www.publichealth.indiana.edu/docs/program-areas/at-technical-standards.docx
6. Completion of Federal Criminal History Background Check, see link below:
   a. www.CertifiedBackground.com and click on “Students” then enter package code IB74. You will then be directed to set up your Certified Profile account.
   b. A fee of approximately $30 may be associated with this as determined by federal policies. This background check is required from students prior to formal admission to the program
7. Current transcript (transfer students only)
8. Interview with athletic training admissions committee
9. Note: Transfer students must also meet the above requirements. See further details relative to transfer students on the Observation Experience form.

Admission to the undergraduate Athletic Training Program is determined by the following criteria:

1. Overall GPA and grade in the three required courses (45 percent)
2. Letters of recommendation and application (20 percent)
3. Interview (35 percent)

The relative weight of these criteria may be adjusted from time to time at the reasonable discretion of the program director. However, such changes will be identified in the application materials so that all applicants will be aware of the weight of the selection criteria when they make apply to the program. A selection committee that includes at least one Board of Certification (BOC) certified member determines admission to the program.

Once admitted into the ATP other requirements must be fulfilled prior to starting in the Program. The admitted student will receive written notification of these requirements but will include the following: first year membership in the National Athletic Trainers’ Association (~$75 and annual); liability insurance (~ $35/annually), Hepatitis B series in progress (~ $100 for complete series); proof of a Mantoux TB test (~$15); a physical exam and completion of a medical history form with signed documentation of Technical Standards form by a qualified Health Care Provider; current First Aid and CPR/AED for the Professional Rescuer cards; EMT certification (~$135). Each student will also purchase a clinical assessment kit (~$40) and pay for professional attire (~$40).

*prices for immunizations are approximate through the Indiana University Student Health Center
ATHLETIC TRAINING DEGREE COURSE SEQUENCE

The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. There is very little flexibility within this plan. Planning for correct sequencing of course work is extremely important in this major. Students should meet with an advisor at least once each semester to plan their curriculum. Students interested in high school teaching/AT should consider the 5-year option. See your advisor.

<table>
<thead>
<tr>
<th>Advising Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>~Freshman year</td>
</tr>
<tr>
<td>30 credit hours (or complete a total of 30 credit hours by the beginning of the third semester).</td>
</tr>
<tr>
<td>• Apply for admission by March 1 of freshman year. Since application/admission occurs once each year, students who are not admitted by the beginning of the sophomore year cannot complete the required course sequencing four years. Get application in SPH 115 no later than February (recommendation and observation forms are attached to the application and must be returned by March 1).</td>
</tr>
<tr>
<td>Complete courses listed in the right column. To qualify for application to the program, students must have a minimum overall grade point average of 2.5 and 26 or more credit hours completed, including three prerequisite courses.</td>
</tr>
<tr>
<td>♦ Required prior to admission.</td>
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<tr>
<td>□ A grade of C or higher is required for admission</td>
</tr>
<tr>
<td>▲ A grade of B or higher is required for admission</td>
</tr>
<tr>
<td>♣ A grade of B- or higher is required for admission</td>
</tr>
<tr>
<td>Beginning Fall 2011, all SPH A or K courses must be completed with a C-grade or higher</td>
</tr>
<tr>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td>CHEM-C 101 &amp; 121 ANAT-A 215 ♦</td>
</tr>
<tr>
<td>OR CHEM-C103 SPH-H 160 ▲</td>
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<tr>
<td>ENG-W 131 or W 170 Arts/Humanities</td>
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<tr>
<td>SPH-K 280 ♦♠ Math Modeling</td>
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<tr>
<td>SPH-K 450 Social/Historical</td>
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<tr>
<td>Apply for admission by March 1</td>
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<tr>
<td>~Sophomore year</td>
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<tr>
<td>31 credit hours (or complete a total of 61-62 credit hours by the beginning of the fifth semester).</td>
</tr>
<tr>
<td>Complete courses listed in the right column. SPH ‘A’ athletic training courses are restricted to students admitted to the program. Students must be accepted into the Athletic Training Program by the beginning of the sophomore year or third semester to complete the major in four years.</td>
</tr>
<tr>
<td>@ See TAB sheet or bulletin for options.</td>
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<tr>
<td>~ Fall only ♢ Spring only</td>
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<tr>
<td>~Junior year</td>
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<tr>
<td>32-33 credit hours (or complete a total of 93-94 credit hours by the beginning of the seventh semester).</td>
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<td>Complete courses listed in the right column.</td>
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<td>@ See TAB sheet or bulletin for options.</td>
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<tr>
<td>~ Fall only ♢ Spring only</td>
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<tr>
<td>~Senior year</td>
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<td>30-31 credit hours (or complete a minimum of 120 credit hours).</td>
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<td>Complete courses listed in the right column.</td>
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<tr>
<td>Careful sequencing of courses is critical since several courses are offered only fall or spring semester.</td>
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<td>@ See TAB sheet or bulletin for options.</td>
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<tr>
<td>~ Fall only ♢ Spring only</td>
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<tr>
<td>Suggested sequencing:</td>
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<tr>
<td>SPH-A 481 SPH-A 482</td>
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<tr>
<td>SPH-A 491 ~ SPH-A 490 ♦</td>
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<tr>
<td>SPH-K 452 SPH-K 409</td>
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<tr>
<td>SPH-K 488 Arts/Humanities</td>
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<td>Social/Historical World Lang &amp; Culture</td>
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<tr>
<td>World Lang &amp; Culture Free Elective (1-2)</td>
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<tr>
<td>Free Elective (1-2) ~ to total 120</td>
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</tbody>
</table>
Athletic Training

Description of Program

Indiana University has been educating athletic trainers since 1949. Today, Indiana University is one of only a few institutions in the United States to offer both undergraduate and graduate athletic training programs accredited by the Commission on Accreditation for Athletic Training Education (CAATE).

Students who earn a B.S. in Athletic Training degree are prepared to sit for the Board of Certification (BOC) examination during their final semester of coursework. The three year Athletic Training Program (ATP) provides students with related theoretical coursework as well as an intensive clinical education experience exposing students to a variety of different philosophies and clinical skills. Students complete a progressive sequence of coursework in addition to taking on more responsibility each year during clinical education, applying in a real life setting the skills and knowledge learned in the classroom. This facilitates the learning and mastery process.

During the sophomore year, students are assigned to new clinical education preceptors (clinical instructors) approximately every five weeks, thus rotating through a variety of on and off-campus clinical education experiences with different sports, settings and venues. Athletic Training Program juniors participate in three to four clinical experience rotations throughout the year participating in coverage of daily home practices and competitions. Seniors are assigned to one clinical education preceptor thus providing seniors with an in-depth, daily clinical education experience with one sport or setting throughout the entire year. Students also experience general medical rotations, including a service-based experience. These experiences broaden their understanding of comprehensive medical care with diverse patient populations and help them gain a sense of social responsibility. The clinical education progression in combination with concentrated academic study with different faculty, clinical staff, clinical preceptors, and other allied health care personnel provides students with a well-rounded learning experience. Clinical education hour expectations for athletic training students (ATS) are as follows:

- **Sophomores (first year AT students):** a minimum average of 10-20 hours per week; however the athletic training student may participate in clinical education a maximum of 40 hours/ per week as long as clinical hours do not exceed an average of 20 per week for the semester. Clinical education may begin prior to or extend beyond the institution’s academic calendar and/or include holiday or institutional breaks. Per CAATE standards and IU policies, clinical experiences must be educational in nature.
- **Juniors:** a minimum average of 15-20 hours per week; however may participate in clinical education a maximum of 40 hours/ per week as long as clinical hours do not exceed an average of 20 per week for the semester. Clinical education may begin prior to or extend beyond the institution’s academic calendar and/or include holiday or institutional breaks. Per CAATE standards and IU policies, clinical experiences must be educational in nature.
- **Seniors:** a minimum average of 20 hours per week; however may participate in clinical education a maximum of 40 hours/ per week as long as clinical hours do not exceed an average of 20 per week for the semester. Clinical education may begin prior to or extend beyond the institution’s academic calendar and/or include holiday or institutional breaks. Per CAATE standards and IU policies, clinical experiences must be educational in nature.

Graduates often pursue a Master’s Degree in Athletic Training or related fields or are employed in a variety of settings. Examples of such settings include universities, secondary schools, clinics or hospitals, industrial settings, military, performing arts, physician offices or professional teams.

Special Opportunities

1. The Athletic Training Student Council, composed of both graduate and undergraduate students, is regularly involved with philanthropic activities and also assists students with partial funding for professional development activities.
2. An overseas travel experience during the summer to the Dominican Republic to work with a variety of different baseball teams.

Careers

Athletic trainers help prevent, assess, treat, and rehabilitate injuries. Athletic trainers can work with clients of all ages and in many areas, from athletics, to health care, to industry. They are often the first on the scene when injuries occur and are trained to assess injuries and provide immediate care. Athletic trainers also help to prevent injuries through taping, bracing, and education. Board certified athletic trainers often find employment in colleges and universities, secondary schools, clinics or hospitals, industrial settings, military, performing arts, physician offices, or professional teams.
Bachelor of Science in Kinesiology
General Education (20 – 39 credits)

(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)

Complete one of the following options:

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)

Complete one of the following options:

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 131 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)

Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)

Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)

Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)

Choose one of the following three options:

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR

Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR

Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (80 - 84 credits)

Dance Core: (67 credits)

Complete each of the following courses:

- 3 SPH-A 387 Management of Dance Injuries (P: K 205)
- 2 SPH/THTR-D100 A Somatic Approach to Ballet Practices
- 2 SPH/THTR-D100 A Somatic Approach to Ballet Practices
- 2 SPH/THTR-D100 A Somatic Approach to Ballet Practices
- 2 SPH/THTR-D100 A Somatic Approach to Ballet Practices
- 2 SPH/THTR-D100 A Somatic Approach to Ballet Practices
- 1 SPH/THTR-D102 Body Conditioning for Dancers
- 3 SPH-D 111 or THTR-D 109 Core of Dance Technique
- 3 SPH/THTR-D 112 Core of Dance Technique II
- 1 SPH/THTR-D 121 Techniques of Movement Improvisation
- 2 SPH/THTR-D 161 Foundations of Modern Dance (P: D121)
- 1 SPH/THTR-D 200 Dance for Special Populations
- 3 SPH/THTR-D 351 Teaching of Modern Dance (P: D211)
- 1* SPH/THTR-D 201 Modern Dance Workshop
- 1* SPH/THTR-D 201 Modern Dance Workshop
- 1* SPH/THTR-D 201 Modern Dance Workshop
- 3 SPH/THTR-D 211 Advanced Technique I (P: D112)
- 3 SPH/THTR-D 212 Advanced Technique II (P: D211)
- 2 SPH/THTR-D 221 Dance Composition I (P: D121)
- 2 SPH/THTR-D 222 Dance Composition II (P: D221)
- 1* SPH/THTR-D 261 Indiana University Dance Theatre
- 1* SPH/THTR-D 261 Indiana University Dance Theatre
- 1* SPH/THTR-D 261 Indiana University Dance Theatre
- 3 SPH/THTR-D 311 Theory and Pract. of Dance Techn (P: D212)
- 3 SPH/THTR-D 312 Theory & Pract. of Dance Techn II (P: D311)
- 3 SPH/THTR-D 332 Twentieth Century Concert Dance
- 2 SPH/THTR-D 353 Musical Resources for Dance
- 2 SPH/THTR-D 411 Senior Seminar in Dance I
- 2 SPH/THTR-D 412 Senior Seminar in Dance II
- 2 SPH/THTR-D 421 Choreographic Performance Project (P: D222)
- 2 SPH/THTR-D 441 Dance Production I
- 1 SPH/THTR-D 461 Methods of Movement Analysis
- 2 SPH/THTR-D 462 Dance Summary (senior dance majors only)
- 3 SPH-K 450 Topic: Introduction to Kinesiology & Public Health

Choose a Dance Track on the next page. (13 – 17 cr.)

In addition to the Dance Core courses, Dance majors must select and complete one of the following two tracks:

- Track 1: Creative Practice and Performance (15 - 17 cr.)
  - or
- Track 2: Movement Arts and Sciences (13 cr.)

Complete the requirements for one of the tracks on the following page.
Complete the requirements for either Track 1 or Track 2 as follows:

**Track 1: Creative Practice and Performance (15 - 17 cr.)**

Complete each of the following courses (9 – 11 cr.):

1. SPH/THTR-D 105 Foundations of Strength in Technique
2. SPH/THTR-D 106 Foundations of Strength in Technique
3. SPH/THTR-D 241 Urban and Global Dance Styles
4. SPH/THTR-D 242 Urban and Global Dance Styles
5. SPH/K-205 Structural Kinesiology (3 cr.)
   or ANAT-A 215 Human Anatomy (5 cr.)

Complete 6 credit hours from the following dance electives:

1. AAAD-A 100 African American Dance Company (repeatable)
2. AAAD-A 221 Dance in the African Diaspora (fall)
3. SPH/THTR-D 100 A Somatic Approach to Ballet Practices
4. SPH/THTR-D 105 Foundations of Strength in Technique
5. SPH/THTR-D 200 Dance for Special Populations
   or SPH/THTR-D 351 Teaching of Modern Dance (P: D211)
6. SPH/THTR-D 201 Modern Dance Workshop
7. SPH/THTR-D 231 Introduction to Dance Studies A&H
8. SPH/THTR-D 241 Urban and Global Dance Styles
9. SPH/THTR-D 261 Indiana University Dance Theatre
10. SPH/THTR-D 480 Advanced Choreographic Investigations
11. SPH/THTR-D 497 Internship in Community Dance Partnerships
12. SPH-K 450 Topic: Stott Pilates Intensive Mat-Plus
13. 3-6 THTR-T Any advisor approved theatre class(es)

* Must be taken concurrently with a 3 credit modern dance technique class.

**Track 2: Movement Arts and Sciences (13 cr.)**

Complete each of the following courses (13 cr.):

1. ANAT-A215 Human Anatomy N&M
2. SPH/THTR-D 105 Foundations of Strength in Technique
3. SPH/THTR-D 241 Urban and Global Dance Styles
4. PHSL-P 215 Basic Human Physiology N&M

Complete 6 credit hours from the following dance electives:

1. AAAD-A 100 African American Dance Company (repeatable)
2. AAAD-A 221 Dance in the African Diaspora (fall)
3. SPH/THTR-D 100 A Somatic Approach to Ballet Practices
4. SPH/THTR-D 105 Foundations of Strength in Technique
5. SPH/THTR-D 200 Dance for Special Populations
   or SPH/THTR-D 351 Teaching of Modern Dance (P: D211)
6. SPH/THTR-D 201 Modern Dance Workshop
7. SPH/THTR-D 231 Introduction to Dance Studies A&H
8. SPH/THTR-D 241 Urban and Global Dance Styles
9. SPH/THTR-D 261 Indiana University Dance Theatre
10. SPH/THTR-D 480 Advanced Choreographic Investigations
11. SPH/THTR-D 497 Internship in Community Dance Partnerships
12. SPH-K 450 Topic: Stott Pilates Intensive Mat-Plus
13. 3-6 THTR-T Any advisor approved theatre class(es)

* Must be taken concurrently with a 3 credit modern dance technique class.

**SPEA-Arts Administration Certificate:**

Visit the SPEA website at: [http://www.indiana.edu/~speaweb/academics/pdfs/arts_cert-app.pdf](http://www.indiana.edu/~speaweb/academics/pdfs/arts_cert-app.pdf)

**Business Minor/certificate:**

Visit the Kelley website at: [http://www.indiana.edu/~bulletin/iub/kelley-ugrad/2012-2013/index.shtml](http://www.indiana.edu/~bulletin/iub/kelley-ugrad/2012-2013/index.shtml)

**Public Health Minors:**

Visit the Public Health website at: [http://www.publichealth.indiana.edu/degrees/minors.shtml](http://www.publichealth.indiana.edu/degrees/minors.shtml)

Visit the Kinesiology website at: [http://www.publichealth.indiana.edu/departments/kinesiology/index.shtml](http://www.publichealth.indiana.edu/departments/kinesiology/index.shtml)

**GENERAL EDUCATION**

- 20 – 39

**MAJOR**

- 80 – 84

**COMPLETE A MINIMUM OF 124 CREDITS FOR THIS DEGREE.**

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**Dance**

**Description of Program**

The Department of Kinesiology offers a Bachelor of Science in Dance. The major consists of 70 credits, and the curriculum includes dance technique, repertory, improvisation, composition, pedagogy, history, music, production, movement analysis, injury prevention, and Pilates certification. In addition, students take a strong science core, and complete requirements in arts and humanities. Modern dance and ballet are requirements in the dance major curriculum, and students can also elect to study jazz, musical theatre, tap, dances of the African Diaspora, hip-hop, and social dance. Students have technique classes and repertory rehearsals daily, as well as work in improvisation, composition, and choreography several days a week. The dance major is a program rich in artistic integrity and disciplined dance training, and also provides a strong academic and theoretical core that is essential to producing wholly integrated artists and successful dance professionals. An audition is required for acceptance into the Bachelor of Science in Dance offered by the Department of Kinesiology.

**Special Opportunities**

All dance majors are performing members of the Indiana University Dance Theatre, and perform in faculty/guest artist concerts as well as in student works. Seniors produce a concert each fall. Students can find other performing opportunities with the opera, musical theatre program, the African American Dance Company and Bloomington’s local modern dance company, Windfall Dancers. Dance majors also have opportunities to perform nationally and internationally at various festivals and conferences. Additionally, students are encouraged to pursue special areas of interest, such as dance in technology and dance scholarship and creative activity (through the Hutton Honors College).

**Careers**

The Department of Kinesiology also offers several minors which nicely compliment the dance major, such as Fitness Instruction and Sports Marketing and Management. Other areas of professional preparation include pre-dance therapy, pre-physical therapy, and Pilates certification. Minors or certifications in Business and Arts Administration (SPEA), or the Liberal Arts Management program may also be of interest. Graduates of the dance major are working in many diverse venues as performers, teachers, choreographers, company managers, art administrators, artistic directors, university professors, and dance educators within public school systems.
APPLICATION AND AUDITION INFORMATION

An application and audition is required for admission to the Department of Kinesiology's major in Dance at Indiana University. The application packet may be obtained from the Department of Kinesiology. Please contact:

Mildred Perkins, Undergraduate Secretary
1025 East Seventh Street, SPH 112
Bloomington, IN 47405
Phone: 812-855-6172
Fax: 812-855-3193
mlperkin@indiana.edu

Please submit the application materials to the above address.

Audition dates are normally in November in March. Please check with the department for the exact day.

All application materials for the dance major must be received at least three week prior to the audition date. Applicants will receive a confirmation letter prior to the audition. This letter must be presented at the time of the audition.

Please report to SPH Room 161 at 9:30 on the date of the audition. A campus map will accompany the audition letter. Applicants will have the opportunity to observe a modern dance technique class from 10:00 a.m.-11:30 a.m. The audition will begin promptly at 11:30 a.m. with a two hour technique class. The class will consist of a ballet barre and several modern dance combinations. Box lunches will be served from 1:30-2:15 p.m. Students should then be prepared to show a two minute solo in the modern dance genre. Solos may be choreographed by the performers or by a dance professional. Following the audition, dancers may elect to view repertory rehearsals from 3:30-6:30 p.m., at which time, faculty will also be available to answer questions. Letters indicating audition results will be sent approximately two weeks following the audition.

Please note:

All students must officially apply and be accepted to Indiana University Bloomington prior to being admitted to the Department of Kinesiology dance major. Students may audition for the major prior to official admission to IU.

Additionally, in adherence to university policy, students who pass the audition process and are admitted to Indiana University Bloomington must complete 26 credit hours with a cumulative grade point average of 2.0 or higher in order to be officially accepted into the dance major.

Questions concerning the dance major may be directed to:

Elizabeth Shea
Coordinator, IU Contemporary Dance Program
1025 East Seventh Street, SPH 112
Bloomington, IN 47405
Phone: 812-855-7020
Fax: 812-855-3193
eshea@indiana.edu

SCHOOL OF PUBLIC HEALTH-BLOOMINGTON  
DEPARTMENT OF KINESIOLOGY—DANCE

The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. There is usually some flexibility within this plan as long as free elective course credit hours are not exceeded. Planning for correct sequencing of course work is extremely important in this major. Students should meet with an advisor at least once each semester to plan their curriculum.

**Advising Plan**

<table>
<thead>
<tr>
<th>Year</th>
<th>SPH/THTR-D courses must be completed in this sequence.</th>
<th>SPH/THTR-D courses must be completed in this sequence.</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Freshman year</td>
<td>* Fall only + Spring only</td>
<td>* Fall only + Spring only</td>
<td>SPH-D 111 or THTR-D 109*</td>
<td>SPH/THTR-D 112+</td>
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<td>SPH/THTR-D 121*</td>
<td>SPH/THTR-D 161+</td>
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<td>SPH/THTR-D 261*</td>
<td>SPH/THTR-D 201+</td>
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<td>ENG-W 131 or W 171</td>
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<td>SPH/THTR-D102</td>
<td>SPH-P 205 (3 cr.) or</td>
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<td>Mathematical Modeling</td>
<td>ANAT-A 215 (5cr) or N/M</td>
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<td>Dance Elective 1-2 (cr.)</td>
<td>Dance Elective 1-2 (cr.)</td>
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<td>SPH/THTR-D 211*</td>
<td>SPH/THTR-D 212+</td>
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<td>SPH/THTR-D 261*</td>
<td>SPH/THTR-D 200 or D351#</td>
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<td>SPH/THTR-D 332*</td>
<td>SPH/THTR-D 201+</td>
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<td>Social &amp; Historical</td>
<td>PHS-215 N/M</td>
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<td>Dance Elective (1 cr.)</td>
<td>Arts &amp; Humanities Crse</td>
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<td>* Fall only + Spring only</td>
<td>SPH/THTR-D 311*</td>
<td>SPH/THTR-D 312+</td>
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<td>SPH-A 387+ or</td>
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<td>Social/Historical</td>
<td>World Lang &amp; Cult</td>
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<td>Dance Elective</td>
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<tr>
<td>Senior year</td>
<td>SPH/THTR-D courses must be completed in this sequence.</td>
<td>*Fall only +Spring only</td>
<td>SPH/THTR-D 411*</td>
<td>SPH/THTR-D412+</td>
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<td>SPH-K 452</td>
<td>SPH-A 387+ or</td>
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<td>SPH/THTR-D 462*</td>
<td>Free Elective (3 cr.)</td>
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<td>SPH/THTR-D 353* or D 461*</td>
<td>SPH-K 409</td>
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<td>World Lang &amp; Cult</td>
<td>Free Elective (3-6)</td>
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<td></td>
<td>Free Elective (3 cr.)</td>
<td>Dance Elective (1-3cr.)</td>
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<td>Dance Elective (1 cr.)</td>
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</table>

Must have a total of 120 credit hours
INDIANA UNIVERSITY
SCHOOL OF PUBLIC HEALTH
Bloomington

Exercise Science (KYEXSBS)
B.S. in Kinesiology degree (120 minimum credit hours)
Department of Kinesiology
2.5 GPA required for admission, 2.0 GPA req. for graduation
No Pass/Fail except for free electives
Effective for students matriculating summer 2013

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:
  ___ 3 CMLT-C 110 Writing the World
  ___ 3 ENG-W 131 Elementary Composition
  ___ 3 ENG-W 170 Projects in Reading and Writing
  ___ 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:
  ___ 3 MATH-A 118 Finite Mathematics for the Soc and Behavior Sci
  ___ 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
  ___ 3 MATH-J 113 Introduction to Calculus with Applications
  ___ 3 MATH-M 118 Finite Mathematics
  ___ 3 MATH-M 119 Brief Survey of Calculus I
  ___ 4 MATH-M 211 Calculus I
  ___ 4 MATH-M 213 Accelerated Calculus
  ___ 3 MATH-S 118 Honors Finite Mathematics
  ___ 3 MATH-V 118 Finite and Consumer Mathematics:
  ___ 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR
Complete a 6-credit International experience in an approved study abroad.
A list of approved course choices may be found in the IUB General Education Bulletin.

Major (81 – 90 credits)

Complete the following Exercise Science courses (42-45 cr.):
  ___ 2 SPH-I 119 Personal Fitness
  ___ 3-5 SPH-K 205 Structural Kines
  OR  ANAT-A 215 Basic Human Anatomy N&M
  ___ 3 SPH-K 212 Introduction to Exercise Science
  ___ 3 SPH-K 391 Biomechanics
  ___ 3 SPH-K 405 Introduction to Sport Psychology
  ___ 3 SPH-K 409 Basic Physiology of Exercise (P:ANAT-A 215
  or SPH-K 205 & PHLS-P 215)
  ___ 3 SPH-K 450 Topics: Introduction to Exercise Science & Public Health
  ___ 3 SPH-K 452 Motor Learning
  ___ 3 SPH-N 231 Human Nutrition (P:CHEM-C 101 or C 117) N&M
  ___ 5 PHSL-P 215 Basic Human Physiology N&M
  ___ 5 PHYS-P 201 General Physics 1 N&M
  ___ 3-4 PSY-K 300 Stats Technq OR STAT-S 303 OR STAT-S 300
  ___ 3 PSY-P 101 Introductory Psychology 1 OR PSY-P 155 N&M

Complete a minimum of 19 credits from the following Exercise Science electives (19 cr.):
  ___ 3 SPH-B 354 Multidisciplinary Perspectives in Gerontology
  ___ 3 SPH-F 150 S&H or EDUC-P 314 Life Span Development
  ___ 3 SPH-H 160 First Aid & Emergency Care
  ___ 3 SPH-M 211 Introduction to Sport Management
  ___ 3 SPH-K 217 Methods of Group Exercise Instruction
  ___ 2 SPH-K 280 Basic Prevention and Care of Athletic Injuries
  ___ 2 SPH-K 283 Group Fitness Practicum
  ___ 1 SPH-K 301 Job Search Strategies for Kines Students
  ___ 3 SPH-K 317 Theory and Practice of Resistance Training
  ___ 3 SPH-M 333 Sport in America: Historical Perspective
  ___ 3 SPH-K 335 Theories of Conditioning for Coaching *
  ___ 3 SPH-M 382 Sport in American Society **
  ___ 3 SPH-K 398 Adapted Physical Education
  1-2 SPH-K 385 Practicum in Adapted Phys. Ed.
  ___ 3 SPH-K 412 Exercise in Health and Disease** (P: SPH-K 409)
  ___ 3 SPH-K 416 Fitness Management
  ___ 3 SPH-K 417 Physical Activity and Disease (P: K 409) *
  ___ 3 SPH-K 435 Philosophical Foundations of Coaching **
  1-3 SPH-K 497 Internship in Exercise Science
  ___ 3 SPH-K 490 Motor Development and Learning *
  ___ 3 SPH-K 492 Research in Kinesiology
  1-3 SPH-K 496 Lab Assisting or Field Exp. in Kinesiology

Additional Elective choices continued on reverse side.
Additional Elective choices:

- 3 ANTH-A 105 Human Origins S&B
- 4 ANAT-A 464 Human Tissue Biology **
- 3 ANTH-A 303 Evolution and Prehistory
- 3 ANTH-B 200 Bioanthropology N&M
- 3 ANTH-B 301 Bioanthropology Laboratory
- 3 ANTH-B 480 Human Growth and Development
- 3-5 BIL-L 100 Humans & the Biological World * N&M
  or BIL-L 104 Introductory Biology Lectures N&M
  or BIL-L 112 Intro to Biology: Biological Mech N&M
- 3 BIL-L 111 Intro to Biology: Evolution & Diversity N&M
- 3 BIL-L 113 Biological Laboratory (P: BIL-L 112)
- 3 BIL-L 211 Molecular Biology (P: L112)
- 3 BIL-L 302 Topics in Human Biology
- 3 BIL-L 311 Genetics & Development
- 3 BIL-L 312 Cell Biology
- 3 BIL-L 313 Cell Biology Laboratory
- 3 BIL-L 330 Biology of the Cell
- 3 BIL-M 200 Microorganisms in Nature and Disease**
- 1 BIL-M 215 Microorganism Laboratory**
- 4 BIL-P 451 Integrative Human Physiology (prev. PHSL 431)
- 5 CHEM-C 103 Introduction to Chemical Principles N&M
  or CHEM-N 330 Intermediate Inorganic Chem (P: C341, C342)
- 3 CHEM-C 341 Organic Chemistry I
- 3 CHEM-C 342 Organic Chemistry II (P: CHEM-C 341)
- 2 CHEM-C 343 Organic Chemistry Laboratory I
- 2 CHEM-C 344 Organic Chemistry Laboratory II
- 3 CHEM-C 360 Elementary Physical Chemistry
- 3 CHEM-C 483 Biological Chemistry (P: C-341 & C 342)
- 3 CHEM-C 485 Biosynthesis & Physiology
- 3 CHEM-R 340 Survey of Organic Chemistry
- 2 CLAS-C 209 Medical Terms from Greek & Latin
- 2 CSCI-A 202 Introduction to Programming I N&M
- 2 CSCI-A 304 Introduction to C++ Programming
- 2 CSCI-C 212 Introduction to Software Systems
- 3 CSCI-C 241 Discrete Structures for Comp Science
- 4 CSCI-C 311 Programming Languages
- 4 CSCI-C 335 Computer Structures
- 4 CSCI-C 343 Data Structures
- 3 HPSC X200 Introduction to Scientific Reasoning N&M
- 3 MATH-M 301 Applied Linear Algebra and Appl
- 3 MATH-M 303 Linear Algebra for Undergraduates
- 4 MATH-M 311 Calculus III
- 3 MATH-M 312 Calculus IV
- 3 MSCI-M 131 Disease and the Human Body
- 3 MSCI-M 216 Medical Science of Psychoactive Drugs N&M
- 3 PHIL-P 105 Thinking and Reasoning A&H
- 3 PHIL-P 140 Introduction to Ethics
- 3 PHIL-P 150 Elementary Logic A&H
- 3 PHIL-P 250 Introduction to Symbolic Logic N&M
- 3 PHIL-P 251 Intermediate Symbolic Logic N&M
- 5 PHYS-P 202 General Physics 2 N&M
- 2 PHYS-P 302 Elementary Electronics
- 3 PSY-P ___ Any Psy courses other than P 101 and K 300

With advisor approval, other science courses may be counted as Exercise Science Electives.

Complete one of the following MATH courses which was not used to satisfy the Mathematical Modeling requirement in the General Education portion of this degree requirement tab sheet (3-4 cr.):

- 3 MATH-M 118 Finite Math OR AV/118 OR D116 & D117 (4 cr.) N&M
- 3 MATH-M 119 Brief Surv Calc I OR MATH-M 211 Calc 1 (4 cr.) N&M
- 3 MATH-M 120 Brief Surv Calc II OR MATH-M 212 Calc 2 (4 cr.) N&M

Complete one of the following CHEM options (5-10 cr.):

- 3 CHEM-C 117 Principles of Chemistry & Biochemistry I N&M
- 2 CHEM-C 127 Chemistry & Biochemistry Lab I N&M
  OR all of the following:
- 3 CHEM-C 101 Elementary Chemistry I N&M
- 2 CHEM-C 121 Elementary Chemistry Laboratory 1 N&M
- 3 CHEM-C 102 Elementary Chemistry 2 ** N&M
- 2 CHEM-C 122 Elementary Chemistry Laboratory 2 ** N&M

Complete one of the following computer courses (3 cr.):

- 3 BUS-K 201 The Computer in Business
- 3 CSCI-A 110 Intro to Computers & Computing N&M
- 3 SPH-K 200 Microcomputer Applications in Physical Ed
- 3 SPH-R 212 Computers in Park Recreation Tourism Mgmt.

Complete the following communications course (3 cr.):

- 3 CMCL-C 121 Public Speaking A&H (not C122)

Complete 6 credits from the following writing courses (6 cr.):

- 3 BUS-X 204 Business Communications
- 3 CMCL-C 323 Speech Composition
- 3 ENG-W 103 Introduction to Creative Writing A&H
  _ 1 ENG-W 202 English Grammar Review
  _ 3 ENG-W 203 Creative Writing (P: ENG-W 103)
  _ 3 ENG-W 231 Professional Writing Skills
  _ 3 ENG-W 240 Community Service Writing*
  _ 3 ENG-W 270 Argumentative Writing
  _ 3 ENG-W 280 Literary Editing & Publishing
  _ 3 ENG-W 350 Advanced Expository Writing
  _ 3 TEL-T 211 Writing for Electronic Media

Students must present evidence of current CPR certification to the recorder's office in SPH Room 115 at the time the student applies for graduation. The document submitted must display a date which indicates that the student is currently certified in CPR. Certification in CPR is only acceptable from the American Red Cross, the American Heart Association, or the National Safety Council. Note that an elective course choice, SPH-H 160 First Aid & Emergency Care includes CPR certification.

GENERAL EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>20-39</td>
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<tr>
<td>MAJOR</td>
<td>81-90</td>
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<tr>
<td>COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.</td>
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</tr>
</tbody>
</table>

* Generally fall only  ** Generally spring only
The suggested plan below shows how you may sequence courses to allow for completion of the degree in a four-year period. There is usually some flexibility within this plan as long as general elective course credit hours are not exceeded. Preprofessional students should see their advisor about the use of free electives. Most electives will be additional science courses. Students should meet with an advisor at least once each semester to plan their curriculum.

### Advising Plan

<table>
<thead>
<tr>
<th>—Freshman year</th>
<th>—Sophomore year</th>
<th>—Junior year</th>
<th>—Senior year</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 credit hours (or complete a total of 30 credit hours by the beginning of the third semester).</td>
<td>30 credit hours (or complete a total of 60 credit hours by the beginning of the fifth semester).</td>
<td>30 credit hours (or complete a total of 90 credit hours by the beginning of the seventh semester).</td>
<td>30 credit hours (or complete a minimum of 120 credit hours).</td>
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<tr>
<td>Complete courses listed in the right column.</td>
<td>Complete courses listed in the right column.</td>
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<tr>
<td># Preprofessional students (premedical, dental, physical therapy, physician assistant, etc) should take CHEM-C 117/127 instead of CHEM-C 101/121. Students who take CHEM-C 117/127 may need to take additional chemistry which will count in the exercise science elective area. @ See TAB sheet * A grade of C- or higher is required</td>
<td>♦ See TAB sheet. Preprofessional students usually need to take ANAT-A 215 (5 cr.) rather than SPH-K 205 (3 cr.). Students who take K 205 (3 cr.) will add additional credit hours in the fall semester. @ See TAB sheet for options.</td>
<td>@ See TAB sheet for options.</td>
<td>All students must provide evidence of current CPR certification at time of application for graduation. Some PT programs require American Heart Association Health Care Provider certification. @ See TAB sheet for options.</td>
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<td>Suggested sequencing</td>
<td>Suggested sequencing</td>
<td>Suggested sequencing</td>
<td>Suggested sequencing</td>
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<tr>
<td>CHEM prep or A&amp;H and/or WLC</td>
<td>CHEM-C 101-121@ or CHEM-C 117/127</td>
<td>ANAT-A 215 or SPH-K 205♦</td>
<td>PHYS-P 201</td>
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<tr>
<td>ENG-W 131 or W 170*</td>
<td>CMCL-C 121</td>
<td>SPH-N 231</td>
<td>SPH-K 452</td>
</tr>
<tr>
<td>MATH-M 118 or M 119</td>
<td>Exercise Science Elect@</td>
<td>A&amp;H and/or WLC (3 cr.)</td>
<td>Exercise Sci. Electives @</td>
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<tr>
<td>SPH-K 212</td>
<td>or Ex Sci Elect@</td>
<td>or Ex. Sci Electives@</td>
<td>or PT Prerequisite</td>
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<tr>
<td>SPH-K 450 (Topic: Intro to Kinesiology &amp; Public Health)</td>
<td>CHEM-C 118</td>
<td>Take CLAS-C 209 Medical Terminology. If possible, take C 209 before ANAT and PHSL</td>
<td>Add'l Free Elec. (1-3 cr.)</td>
</tr>
<tr>
<td>Many pre-PT students should take the Graduate Record Exam (GRE) or other professional school admission exam (i.e. MCAT, DAT) if planning to attend graduate school or enter a specific professional program (i.e. medical school, dental school)</td>
<td>Many pre-PT students will need additional science course work for PT school admission depending on the schools/programs to which the student applies. Extra required biology, chemistry, physics, and psychology is fairly standard. Students must research graduate PT program requirements early.</td>
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<tr>
<td>Complete courses listed in the right column.</td>
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<tr>
<td>~ Some courses in the Exercise Science Electives section are offered only fall or spring semester. See the list.</td>
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<td>Suggested sequencing</td>
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<td>PHSL-P 215</td>
<td>PHYS-P 201</td>
<td>SPH-K 409 or K 405</td>
<td>SPH-K 391</td>
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<td>STATISTICS@</td>
<td>SPH-K 452</td>
<td>Free Elective</td>
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<td>Ex. Sci. Elect. @ ~ Oral/Written Option</td>
<td>Exercise Sci. Elect.@</td>
<td>Exer Science Elect@</td>
<td>Exer Sci. Elect. (3 cr.)</td>
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<tr>
<td>Ex. Sci Elective</td>
<td>S&amp;H and/or WLC</td>
<td>Free Elective</td>
<td>Free Elective</td>
</tr>
<tr>
<td>or PT Prerequisite</td>
<td>Free Elective</td>
<td>or A&amp;H or S&amp;H and/or WLC</td>
<td>or A&amp;H or S&amp;H and/or WLC</td>
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<tr>
<td>Must have a total of 120 credit hour</td>
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</table>
Exercise Science

Description of Program

The major in exercise science has a science-based curriculum that provides a broad background for students planning to further their education at the graduate level. The program emphasizes these primary disciplines: anatomy, biomechanics, exercise physiology, sport psychology, and motor learning/control. Students complete a rigorous curriculum in major course work as well as in areas such as anatomy, chemistry, mathematics, physics, physiology, and psychology. The major provides an excellent preparation for graduate work in adapted physical education, ergonomics, biomechanics, exercise physiology, motor control, sport psychology, and sports medicine. In addition, students with this major prepare for admission to graduate programs in physical and occupational therapy, medicine, physician assistant, dentistry, podiatry, optometry, chiropractic, osteopathy, and other allied health fields.

Special Opportunities

Majors have the opportunity to work with faculty research specialists in areas specific to kinesiology. Students planning to pursue graduate kinesiology programs are encouraged to gain laboratory research experience offered by departmental faculty. Internship opportunities outside of the department in a wide variety of medical and allied health areas are coordinated by the Kinesiology Career office. Throughout the year, the very active Kinesiology Club invites speakers from a number of health profession areas to share their expertise and professional perspective with majors. Through these experiences, students learn firsthand about the graduate programs/professions of interest to them. Expert and in-depth advising services help students tailor their major program to meet their eventual goals.

Careers

Many students with this major are preparing to enter graduate programs in their career area of interest, most often a health profession, such as: physical therapist, occupational therapist, physician’s assistant, medical doctor, dentist, optometrist, or other allied health profession. Other students go on to pursue graduate degrees in exercise physiology, biomechanics, motor learning and control, and ergonomics. Others may seek positions in fitness instruction, personal training, coaching, cardiac rehabilitation, health screening and education, pharmaceutical sales, or sales and marketing of medical, fitness, or sports-related equipment. This major can be combined with a minor or professional certification to tailor the student’s background to a specific area, such as health care, coaching, fitness, or business.
### General Education (20 – 39 credits)

**English Composition** (0 to 3 credits, C- minimum required)

*Complete one of the following options:*

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

**Mathematical Modeling** (3 to 4 credits)

*Complete one of the following options:*

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Math I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics:
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

**Natural and Mathematical Sciences** (5 credits)

Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

---

### Arts and Humanities (6 credits)

Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

---

### Social and Historical Studies (6 credits)

Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

---

### World Languages and Cultures (0 to 14 credits)

*Choose one of the following three options:*

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

**OR**

Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

**OR**

Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

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### Health Fitness Specialist (KYHFSBSK)

**B.S. in Kinesiology degree (120 minimum credit hours)**

**Department of Kinesiology**

2.5 GPA required for admission, 2.0 GPA req. for graduation

No Pass/Fail except for free electives

Effective for students matriculating summer 2013

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### Major (88 – 91 credits)

#### Health Fitness Specialist Courses (67-70 credits)

*Complete one of the following 1 credit chemistry options:*

- 5 CHEM-C 101 Elementary Chemistry 1 (3 cr.) N&M
  - and CHEM-C 121 Elementary Chemistry Lab 1 (2 cr) N&M
  - OR--
  - CHEM-C 117 Principles Chem & Biochem 1 (3 cr) N&M
  - and CHEM-C 127 Chem & Biochem Lab 1 (2 cr) N&M

*Complete each of the following:*

- 3 CMCL-C 121 Public Speaking A&H (not CMCL-C 122)
- 3 SPH-B 416 Introduction of Health Counseling
- 3-5 SPH-K 205 Structural Kines or ANAT-A 215 Hum Anat N&M
- 3 SPH-K 216 Current Concepts in Physical Fitness (C min)
- 3-2 SPH-K 217 Methods of Group Exercise Instruction (3 cr)
  - or SPH-K 283 Group Fitness Practicum (2 cr.)
- 3 SPH-K 218 Methods of Personal Fitness Instruction (P: SPH-K 216 & ANAT A215 or SPH-K 205)
- 2 SPH-K 280 Basic Prevention and Care of Athletic Injuries
- 3 SPH-K 391 Biomechanics
- 2 SPH-K 395 Fitness Specialist Practicum (P: K 216, K 218)
- 3 SPH-K 405 Introduction to Sport Psychology
- 3 SPH-K 409 Basic Phsl of Exercise (P:ANAT A 215 or SPH-K 205 & PHSL-P 215)
- 3 SPH-K 416 Fitness Administration
- 3 SPH-K 417 Physical Activity and Disease (P: K 409)*
- 3 SPH-K 419 Fitness Testing & Interpretation (P: K 218 & K 409)*
- 3 SPH-K 420 Exercise Ldrshp for Spec Populatns (P: K 419)**
- 3 SPH-K 450 Topics: Intro to Kinesiology and Public Health
- 3 SPH-K 452 Motor Learning (P:ANAT A215 or SPH-K 205 & PHSL-P 215)
- 3 SPH-K 497 Internship in Exercise Sci (2.3 GPA req for eligibility)
- 3 SPH-N 231 Human Nutrition (P:CHEM-C 101 or 117) N&M
- 5 PHSL-P 215 Basic Human Physiology N&M
- 3 PSY-P 101 Introductory Psychology I OR PSY-P 155 N&M

#### Human Development Requirement (6 credits)

*Complete two of the following courses:*

- 3 SPH-B 315 Health in the later years
- 3 SPH-B 325 Health informatics and aging
- 3 SPH-B 354 Multidisciplinary Perspectives in Gerontology
- 3 SPH-B 366 Community Health
- 3 SPH-F 150 Lifespan Development S&H
- 3 SPH-H 234 Prevention of Cardiovascular Disease
- 3 SPH-H 235 Obesity and Health S&H
- 3 SPH-K 490 Motor Development and Learning*

#### Statistics Requirement (3 credits)

*Complete one of the following courses:*

- 3 PSY-K 300 Stat Techniques
  - or SPEAK-K 300 Statistical Techniques
- 3 SPH-H 381 Intro to Health Info and Statistics
- 3 SPH-R 304 Statistical Applications Leisure Studies
Computer Literacy Requirement (3 credits)
Complete one of the following courses:

- 3 CSCI-A 110 Introduction to Computers & Computing N&M
- or BUS-K 201 The Computer in Business
- or SPH-K 200 Microcomputer Applications in Phys Ed
- or SPH-R 212 Computers in Park Recreation Tour Mgmt.

Communications Requirement (3 credits)
Complete one of the following courses:

- 3 CMCL-C122 Interpersonal Communication S&H
- or BUS-C 204 Business Communications
- or ENG-W103 Introduction to Creative Writing A&H
- or ENG-W 143 Interdisciplinary Writing
- or ENG-W 203 Creative Writing (P: W103)
- or ENG-W 231 Professional Writing Skill
- or ENG-W 240 Community Service Writing*
- or ENG-W 270 Argumentative Writing
- or ENG-W 280 Literary Editing & Publishing
- or ENG-W 350 Advanced Expository Writing
- or TEL – T 211 Writing for Electronic Media

Health Fitness Specialist Electives (6 credits)
Complete 6 credits from the health fitness specialist elective courses listed below. When choosing electives, please consult with your advisor about:

1) your professional goals.
2) possible completion of a minor.

- 3 SPH-H 160 First Aid and Emergency Care
- 3 SPH-H 180 Stress Prevention and Management
- 3 SPH-H 305 Women's Health
- 3 SPH-H 306 Men's Health
- 3 SPH-H 315 Consumer Health
- 3 SPH-H 318 Drug Use in American Society
- 3 SPH-H 320 The Nature of Cancer
- 3 SPH-H 351 Complementary & Altern. Approaches to Health*
- 3 SPH-H 401 Emer Medic Tech Ambulans I (P: SPH-H 160)
- 1 SPH-H 404 Emergency Medical Technician Lab
- 3 SPH-K 212 Introduction to Exercise Science
- 3 SPH-K 217 Methods of Group Exercise Instruction
- 2 SPH-K 283 Group Fitness Practicum
- 1 SPH-K 301 Job Strategies for Kinesiology Students
- 2 SPH-K 316 Theories of Advanced Conditioning
- 2 SPH-K 317 Theory and Practice of Resistance Training
- 3 SPH-K 412 Exercise in Health and Disease (P: P409)**
- 3 SPH-K 421 Field Assessment of Physical Activity and Hlth
- 3 SPH-K 488 Adaptation for Indivi. with Physical Disabilities
- 1-3 SPH-K 496 Lab or Field Exp in Kines (recommended)
- 3 SPH-R 142 Living Well S&H

Present evidence of current CPR certification to the recorder’s office in SPH Room 115 at the time you apply for graduation. The document submitted must display a date which indicates that the student is currently certified in CPR. Certification in CPR is only acceptable from the American Red Cross, the American Heart Association, or the National Safety Council.

* Generally fall only
** Generally spring only

GENERAL EDUCATION

20-39

MAJOR

88-91

COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.

The health fitness specialist major is offered to prepare students to work in the fitness industry. The core course work is designed to follow the knowledge, skills and abilities (KSA’s) of the American College of Sports Medicine (ACSM) Health Fitness Specialist (HFS) Certification. Students may sit for various other fitness certifications.

Some Minor options:

Public Health Minors:
Visit the SPH website at:
http://www.SPH.indiana.edu/degrees/index.shtml

Business Minor/certificate: Visit the Kelley website at:
http://www.indiana.edu/~bulletin/iub/kelley-2012-2013/index.shtml

SPEA Minor/certificate: Visit the SPEA website at:
http://www.indiana.edu/~spea/

Psychology Minor:
Visit the Psychology website at:
http://psych.indiana.edu/undergrad/degrees/minor.asp

Medical Sciences Minor:
Visit the Medical Sciences website at:
http://bloomington.medicine.iu.edu/undergraduate-education/medical-sciences-minor/
The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. Planning for correct sequencing of course work is extremely important in this major. Students should meet with an advisor at least once each semester to plan their curriculum. Use this plan in conjunction with the Health Fitness Specialist TAB sheet. Students may be able to complete one or two minors if combined with course work under ‘fitness electives.’

### Advising Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>Credit Hours Required</th>
<th>Courses Required</th>
<th>Suggested Sequencing</th>
</tr>
</thead>
<tbody>
<tr>
<td>—Freshman year</td>
<td>30</td>
<td>Complete courses listed in the right column.</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*** A minimum grade of C- is required</td>
<td>SPH-K 205**</td>
</tr>
<tr>
<td></td>
<td></td>
<td># Preprofessional students (premedical, dental, physical therapy, physician assistant, etc) take CHEM-C 117/127 instead of CHEM-C101/121 &amp; ANAT A215 instead of SPH-K 205.</td>
<td>or ANAT-A 215</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*CHEM C 101 or 117 is a prereq for N 231</td>
<td>SPH-K 205</td>
</tr>
<tr>
<td></td>
<td></td>
<td>**SPH-K 205 or ANAT-A 215 is a prereq for SPH-K 409</td>
<td>SPH-K 280</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ See TAB sheet</td>
<td>Arts &amp; Humanities</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Free Elective (1-2 cr.)</td>
</tr>
<tr>
<td>—Sophomore year</td>
<td>30</td>
<td>Complete courses listed in the right column.</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*PHSL P-215 is a prerequisite for K 409</td>
<td>PSY-P101</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Computer Option@</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Social/Historical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Statistics Option@</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>World Lang &amp; Cult</td>
</tr>
<tr>
<td>—Junior year</td>
<td>30</td>
<td>Complete courses listed in the right column.</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ See TAB sheet or bulletin for options.</td>
<td>SPH-K 391</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fitness Elective@</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Social/Historical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>World Lang &amp; Cult</td>
</tr>
<tr>
<td>—Senior year</td>
<td>30</td>
<td>Complete courses listed in the right column.</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ See TAB sheet or bulletin for options.</td>
<td>SPH-K 405</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Human Develop</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Free Elective (1-3 cr.)</td>
</tr>
</tbody>
</table>

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**Notes:**
- **Fall only**
- **Spring only**

### Course Requirements

- **CHEM-C 101/-121**
- **CMCL-C 121**
- **ENG-W 131 or W 170**
- **SPH-K 205**
- **SPH-K 280**
- **SPH-K 450**
- **Arts & Humanities**
- **Mathematical Modeling**

### Additional Information

- Students should plan to take several fitness certification exams: the American College of Sport Medicine—Health Fitness Instructor and/or Exercise Specialist, ACE Group Exercise, ACE Personal Trainer, etc.
Health Fitness Specialist

Description of Program

The undergraduate degree program focuses on the practical preparation of a fitness and wellness professional that is qualified to seek certification through the American College of Sports Medicine (ACSM) and to work in a variety of health and fitness venues. The curriculum is based on guidelines and standards developed by the ACSM. Students receive a comprehensive theoretical background and practical experience in the areas of fitness assessment, exercise prescription and leadership, resistance training movement analysis, nutrition concepts, and behavior change, to name a few.

Special Opportunities

The IU Health Fitness Specialist Program has the distinction of being endorsed by the ACSM (in May 2004) as having fulfilled the educational requirements established by the Committee on Certification and Registry Boards. This means that the current curriculum covers the knowledge, skills, and abilities expected of an ACSM Health and Fitness Instructor. This certification can only be taken by those individuals with a four-year degree in an allied health field.

In addition, students are required to complete a 200-hour internship and encouraged to complete a 50-hour practicum during their matriculation. Students are given numerous opportunities to demonstrate their skills by working at the Briscoe Fitness and Wellness Center located on campus and managed by the Fitness Specialist Program.

All students are encouraged to sit for the ACE, NSCA, or ACSM personal training certification within their junior or senior years. Many students are actively involved both on campus and in the community as fitness consultants, instructors, and personal trainers gaining invaluable experience working directly with individuals.

Careers

Fitness professionals plan, lead, instruct, and motivate clients during fitness activities. They may work with clients individually or in groups. Fitness specialists are trained to work with clients across a wide age range in a variety of settings, such as: commercial fitness centers, corporate fitness facilities, hospitals, retirement communities, universities, private studios, resorts, and community centers. There are many exciting, rewarding, and challenging careers in the health/fitness industry. These include positions such as personal trainers, group exercise instructors, exercise leaders, club managers, fitness directors, fitness sales professionals, program directors, post-rehab fitness specialists, strength and conditioning specialists, and geriatric or pediatric fitness specialists.

Sport Communication - Broadcast  
B.S. in Kinesiology degree (120 credit hours)  
KYSCBBS  
Department of Kinesiology  
2.5 GPA required for admission. 2.0 GPA required for graduation.  
Effective for students matriculating summer 2013

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)  
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)  
Complete one of the following options:
- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)  
Complete one of the following options:
- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)  
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)  
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)  
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)  
Choose one of the following three options:

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.  
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.  
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (82 credits)  
Required Core (36 credits)  
Complete each of the following courses:
- 3 SPH-C 213 Introduction to Sport Communication
- 3 SPH-C 251 Sport and Electronic Media
- 3 SPH-C 329 Issues in Sport Communication
- 3 SPH-C 497 Internship in Sport Communication
- 3 SPH-K 450 Topic: Introduction to Kinesiology & Public Health
- 3 SPH-M 304 Sport Industry Studies^  
- 3 SPH-M 333 Sport in America: Historical Perspective
- 3 SPH-M 382 (Formerly HPER-P 392) Sport in America Society **
- 3 SPH-M 411 Legal Issues in Sport Settings
- 3 SPH-M 415 Sport Public Relations
- 3 SPH-M 418 Sport Marketing (P: M300)
- 3 SPH-M 426 Sport Sales (P: P318)

SCB Electives (9 credits)  
Complete 9 credits from the following classes:
- 3 SPH-K 405 Introduction to Sport Psychology
- 3 SPH-M 304 Sport Industry Studies^  
- 3 SPH-M 328 Issues in Intercollegiate Athletics
- 3 SPH-M 404 Colloquium in Sport Management^  
- 3 SPH-M 423 Financial Principles in Sport

^ P304 and P404 can be taken multiple times for credit with different class numbers.

Oral and Written Communication (6 credits)  
Complete 6 credits from the following classes:
- 3 BUS-C 104 Business Presentations
- 3 BUS-C 204 Business Communication
- 3 CMCL-C 121 Public Speaking A&H
- 3 CMCL-C 122 Interpersonal Communication S&H
- 3 ENG-W 203 Creative Writing
- 3 ENG-W 270 Argumentative Writing
- 3 ENG-W 280 Literary Editing & Publishing
- 3 INFO-I 202 Social Informatics
- 3 THTR-T 120 Acting I: Fundamentals of Acting

Telecommunications Core (12 credits)  
Complete each of the following courses:
- 3 TEL-T 101 Media Life S&H
- 3 TEL-T 205 Introduction to Media and Society S&H
- 3 TEL-T 206 Introduction to Design and Production
- 3 TEL-T 207 Introduction to Telecom Industry and Management

Telecommunications Electives (9 credits)  
Choose nine additional Telecommunications credits, with at least six of the nine credits at the 300/400 level.

(Continued on back)
Journalism Core (10 credits)

- 3 JOUR-J 110 Foundations of Journalism & Mass Comm
- 1 JOUR-J 155 Research Techniques for Journalists
- 3 JOUR-J 200 Reporting, Writing, & Editing I
- 3 JOUR-J 210 Visual Communication

* Generally fall only   ** Generally spring only

General Education: 20-39

Major: 82

COMPLETE A MINIMUM OF 120 CREDITS FOR THIS DEGREE.

Sport Communication - Broadcast

Visit: http://www.publichealth.indiana.edu/program-areas/sport-communication/index.shtml

Description of Program

The Sport Communication Program reflects the widening opportunities that exist in this field. An increasing amount of sport-related activity is occurring in television, radio, Internet, and print communication. The sport communication emphasis is an interdisciplinary program that provides a strong background in sport with either a broadcast or print specialization.

With the cooperation of the Department of Telecommunications and the School of Journalism, the Department of Kinesiology offers undergraduate programs in sport communication—broadcast and print, leading to the Bachelor of Science in Kinesiology degree. The sport communication-broadcast emphasis concentrates on courses in telecommunications media, such as television, radio, and other electronic communications technologies. Additionally, both specialization areas offer instruction in new media technology, such as blogging, podcasting, and on-line communications.

The kinesiology curriculum provides the student with an understanding of the science of human movement and the interrelationship among the historical, sociological, and psychological elements of sport. Combining the kinesiology curriculum with the print or broadcast specialization provides a more thorough background than is possible if the areas are studied separately.

Special Opportunities

Direct experience in the area of sport communication is an important component of this undergraduate major. Through practica, internships, and/or field experiences, students have the opportunity to work and train in a variety of sport and communication related fields. Examples of local, nearby internship opportunities include the Colts, Indiana Pacers and Fever, the Indianapolis Motor Speedway, the Natatorium, AAA baseball at Victory Field, the NCAA Headquarters, and four sport National Governing Bodies.

Specialized advising is provided to assist students with degree planning that allows them to tailor their degree to meet long-term goals. Students are required to meet with an academic advisor at least twice a year.

Career resources are provided through the expertise of a career specialist to assist students in career planning, resume and cover letter preparation, and skill development for the interview process. In addition the Career Center contains a variety of up-to-date and highly accessible resources designed to facilitate long-range decision making and future employment considerations.

Careers

Students completing the Bachelor of Science in Kinesiology with a specialization in Sport Communication will be prepared for entry-level positions in radio, television, athletic or sports information, sports journalism, public and/or community relations, and promotions.

Students may also find employment with semiprofessional and professional sports teams in the area of media relations. Graduates are likely to be knowledgeable in a variety of sport communication applications and suited to diverse employment opportunities.
The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. There is usually some flexibility within this plan as long as free elective course credit hours are not exceeded. Students should meet with an advisor at least once each semester to plan their curriculum. Students complete the telecommunications minor.

### Advising Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>Suggested sequencing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman year</strong></td>
<td>Complete courses listed in the right column. Students awarded special credit in foreign language or another area may alter the suggested plan. See an advisor. Students must have an overall grade point average of 2.5 and must have completed 26 or more credit hours to be admitted to the program.</td>
</tr>
<tr>
<td>30 credit hours (or complete a total of 30 credit hours by the beginning of the third semester).</td>
<td>Suggested sequencing: ENW-131 or W-170* CMCL-C 121 or C 122 JOUR-J 110 SPH-C 213 SPH-C 251 Arts &amp; Humanities @ Mathematical Modeling</td>
</tr>
<tr>
<td><strong>Sophomore year</strong></td>
<td>Complete courses listed in the right column. Students should be admitted to the SPH by mid-sophomore year and will see the program director, Professor Gwen Hamm, for advisement.</td>
</tr>
<tr>
<td>30 credit hours (or complete a total of 60 credit hours by the beginning of the fifth semester).</td>
<td>Suggested sequencing: JOUR-J 200 JOUR-J 155 SPH-M 304/404 JOUR-J 210 SPH-M 333 TEL-T 205 Natural/Math @ Arts &amp; Humanities @ Social/Historical @</td>
</tr>
<tr>
<td>University Division declared majors will automatically enter the School of Public Health—Department of Kinesiology upon completion of 26 credit hours with a cumulative grade point average of 2.5 (usually the end of the freshman year).</td>
<td></td>
</tr>
<tr>
<td><strong>Junior year</strong></td>
<td>Complete courses listed in the right column. # Restricted to admitted sport marketing and management and sport communication majors.</td>
</tr>
<tr>
<td>30 credit hours (or complete a total of 90 credit hours by the beginning of the seventh semester).</td>
<td>Suggested sequencing: SPH-C 329 SPH-C 415 # SPH-M 382 SPH-M 404/404 SPH-M 411@ or R441 TEL-300-400 level @ TEL-M 207 Natural/Math @ World Lang/Cult @ Kines. Req. Elect. @ Free Elective (1-2)</td>
</tr>
<tr>
<td><strong>Senior year</strong></td>
<td>Complete courses listed in the right column. # Restricted to admitted sport marketing and management and sport communication majors. Students complete 24 credit hours of course work in telecommunications. Any additional telecom course work would count toward arts humanities requirements.</td>
</tr>
<tr>
<td>30 credit hours (or complete a minimum of 120 credit hours).</td>
<td>Suggested sequencing: SPH-C 497 SPH-M 411# or R441 SPH-M 418 TEL Req. 3-400 level @ Kines. Req. Elect. @ TEL Req. 3-400 level @ Social/Historical @ Free Elective (2-3) Free Elective (2-3)</td>
</tr>
<tr>
<td>Students are strongly encouraged to complete an internship (SPH-C 438 counts as 3 credit hours in the Kinesiology Required Elective category).</td>
<td>Must have a total of 120 credit hours</td>
</tr>
</tbody>
</table>
Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

**General Education (20 – 39 credits)**

*(General Education Bulletin at: www.indiana.edu/~bulletin/iub)*

**English Composition** (0 to 3 credits, C- minimum required)

Complete one of the following options:

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

**Mathematical Modeling** (3 to 4 credits)

Complete one of the following options:

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics:
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

**Natural and Mathematical Sciences** (5 credits)

Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

**Arts and Humanities** (6 credits)

Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

**Social and Historical Studies** (6 credits)

Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

**World Languages and Cultures** (0 to 14 credits)

*Choose one of the following three options:*

- Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

*OR*

- Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

*OR*

- Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

**Major (82 credits)**

**Required Core** (36 credits)

Complete each of the following courses:

- 3 SPH-C 213 Introduction to Sport Communication
- 3 SPH-C 251 Sport and Electronic Media
- 3 SPH-C 329 Issues in Sport Communication
- 3 SPH-C 497 Internship in Sport Communication
- 3 SPH-K 450 Topic: Introduction to Kinesiology & Public Health
- 3 SPH-M 304 Sport Industry Studies^a
- 3 SPH-M 333 Sport in America: Historical Perspective
- 3 SPH-M 382 (Formerly SPH-P 392) Sport in American Society **
- 3 SPH-M 411 Legal Issues in Sport Settings
- 3 SPH-M 415 Sport Public Relations
- 3 SPH-M 418 Sport Marketing (P: M300)
- 3 SPH-M 426 Sport Sales (P: P318)

**SCB Electives** (9 credits)

Complete 9 credits from the following classes:

- 3 SPH-K 405 Introduction to Sport Psychology
- 3 SPH-M 304 Sport Industry Studies^a
- 3 SPH-M 328 Issues in Intercollegiate Athletics
- 3 SPH-M 404 Colloquium in Sport Management^a
- 3 SPH-M 423 Financial Principles in Sport

^ P304 and P404 can be taken multiple times for credit with different class numbers.

**Oral and Written Communication** (6 credits)

Complete 6 credits from the following classes:

- 3 BUS-C 104 Business Presentations
- 3 BUS-C 204 Business Communication
- 3 CMCL-C 121 Public Speaking A&H
- 3 CMCL-C 122 Interpersonal Communication S&H
- 3 ENG-W 203 Creative Writing
- 3 ENG-W 270 Argumentative Writing
- 3 ENG-W 280 Literary Editing & Publishing
- 3 INFO-I 202 Social Informatics
- 3 THTR-T 120 Acting I: Fundamentals of Acting

**Journalism Core** (16 credits)

Complete each of the following courses:

- 3 JOUR-J 110 Foundations of Journalism & Mass Comm
- 1 JOUR-J 155 Research Techniques for Journalists
- 3 JOUR-J 200 Reporting, Writing, & Editing I
- 3 JOUR-J 210 Visual Communication
- 3 JOUR-J 300 Communications Law
- 3 JOUR-J 410 Media as Social Institutions

Requirements continued on next page.
Sport Communication - Print

Visit: http://www.publichealth.indiana.edu/program-areas/sport-communication/index.shtml

Description of Program

The Sport Communication Program reflects the widening opportunities that exist in this field. An increasing amount of sport related activity is occurring in television, radio, Internet, and print communication. The sport communication emphasis is an interdisciplinary program that provides a strong background in sport with either a broadcast or print specialization.

With the cooperation of the Department of Telecommunications and the School of Journalism, the Department of Kinesiology offers undergraduate programs in sport communication—broadcast and print, leading to the Bachelor of Science in Kinesiology degree. The sport communication-broadcast emphasis concentrates on courses in telecommunications media, such as television, radio, and other electronic communications technologies. Additionally, both specialization areas offer instruction in new media technology, such as blogging, podcasting, and on-line communications.

Special Opportunities

Direct experience in the area of sport communication is an important component of this undergraduate major. Through practica, internships, and/or field experiences, students have the opportunity to work and train in a variety of sport and communication related fields. Examples of local, nearby internship opportunities include the Colts, Indiana Pacers and Fever, the Indianapolis Motor Speedway, the Natatorium, AAA baseball at Victory Field, the NCAA Headquarters, and four sport National Governing Bodies

Specialized advising is provided to assist students with degree planning that allows them to tailor their degree to meet long-term goals. Students are required to meet with an academic advisor at least twice a year.

Career resources are provided through the expertise of a career specialist to assist students in career planning, resume, and cover letter preparation, and skill development for the interview process. In addition the Career Center contains a variety of up-to-date and highly accessible resources designed to facilitate long-range decision making and future employment considerations.

Careers

Students completing the Bachelor of Science in Kinesiology with a specialization in sport communication are prepared for entry-level positions in radio, television, athletic or sports information, sports journalism, public and/or community relations, and promotions. Students may also find employment with semiprofessional and professional sports teams in the area of media relations. Graduates are knowledgeable in a variety of sport communication applications and suited to diverse employment opportunities.
The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. There is usually some flexibility within this plan as long as free elective course credit hours are not exceeded. Sport Communication – Print majors must also gain admission to the School of Journalism in order to complete the Certificate in Journalism. Students should meet with an advisor at least once each semester to plan their curriculum.

### Advising Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Suggested sequencing:</th>
</tr>
</thead>
</table>
| Freshman  | 30 credit hours (or complete a total of 30 credit hours by the beginning of the third semester).                                                                                                        | ENG-W 131 or W 170*  
JOUR-J 110  
SPH-C 213  
Arts & Humanities @  
Mathematical Modeling  
* A grade of C- or higher is required to qualify for the Certificate in Journalism |
| Sophomore | 30 credit hours (or complete a total of 60 credit hours by the beginning of the fifth semester).                                                                                                          | JOUR-J 155  
JOUR-J 200  
SPH-M 304/404  
SPH-M 333  
TEL-T205  
Arts & Humanities @  
* See TAB sheet or bulletin for options.  
~ Fall only  
^ Spring only |
| Junior    | 30 credit hours (or complete a total of 90 credit hours by the beginning of the seventh semester).                                                                                                       | JOUR-J 300  
SPH-C 329  
SPH-M 411  
SPH-M 426  
Kines. Req. Elect @  
Social/Historical @  
Arts & Humanities @  
^ Spring only |
| Senior    | 30 credit hours (or complete a minimum of 120 credit hours).                                                                                                                                          | SPH-C 497  
SPH-M 415  
JOUR Elective @  
Social/Historical @  
Free Elective (2-3)  
Must have a total of 120 credit hours |

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### Notes

- Students awarded special credit in foreign language or another area may alter the suggested plan. See an advisor.
- To be admitted to the program, students must have an overall grade point average of 2.5 and must have completed 26 or more credit hours. No application is required.
- It is strongly recommended that students consider completing an internship (counts as 3 credit hours in the Kinesiology Required Elective category).
- Students may qualify to receive the Certificate in Journalism.
Sport Marketing & Management
B.S. in Kinesiology degree (120 credit hours) (KYSMMBS)
Department of Kinesiology
Application required for admission. 2.0 GPA required for graduation.
Effective for students matriculating summer 2013

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:

- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:

- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

- __________________________

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

- __________________________

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

- __________________________

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

- __________________________

Major (78 credits)

Complete each of the following courses (36 credits):

- 3 SPH-K 450 Topic: Introduction to Kinesiology & Public Health
- 3 SPH-M 211 * Introduction to Sport Management *
- 3 SPH-M 318 Managing the Sport Enterprise
- 3 SPH-M 333 Sport in America: Historical Perspective
- 3 SPH-M 382 ** (Formerly: HPER-P 392) Sport in Amer Society
- 3 SPH-M 411 Legal Issues in Sport Settings
- 3 SPH-M 415 Sport Public Relations
- 3 SPH-M 418 Sport Marketing (P: M300)
- 3 SPH-M 423 Sport Finance (P: P318)
- 3 SPH-M 426 Sport Sales (P: P318)
- 3 SPH-M 428 Strategic Mgmt in the Sport Industry (P: P318)
- 3 SPH-M 495 (Formerly: HPER-P 439) Practicum in Sport Studies
- or SPH-M 497 (Formerly: HPER-P 449) Internship in S M & M

Complete 12 credits from the following courses (12 cr.):

- 3 SPH-K 405 Introduction to Sport Psychology
- 3 SPH-M 304 * Sport Industry Studies
- 3 SPH-M 328 Issues in Intercollegiate Athletics
- 3 SPH-M 404 * Colloquium in Sport Management
- 3 SPH-M 425 Sport Governance in the Global Marketplace

* P304 and P404 can be taken multiple times for credit with different class numbers.

Complete 2 of the following Oral & Written Communication courses (6 cr.):

- 3 BUS-C 104 Business Presentations
- 3 BUS-C 204 Business Communication
- 3 CMCL-C 121 Public Speaking
- 3 CMCL-C 122 Interpersonal Communication
- 3 ENG-W 203 Creative Writing
- 3 ENG-W 270 Argumentative Writing
- 3 ENG-W 280 Literary Editing & Publishing
- 3 INFO-I 202 Social Informatics

Complete each of the following Business courses (12 cr.):

- 3 BUS-A201 * Intro to Financial Account (P: A100)
- or BUS-A 202* Intro to Managerial Account (P: A100)
- 3 BUS-K 201 Computers in Business
- 3 BUS-L 201 * Legal Environment Bus S&H (P: soph standing)
- 3 ECON-E 201 * Introduction to Microeconomics S&H
- or ECON-E 202 * Introduction to Macroeconomics S&H

Complete 12 credits from the following Business courses (12 cr.):

- 3 BUS-F 300 Introduction to Financial Management
- 3 BUS-G 300 Introduction to Managerial Economics
- 3 BUS-M 300 Introduction to Marketing
- 3 BUS-P 300 Introduction to Operation Management
- 3 BUS-Z 302 Mgmt & Behavior in Organizations
- or BUS-J 306 Strategic Management in Leadership

* Generally fall only ** Generally spring only
Sport Marketing and Management

Visit: http://www.publichealth.indiana.edu/program-areas/sport-marketing-management-undergrad/index.shtml

Description of Program

The IU Sport Marketing and Management Program, which began in 1985, is recognized as one of the top programs of its kind in the United States. Students from across the country seek to gain admission to this competitive program. The major uses an interdisciplinary approach that includes foundation courses in both sport and business. In addition to completing a broad core of professional sport courses (in law, marketing, management, psychology, and finance), students complete a minimum of 24 credit hours of course work from the Kelley School of Business, completing the minor and/or the Business Foundations Certificate. Students gain strong preparation and skills in marketing, media relations, event planning/management, public relations, computers, and business organizational structures.

Special Opportunities

Majors are required to complete a practicum or internship experience and most often complete several varied experiences prior to graduation. The Hoosier Sports Business Organization (HSBO) plays an active role in locating internships and employment opportunities for its members. The Kinesiology Career Services Office provides expert career advisement and services for students. Indiana provides many local opportunities for majors looking for internship study. Indianapolis is home to the Colts in Lucas Oil Stadium, the Pacers and Fever at Conseco Fieldhouse, motorsports at the Indianapolis Motor Speedway, swimming and diving at the Natatorium, the Indianapolis Indians at Victory Field, the NCAA Headquarters, as well as four sport National Governing Bodies.

Careers

Employment opportunities are directed to the fields of professional sports, amateur sports, and intercollegiate sports, including facility operations, corporate sport marketing/public relations, media relations, and event marketing and management. In addition, students are prepared for careers in sports equipment sales and other positions that require good communication, marketing, and management skills. Many students seek immediate admission to graduate programs in law or sports administration.
The suggested plan below shows how you might sequence courses to allow for completion of the degree in a four-year period. There is usually some flexibility within this plan as long as free elective course credit hours are not exceeded. General electives can be 1-15 credit hours depending on the number of practicum/internship credit hours completed. Most students choose to complete a business minor. With careful planning, the SM&M major may be completed in four years with a business minor. Students in the School of Public Health MUST meet with an advisor at least once each semester to plan their curriculum. Use this plan in conjunction with the SPH TAB sheet.

<table>
<thead>
<tr>
<th>Advising Plan</th>
<th>Suggested sequencing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>—Freshman year</td>
<td>Complete courses listed in the right column. Students awarded special credit in foreign language or another area may alter the suggested plan.</td>
</tr>
<tr>
<td>30-31 credit hours (or complete a total of 30-31 credit hours by the beginning of the third semester).</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td>BUS-A 100 is a prerequisite for BUS-A 201 and A 202 on the IUB and IUPUI campuses. Students who transfer both accounting courses from another school are not required to take A 100.</td>
<td>Suggested sequencing:</td>
</tr>
<tr>
<td>Complete courses listed in the right column. Students awarded special credit in foreign language or another area may alter the suggested plan.</td>
<td>BUS-A 100 (1 cr.)</td>
</tr>
<tr>
<td>♦ Admission prerequisite. Can take ECON-E 202 in place of ECON-E 201.</td>
<td>ECON-E 201 S&amp;H</td>
</tr>
<tr>
<td>□ A minimum grade of C- is required.</td>
<td>Arts/Humanities/</td>
</tr>
<tr>
<td>- See TAB sheet or bulletin.</td>
<td>Natural/Math/</td>
</tr>
<tr>
<td>♦ Admission prerequisite.</td>
<td>Oral/Written Req/</td>
</tr>
<tr>
<td>☆ BUS K 201— full C grade or better for business minor.</td>
<td>Free Elective</td>
</tr>
<tr>
<td>@ See TAB sheet or bulletin.</td>
<td>S&amp;H or WLC/</td>
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<tr>
<td>* Fall only ** Spring only</td>
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</tr>
<tr>
<td>—Sophomore year</td>
<td>Complete courses listed in the right column. Apply for admission by</td>
</tr>
<tr>
<td>30 credit hours (or complete a total of 60-61 credit hours by the beginning of the fifth semester).</td>
<td>December 1 of the sophomore year for spring admission.</td>
</tr>
<tr>
<td>The ‘ideal’ application time is mid-sophomore year. Students delaying application until the junior year may risk not completing the degree in eight semesters.</td>
<td>♦ Admission prerequisite (A 201 or A 202 and E 201 or E 202 may be used).</td>
</tr>
<tr>
<td>Complete courses listed in the right column. Apply for admission by</td>
<td>♦ Admission prerequisite.</td>
</tr>
<tr>
<td>December 1 of the sophomore year for spring admission.</td>
<td>BUS K 201— full C grade or better for business minor.</td>
</tr>
<tr>
<td>♦ Admission prerequisite.</td>
<td>@ See TAB sheet or bulletin.</td>
</tr>
<tr>
<td>☆ BUS K 201— full C grade or better for business minor.</td>
<td>* Fall only ** Spring only</td>
</tr>
<tr>
<td>@ See TAB sheet or bulletin.</td>
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<tr>
<td>—Junior year</td>
<td>Complete courses listed in the right column.</td>
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<tr>
<td>30 credit hours (or complete a total of 90-91 credit hours by the beginning of the seventh semester).</td>
<td># Restricted to admitted sport marketing and management majors and minors.</td>
</tr>
<tr>
<td>Most majors can complete one or more business minor.</td>
<td>@ See TAB sheet or bulletin.</td>
</tr>
<tr>
<td>Complete courses listed in the right column.</td>
<td></td>
</tr>
<tr>
<td># Restricted to admitted sport marketing and management majors and minors.</td>
<td></td>
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<tr>
<td>@ See TAB sheet or bulletin.</td>
<td></td>
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<tr>
<td>—Senior year</td>
<td>Complete courses listed in the right column.</td>
</tr>
<tr>
<td>30 credit hours (or complete a minimum of 120 credit hours).</td>
<td># Restricted to admitted sport marketing and management majors and minors.</td>
</tr>
<tr>
<td>% Students may choose to complete the practicum or internship during the summer (junior or senior year). See your advisor for qualifications. Since completion of this requirement includes meeting with the internship coordinator following the experience, credit may be placed in the following fall semester.</td>
<td>@ See TAB sheet or bulletin. Most students complete remaining business minor requirements. Other BUS minors could be added.</td>
</tr>
<tr>
<td>Complete courses listed in the right column.</td>
<td>% Complete 3 credit hours of practicum/internship credit. CGPA requirement and approval required.</td>
</tr>
<tr>
<td># Restricted to admitted sport marketing and management majors and minors.</td>
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</tr>
<tr>
<td>@ See TAB sheet or bulletin. Most students complete remaining business minor requirements. Other BUS minors could be added.</td>
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</tr>
<tr>
<td>% Complete 3 credit hours of practicum/internship credit. CGPA requirement and approval required.</td>
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</tr>
<tr>
<td>Must have a total of 120 credits</td>
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</tbody>
</table>
Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

### General Education (20 – 39 credits)

**English Composition** (0 to 3 credits, C- minimum required)
Complete one of the following options:
- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

**Mathematical Modeling** (3 to 4 credits)
Complete one of the following options:
- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite and Consumer Mathematics:
  - 3 MATH-V 118 Finite Math for Social and Biological Sciences

**Natural and Mathematical Sciences** (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

**Arts and Humanities** (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

**Social and Historical Studies** (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

**World Languages and Cultures** (0 to 14 credits)
Choose one of the following three options:
- Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.
- OR
- Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.
- OR
- Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

### Major (90 credits)

**Kinesiology Courses** (49 cr., 2.5 min GPA req in Kines courses)
- 2 SPH-K 140 Foundations of Phys Ed (C minimum) (K: K 141)
- 3 SPH-K 141 Fndmnts of Humn Mvmt (C minimum) (K: K 140)
- 3 SPH-K 200 Microcomputer Applicat in Kines (C minimum)
- 3 SPH-K 205 Structural Kinesiology
- 3 SPH-K 216 Currnt Conpts of Physcl Fitnss (C minimum)
- 1 SPH-K 219 Teaching Stunts and Tumbling (C minimum)
- 2 SPH-K 224 Teaching Dance Activities (C minimum)
- 2 SPH-K 280 Basic Prevention and Care of Athletic Injuries
- 2 SPH-K 283 Group Fitness Practicum
- 3 SPH-K 391 Biomechanics (P: A 215 or K 205)
- 3 SPH-K 398 Adapted Physical Education (C minimum)
- 3 SPH-K 409 Basic Physiology of Exercise (P: ANAT-A215 or SPH-K 205 AND PHSL-P 215)
- 3 SPH-K 450 Topics: Intro to Kines & Public Health
- 3 SPH-K 490 Motor Development & Learning* (C minimum)

Students must be admitted to the PETE program to enroll in the following eight courses. A minimum grade of C is required in each course.

- 1 SPH-K 203 Teaching Practice in Phys Educ (C: K 214)*
- 3 SPH-K 214 Basic Methods Teaching PE (C: K 203)*
- 0 SPH-K 303 Phys Ed Lab/Field Experience (C: K 314)**
- 1 SPH-K 313 Tools of Learning (P: K 214)**
- 3 SPH-K 314 Intermed Methods in Teaching PE(C: K 303)**
- 2 SPH-K 323 Teach Indiv Dual Actvts (P:admitted to TEP)**
- 2 SPH-K 325 Teaching Team Activities (p:admitted to TEP)*
- 1 SPH-K 414 Professnl Seminar in PE (C: M 425 & M 480)

**Professional Education Courses** (33 credits, C minimum required in each course, 2.5 min GPA required in professional education courses)
- 3 EDUC-H 340 Education and American Culture
- 2 EDUC-M 201 Lab–Field Experience (C: P 254, S/F)
- 3 EDUC-M 300 Teaching in Pluralistic Society
- 3 EDUC-P 254 Educational Psychology All-Grade

Students must pass PRAXIS I and be admitted to the teacher education program to take the following five courses:

- 0 EDUC-M 403 Lab–Field Experience (C: M456, S/F)*
- 3 EDUC-M 456 Methods of Teaching Phys Educ (C: M 456)*
- 3 EDUC-M 464 Methods Teaching Reading
- 8 EDUC-M 425 Student Teaching: Elementary (C: K 414, S/F)
- 8 EDUC-M 480 Student Teaching: Secondary (C: K 414, S/F)

**Additional Required Courses** (8 credits)
Complete the following courses:
- 3 CMCL-C 121 Public Speaking A&H (C minimum)
- 5 PHSL-P215 Basic Human Physiology N&M

**CPR certification required prior to graduation**

* Generally fall only  ** Generally spring only
Teacher Preparation – All Grade PE

Description of Program
The Physical Education Teacher Education (PETE) Program prepares students to be successful teachers of physical education. Through their training in this program, graduates make a valuable contribution by promoting healthy lifestyles and vigorous physical activity through school-based physical education programs.

Special Opportunities
At the department level students may participate in the Kinesiology Club. Students are also encouraged to join the Indiana Association for Health, Physical Education, Recreation, and Dance (IASPHD). Through this professional organization as well as the Department of Kinesiology, students may compete for scholarships and professional recognition.

Careers
Graduates with this degree are prepared to become teachers in school-based (grades K-12) physical education programs and coaches in interscholastic sport programs.
Application Checklist

Step 1 - Apply to the PETE Program

Minimum requirements for consideration of admission to the Department of Kinesiology PETE program:

1. Completion of 26 credit hours of college course work that counts toward graduation with a minimum overall GPA of 2.5 at the time of application.
2. Successful completion of the following two prerequisite courses with a full "C" or higher in each course:
   - SPH-K 140 Foundations of Physical Education (2 cr.)
   - SPH-K 141 Fundamentals of Human Movement (3 cr.)
3. Submission of three letters of recommendation ON LETTERHEAD STATIONARY from former teachers, coaches, or/and supervisors. These should speak of your leadership abilities and potential as a teacher. Letter should be sent directly to the SPH Records office in a sealed envelope or, handed in by the applicant with the envelope signed across the seal by the recommender. We will not accept letters of recommendation sent by fax.
5. Submission of an application by one of the required deadlines:
   - March 1 for fall admission
This application includes all of the aforementioned materials/requirements and must be submitted by the stated deadline. Incomplete submissions will not be considered. Transfer students must apply for admission into the PETE program. Application forms may be picked up and delivered or mailed to:
   School of Public Health Records Office
   SPH Room 115
   RE: PETE application
   Indiana University
   Bloomington, Indiana 47405
Alternatively, students may apply online.

6. Result: Each application will be reviewed individually by the PETE faculty. Students will be selected for a formal interview based on the merits of their application. Following the interview, each applicant will be reviewed again by the PETE faculty. Students will be selected to the PETE program based on the quality of their academic performance, interview skills and commitment to Physical Education.
7. Following an official letter of acceptance to the PETE program, students must attend a mandatory PETE Orientation meeting. Failure to attend this program will cause the offer to be withdrawn.

Step 2- Apply to the Teacher Education Program (School of Education)

Students must apply for admission to the Teacher Education Program through the School of Education.

Required for admission to the School of Education teacher education program:

1. Passing the paper based or computer based test (PPST): scoring at least 175 in mathematics, 176 in reading, and 172 in writing.
2. A minimum overall cumulative GPA of 2.5 or higher (overall, major, minor and in professional education).
3. Minimum grade of C or higher in these courses:
   - EDUC-P254 – Educational Psychology All-Grade (3cr.)
   - EDUC-M201 – Lab-Field Experience (C:P254) (2cr.)
   - EDUC-M300 – Teaching in a Plural Society (3cr.)
   - SPH-K200 – Microcomputer Applications in Kinesiology (3cr.)
   - ENG-W131 – Elementary composition (3cr.)
   - CMCL-C121 – Public speaking (3cr.)
4. Criminal Check Requirement. You may be required to provide a criminal history check to school districts before participating in field placements and/or student assignments based on a misdemeanor or felony conviction. The application process for a teaching license in Indiana requires a current criminal history check. Convicted felons will not be granted a teaching license.

You can apply for admission to the School of Education Teacher Education Program online.

For More Information

For more information on the undergraduate physical education teacher education (PETE) program, please contact: Dr. Keith Chapin, Indiana University, Department of Kinesiology, SPH 179, Bloomington, IN 47405, Phone: (812) 855-1379, E-mail: gchapin@indiana.edu. If you would like to receive information on any of the Department of Kinesiology’s other undergraduate level major areas or other degrees, please call (812) 855-5523.
### Advising Plan

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Freshman year</strong></td>
<td><strong>Complete courses listed in the right column.</strong></td>
<td><strong>Suggested sequencing:</strong></td>
</tr>
<tr>
<td>Complete a total of 31 credit hours by the beginning of the third semester.</td>
<td>Apply by March 1 of the spring semester of the freshman year for fall admission of the sophomore year to the PETE program. Students who are not admitted at the end of the freshman year will not be able to finish the degree in four years.</td>
<td>CMCL-C 121 SPH-K 200* ♦</td>
</tr>
<tr>
<td>Students must have a 2.5 cumulative grade point average to qualify for admission to the PETE program.</td>
<td>♦ Must be completed during the freshman year prior to PETE admission</td>
<td>ENG-W 131 or W 170♦ SPH-K 205*</td>
</tr>
<tr>
<td>Students who wish to complete the Health Education cognate area must complete an additional 30 credit hours. The 6 credit hours of physical education electives may be used toward the 30 credit hours.</td>
<td>▲ PETE Admission prerequisite</td>
<td>SPH-K 140*▲ ♦ SPH-K 216*</td>
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<td>* A minimum grade of C is required.</td>
<td>SPH-K 141*▲ ♦ SPH-K 280*</td>
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<td>SPH-K 450 Kins &amp; Pub Hlth Social &amp; Historical Mathematical Modeling</td>
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<td></td>
<td>17 credit hours 14 credit hours</td>
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<td>Note: Beginning Fall 2006 and later, many SPH ‘K’ courses and all professional education courses must be completed with a full C grade.</td>
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<tr>
<td><strong>Sophomore year</strong></td>
<td><strong>Complete courses listed in the right column.</strong></td>
<td><strong>Suggested sequencing:</strong></td>
</tr>
<tr>
<td>29 credit hours (or complete a total of 60 credit hours by the beginning of the fifth semester).</td>
<td>Apply October 1 or March 1 for admission to the Teacher Education Program (TEP) in the School of Education. Students must have and maintain an overall grade point average of 2.5.</td>
<td>EDUC-M 201 EDUC-M 300* ♦</td>
</tr>
<tr>
<td>♦ Take and pass the PRAXIS I by the end of the summer after the freshman year to allow for admission to the TEP in the sophomore year. Qualifying scores: Computer-- preferred (or paper-based test): Math 175, Reading 176, Writing 172.</td>
<td>@ See TAB sheet or bulletin for options</td>
<td>EDUC-P 254* ♦ SPH-K 224*</td>
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<td>♦ Must be completed prior to TEP admission.</td>
<td>PHSL-P 215 N/M SPH-K 303♦</td>
</tr>
<tr>
<td></td>
<td>* A minimum grade of C is required.</td>
<td>SPH-K 203♦ SPH-K 314♦</td>
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<td></td>
<td>~ Fall only</td>
<td>SPH-K 214♦ SPH-K 409*</td>
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<td></td>
<td>~ Spring only</td>
<td>SPH-K 219♦ World Cultures</td>
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<td></td>
<td></td>
<td>15 credit hours 14 credit hours</td>
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<tr>
<td><strong>Junior year</strong></td>
<td><strong>Complete courses listed in the right column.</strong></td>
<td><strong>Suggested sequencing:</strong></td>
</tr>
<tr>
<td>29 credit hours (or complete a total of 89 credit hours by the beginning of the seventh semester).</td>
<td>* A minimum grade of C or higher required. @ See TAB sheet or bulletin for options.</td>
<td>EDUC-M 464 EDUC-H 340</td>
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<td></td>
<td>~ Fall only</td>
<td>SPH-K 325♦ SPH-K 283</td>
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<td>~ Spring only</td>
<td>SPH-K 490♦ SPH-K 313♦</td>
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<td>Arts &amp; Humanities SPH-K 323♦</td>
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<td>Fitness Elective SPH-K 391</td>
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<tr>
<td></td>
<td></td>
<td>World Cultures</td>
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<td></td>
<td></td>
<td>14 credit hours 15 credit hours</td>
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<tr>
<td><strong>Senior year</strong></td>
<td><strong>Complete courses listed in the right column.</strong></td>
<td><strong>Suggested sequencing:</strong></td>
</tr>
<tr>
<td>31 credit hours (or complete a minimum of 120 total credit hours of specified course work to graduate).</td>
<td>Must maintain a 2.5 overall GPA, a 2.5 GPA in major course work, and a 2.5 GPA in education course work to qualify to graduate.</td>
<td>SPH-K 398 16 weeks of student teaching</td>
</tr>
<tr>
<td>Student teaching will be a full semester experience and will be a total of 16 credit hours. SPH-K 414 will be 1 credit hour to total 17 credit hours for the student teaching semester.</td>
<td>* A minimum grade of C or higher required. @ See TAB sheet or bulletin for options.</td>
<td>EDUC-M 403 (0 cr.)~ EDUC-M 425 (8 cr.)</td>
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<td>~ Fall only</td>
<td>EDUC-M 456~ EDUC-M 480 (8 cr.)</td>
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<td>~ Spring only</td>
<td>Social &amp; Historical SPH-K 414* (1 cr.)</td>
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<td>Free Elective Free Elective</td>
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<td>14 credit hours 17 credit hours</td>
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<td></td>
<td><strong>Must have a total of 120 credit hours</strong></td>
</tr>
</tbody>
</table>
Bachelor of Science in Recreation
Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

## General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
</table>
| English Composition | (0 to 3 credits, C- minimum required) | Complete one of the following options:
  | 3 | CMLT-C 110 Writing the World |
  | 3 | ENG-W 131 Elementary Composition |
  | 3 | ENG-W 170 Projects in Reading and Writing |
  | 0 | ENG-W 131 EX Elementary Composition Exemption |
| Mathematical Modeling | (3 to 4 credits) | Complete one of the following options:
  | 4 | MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II |
  | 3 | MATH-J 113 Introduction to Calculus with Applications |
  | 3 | MATH-M 118 Finite Mathematics |
  | 3 | MATH-M 119 Brief Survey of Calculus I |
  | 4 | MATH-M 211 Calculus I |
  | 4 | MATH-M 213 Accelerated Calculus |
  | 3 | MATH-S 118 Honors Finite Mathematics |
  | 3 | MATH-V 118 Finite and Consumer Mathematics: |
  | 3 | MATH-V 118 Finite Math for Social and Biological Sciences |
| Natural and Mathematical Sciences | (5 credits) | Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).
| Arts and Humanities | (6 credits) | Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.
| Social and Historical Studies | (6 credits) | Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.
| World Languages and Cultures | (0 to 14 credits) | Choose one of the following three options:
  | | Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin. OR Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language. OR Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin. |

## Major (74 credits)

### Outdoor Recreation, Parks, and Human Ecology (30 credits)
- 3 ENG-W 231 Professional Writing (P: English Composition)
- 3 SPH-O 210 (Formerly: HPER-R 210) Intro Outdr Rec, Parks, & Human Ecol
- 3 SPH-O 244 (Formerly: HPER-R 280) Natural History and Field Ecology
- 3 SPH-O 279 (Formerly: HPER-R 279) Adventure Educ (P majors: R210) OR SPH-O 430 (Formerly: HPER-R 413) Outdoor Adventure Program (CORE) (P for majors: O210)
- 3 SPH-O 310 (Formerly: HPER-R 323) Ecosystem Mgmt (P: junior standing; P for majors: O 210)
- 3 SPH-O 313 (Formerly: HPER-R 385) Wilderness and Protected Lands
- 3 SPH-O 340 (Formerly: HPER-R 372) Interpretation and Tourguiding (P: junior standing; P for majors: O 210)
- 3 SPH-O 410 (Formerly: HPER-R 406) Human Health & Natural Environments (P: sr. standing)
- 3 SPH-O 412 (Formerly: HPER-R 429) Ecotourism: Admin & Mgt (P: sr. standing)
- 3 SPH-O 413 (Formerly: HPER-R 475) Applications in Outdoor Rec, Parks, & Human Ecology (P: senior standing)

### Required Core Courses (33 credits)
- 3 SPH-R 110 (Formerly: HPER-R 160) Foundation of Leisure & PH S&H
- 3 SPH-R 142 (Formerly: HPER-T 142) Living Well S&H
- 3 SPH-R 210 (Formerly: HPER-R 270) Inclusion in Rec, Park & Tourism
- 3 SPH-R 311 (Formerly: HPER-R 330) Mgmt in Rec, Parks, & Tourism
- 3 SPH-R 312 (Formerly: HPER-R 392) Career Persp & Internship Prep
- 3 SPH-R 314 (Formerly: HPER-R 395) Data-Based Decis-Making Mthsds
- 12 SPH-R 497 (Formerly: HPER-R 463) Professional Internship
- 3 SPH-T 410 (Formerly: HPER-R 430) Event Planning & Progrm Developmnt
- 320 Hrs Field Experience—Date Completed / / 

### Professional Electives (Select 11 credits.)
- 2 SPH-O 318 (Formerly: HPER- R 355) Outdoor Recreation Consortium
- 3 SPH-O 322 (Formerly: HPER- R 345) Therapeutic Outdr Instruct Techniques
- 3 SPH-O 324 (Formerly: HPER-R 380) Outdr Exp. Ed.: Instr Techqs (CORE)
- 3 SPH-O 331 (Formerly: HPER-R 370) Wilderness First Responder
- 3 SPH-O 341 (Formerly: HPER-R 356) Field Techqs in Environmntl Ed (TOP)
- 3 SPH-O 342 (Formerly: HPER-R 357) Applied Ecology: Water Communities
- 3 SPH-O 355 (Formerly: HPER-R 322) Scientific Diver Certification
- 3 SPH-O 420 (Formerly: HPER-R 412) Prin of Therapeutic Outdr Prgrms (TOP)
- 3 SPH-O 430 (Formerly: HPER-R 413) Outdoor Adventure Prog.: Foundations/Theories (CORE)
- 3 SPH-R 223 (Formerly: HPER- R 283) Recreation-Based GIS
- 3 SPH-R 395 (Formerly: HPER- R 398) Practicum in Rec, Park, & Tourism St.
- 3 SPH-R 412 (Formerly: HPER- R 422) Marketing for Leisure Services
- 3 SPH-R 413 (Formerly: HPER-R 451) Fiscal Mgmt of Leisure Service Orgs
- 3 SPH-R 414 (Formerly: HPER-R 441) Legal Aspects of Recreation
- 3 SPH-R 425 (Formerly: HPER-R 468) Strategic Planning for Recreation Orgs
- 3 SPH-R 450 (Formerly: HPER-R 424) Shipwreck Parks as Underwr Museums
- 3 SPH-R 498 (Formerly: HPER-R 421) Investigation of Underwater Resources
- 3 SPH-T 301 (Formerly: HPER-R 350) Sustainable Tourism
- 2 SPH-W 305 (Formerly: HPER-O 305) Intro to Wilderness Leadership
At least 120 credits are required for graduation.

**GENERAL EDUCATION**
- 20-39

**MAJOR**
- 74

**FREE ELECTIVES**
- 7-26

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### Suggested Course Sequence Map
**Outdoor Recreation, Parks, and Human Ecology**

<table>
<thead>
<tr>
<th></th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total: 30 cr</strong></td>
<td><strong>SPH-R 110 Foundations of Leisure &amp; PH (3)</strong> <strong>S&amp;H</strong> Arts &amp; Humanities (3)</td>
<td><strong>SPH-R 142 Living Well (3)</strong> <strong>S&amp;H</strong> Arts &amp; Humanities (3)</td>
</tr>
<tr>
<td></td>
<td><strong>English Composition. (3)</strong></td>
<td><strong>Natural &amp; Math. Sciences (3)</strong></td>
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<tr>
<td></td>
<td><strong>Mathematical Modeling (3)</strong></td>
<td><strong>World Languages/Cultures (3)</strong></td>
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<tr>
<td></td>
<td><strong>Natural &amp; Math. Sciences (3)</strong></td>
<td><strong>Electives (3)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>SPH-O 210, Intro to Outdoor Rec, Parks, &amp; Human Ecology (3) (fall only)</strong></td>
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<td></td>
<td><strong>SPH-O 244, Natural History &amp; Field Ecology (3) (fall only)</strong></td>
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<td></td>
<td><strong>SPH-R 210 Inclusion in RPT (3)</strong></td>
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<td><strong>ORPHE Professional Electives (3)</strong></td>
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<td></td>
<td><strong>Electives (3)</strong></td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td><strong>Total: 30 cr</strong></td>
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<tr>
<td></td>
<td><strong>SPH-O 310, Ecosystem Mgmt (3)</strong> (P: O 210, junior standing) (fall only)</td>
<td><strong>SPH-O 313, Wilderness &amp; Protected Lands (3) (spring only)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>SPH-R 311 Management of RPT (3)</strong></td>
<td><strong>SPH-O 413, Applications in ORPHE (3) (P: senior standing) (spring only)</strong></td>
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<tr>
<td></td>
<td>**SPH-R 314 Data Based Decision Making/Eval (3) (P: math modeling course)</td>
<td><strong>SPH-R 312 Career Persp &amp; Internship Prep (3) (P: R110)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>SPH-O 340 Interpretation &amp; Tour Guiding(3) (P: O 210, junior standing) (fall only)</strong></td>
<td><strong>SPH-T 410 Event Plan &amp; Program Dev (3) (P: junior standing)</strong></td>
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<tr>
<td></td>
<td><strong>ORPHE Professional Electives (3)</strong></td>
<td><strong>ORPHE Professional Electives (2-3)</strong></td>
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<tr>
<td></td>
<td><strong>Electives (1)</strong></td>
<td><strong>Electives (2)</strong></td>
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<tr>
<td><strong>Third Year</strong></td>
<td></td>
<td></td>
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<tr>
<td>**Total: 32-33 cr</td>
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<tr>
<td></td>
<td><strong>SPH-O 410, Human Health &amp; Natural Environments (3) (P: senior standing) (fall only)</strong></td>
<td><strong>SPH-O 497 Internship (12) (P: R 110, R 312 at least two semesters prior to the internship semester, T 410)</strong></td>
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<tr>
<td></td>
<td><strong>SPH-O 412, Ecotourism (3) (P: senior standing) (fall only)</strong></td>
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<td></td>
<td><strong>Electives (9-10)</strong></td>
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<tr>
<td></td>
<td><strong>NOTE: 320 hours field experience also required.</strong></td>
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</tr>
</tbody>
</table>

### NOTES:

1. A student needs to average 15 credit hours per semester to graduate in 8 semesters (120 credit hours).
2. Many students reduce their academic-year credits by taking classes in summer. However, it is difficult to get equivalent credit for major course work at other campuses or colleges. A few RPTS courses, usually required core classes, are offered each summer at IUB, usually in the early part (1st 4- or 1st 6-weeks).
3. Unless otherwise noted, courses may be taken either semester.
4. Prior to registering for the professional internship (R497), students must document 320 Hours of practical experience in the leisure industry, for approval by their major’s faculty coordinator. Deadlines for approval of the 320 Hours requirement:
   - For a fall internship: 1 July
   - For a spring internship: 1 November
   - For a summer internship: 1 April
5. The internship (R497) may be taken any term following completion of the required prerequisite courses (R110, R312, and T410). Students commonly complete it during the summer, often following the fourth year. Students completing degree requirements in summer may participate in the May commencement ceremony.

Outdoor Recreation, Parks, and Human Ecology

Students focus on outdoor recreation resources and activities, as they are experienced in parks and affect human ecology. The curriculum emphasizes basic concepts of outdoor resources and sustainability, the relationships and interactions of people and outdoor resources and how to manage them, and skills and knowledge to pursue specific careers in this field. Domains include environmental education, interpretive techniques, outdoor adventure education, nature study, recreation resource management, organized camping, and the relation between human health and natural environments.

A number of skill certificates are also available to students through various academic courses. For example, only at Indiana University may students learn via such living laboratories as C.O.R.E. (Conservation & Outdoor Recreation Education), Therapeutic Outdoor Programs (TOP), Great Lakes Park Training Institute, and Bradford Woods Outdoor Center.

Career possibilities include:

- National and state parks and forests, which provide opportunities within park naturalist, outdoor education coordinator, and outdoor resource manager positions
- Commercial settings, with such positions as outdoor instructor, group facilitator, camp program planner, and outdoor program developer
- Military recreation, which supports 250,000 full-time employees with 10,000,000 users at 900 U.S. and 350 overseas locations. Positions as outdoor programmers are available on all types of military bases - Air Force, Army, Navy, and Marine.
- Municipal parks and recreation departments, which offer numerous positions in outdoor education, outdoor resource management, outdoor instruction, and camping
- Non-profit outdoor organizations, which offer careers as an outdoor group facilitator, camp program planner and director, adventure leader, and outdoor education coordinator

In fall 2000, Newsweek predicted that 50 percent of American jobs will be in leisure and tourism by 2050. The Occupational Outlook Handbook refers to the job outlook in recreation as above average.
**General Education (20 – 39 credits)**

**English Composition (0 to 3 credits, C-minimum required)**

Complete one of the following options:
- 3 CMLT-C 110 Writing the World
- 3 ENG-W 131 Elementary Composition
- 3 ENG-W 170 Projects in Reading and Writing
- 0 ENG-W 131 EX Elementary Composition Exemption

**Mathematical Modeling (3 to 4 credits)**

Complete one of the following options:
- 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
- 3 MATH-J 113 Introduction to Calculus with Applications
- 3 MATH-M 118 Finite Mathematics
- 3 MATH-M 119 Brief Survey of Calculus I
- 4 MATH-M 211 Calculus I
- 4 MATH-M 213 Accelerated Calculus
- 3 MATH-S 118 Honors Finite Mathematics
- 3 MATH-V 118 Finite Consumer Mathematics
- 3 MATH-V 118 Finite Math for Social and Biological Sciences

**Natural and Mathematical Sciences (5 credits)**

Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

---

**Arts and Humanities (6 credits)**

Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

---

**Social and Historical Studies (6 credits)**

Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

---

**World Languages and Cultures (0 to 14 credits)**

**Choose one of the following three options:**

Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

OR

Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.

OR

Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

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**Major (72 credits)**

**Public, Nonprofit, and Community Recreation (30 credits)**

- 3 CMCL-C 121 Public Speaking (C-minimum) A&H OR
- 3 CMCL-C 122 Interpersonal Communication (C-minimum) S&H
- 3 SPEA-V 362 Nonprofit Management & Leadership
- 3 SPH-R 101 (Formerly: HPER-T 101) Intro to Resource Dvlpmnt & Fndrsng*
- 3 SPH-R 220 (Formerly: HPER-R 205) Found. of Public, Nonprofit, & Community Rec.
- 3 SPH-R 221 (Formerly: HPER-R 266) Recreation Facilities Management
- 3 SPH-R 412 (Formerly: HPER-R 422) Mktg for Leisure Services (P: jr stdng)
- 3 SPH-R 413 (Formerly: HPER-R 451) Fiscal Mgmt of Leisure Service Orgs.
- 3 SPH-R 414 (Formerly: HPER-R 441) Legal Aspects of Recreation +
- 3 SPH-R 425 (Formerly: HPER-R 468) Stratc Png for Rec Orgs (P: sr stdng)
- 3 SPH-R 201 (Formerly: HPER-R 236) Tourism & Commercial Recreation

**Required Core Courses (33 credits)**

- 3 SPH-R 110 (Formerly: HPER-R 160) Foundation of Leisure & PH S&H
- 3 SPH-R 142 (Formerly: HPER-T 142) Living Well S&H
- 3 SPH-R 210 (Formerly: HPER-R 270) Inclusion in Rec, Park & Tourism
- 3 SPH-R 311 (Formerly: HPER-R 330) Mgmt in Rec, Parks, & Tourism
- 3 SPH-R 312 (Formerly: HPER-R 392) Career Persp & Internship Prep
- 3 SPH-R 314 (Formerly: HPER-R 395) Data-Based Decisn-Mknng Mths
- 12 SPH-R 497 (Formerly: HPER-R 463) Professional Internship
- 3 SPH-T 410 (Formerly: HPER-R 430) Event Planning & Progrm Developmnt
- 30 Hrs Field Experience--Date Completed

**Professional Electives (Select 9 credits.)**

- 3 ANTH-A 403 Introduction to Museum Studies
- 3 SPH-F 150 (Formerly: HPER-F 150) Intro to Life Span Development S&H
- 3 SPH-O 279 (Formerly: HPER-O 279) Outdoor Adventure Education
- 3 SPH-O 313 (Formerly: HPER-O 385) Wilderness and Protected Lands
- 3 SPH-O 430 (Formerly: HPER-O 413) Outdr Adventure Ed: Found/Theories**
- 2 SPH-R 201 (Formerly: HPER-T 201) Annual Giving*
- 2 SPH-R 202 (Formerly: HPER-T 202) Major Gifts*
- 3 SPH-R 223 (Formerly: HPER-R 283) Recreation-Based GIS System
- 3 SPH-R 230 (Formerly: HPER-R 206) Recreational Sports Programming
- 2 SPH-R 301 (Formerly: HPER-T 301) Capital Campaigns*
- 3 SPH-R 315 (Formerly: HPER-R 310) Leaderhstrt Straugs & Diversity Apptcnsls**
- 3 SPH-R 322 (Formerly: HPER-R 302) Aquatic Management+
- 3 SPH-R 335 (Formerly: HPER-R 354) Sport and Violence
- 3 SPH-R 426 (Formerly: HPER-R 471) Human Rsrc Mgmt in Leisure Servcs
- 3 SPH-R 431 (Formerly: HPER-R 472) Youth Sport Management
- 3 SPH-R 450 (Formerly: HPER-R 424) Shipwreck Prrs as Undrwrer Museums
- 3 SPH-T 301 (Formerly: HPER-R 350) Sustainable Tourism
- 3 SPH-T 323 (Formerly: HPER-R 353) Festival & Event Management

**Suggested Electives (not required, but highlighted options)**

+Aquatics Minor, *Fundraising Minor, **Leadership Minor

SPEA minor in Nonprofit Management

SPEA certificate in Arts Administration
At least 120 credits are required for graduation.

**GENERAL EDUCATION** 20-39

**MAJOR** 72

**FREE ELECTIVES** 9-28

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### Suggested Course Sequence Map

#### Public, Nonprofit, and Community Recreation

<table>
<thead>
<tr>
<th>Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Total: 30 cr</td>
<td>SPH-R 110 Foundations of Leisure &amp; PH (3)&lt;br&gt;Arts &amp; Humanities (3)&lt;br&gt;English Composition (3)&lt;br&gt;Mathematical Modeling (3)&lt;br&gt;Natural &amp; Math. Sciences (3)</td>
<td>CMCL-C121 (A&amp;H) or CMCL-C 122 (S&amp;H) (3)&lt;br&gt;SPH-R142 Living Well (3)&lt;br&gt;Natural &amp; Math. Sciences (3)&lt;br&gt;World Languages/Cultures (3)&lt;br&gt;Electives/Arts &amp; Humanities (if C122 taken instead of C121) (3)</td>
</tr>
<tr>
<td><strong>Second Year</strong>&lt;br&gt;Total: 30 cr</td>
<td>SPH-R 101, Resource Development/Fundraising (3)&lt;br&gt;SPH-R 210 Inclusion in RPT (3)&lt;br&gt;SPH-R 220, Foundations of Public, Nonprofit, and Community Rec (3) (fall only)&lt;br&gt;SPH-R 221 Recreation Facilities Mgmt (3) (fall only)&lt;br&gt;Electives (3)</td>
<td>SPH-T 201, Tourism and Commercial Rec (3)&lt;br&gt;PNC Professional Electives (3)&lt;br&gt;World Languages/Cultures (3)&lt;br&gt;Electives (6)</td>
</tr>
<tr>
<td><strong>Third Year</strong>&lt;br&gt;Total: 32-33 cr</td>
<td>SPH-R 311 Management of RPT (3)&lt;br&gt;SPH-R 314 Data Based Decision Making/Eval (3)&lt;br&gt;(P: math modeling course)&lt;br&gt;SPH-R 414, Legal Aspects of Rec (3)&lt;br&gt;PNC Professional Electives (3)&lt;br&gt;Electives (3)</td>
<td>SPEA-V 362, Nonprofit Mgmt &amp; Leadership (3)&lt;br&gt;SPH-R 312 Career Persp &amp; Prep for Internship (3) (P: R110)&lt;br&gt;SPH-R 412, Marketing for Leisure Srvcs (3) (P: junior standing)&lt;br&gt;SPH-T 410 Event Plan &amp; Program Dev (3) (P: junior standing)&lt;br&gt;PNC Professional Electives (3)&lt;br&gt;Electives (2-3)</td>
</tr>
<tr>
<td><strong>Fourth Year</strong>&lt;br&gt;Total: 27-28 cr</td>
<td>SPH-R 413 Fiscal Management (3)&lt;br&gt;SPH-R 425, Strategic Planning (3) (senior standing)&lt;br&gt;Electives (9-10)</td>
<td>SPH-R 497 Internship (12) (P: R 110, R 312 at least two semesters prior to the internship semester, T 410)</td>
</tr>
</tbody>
</table>

**NOTE**: 320 hours field experience also required.

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**NOTES:**

1. A student needs to average 15 credit hours per semester to graduate in 8 semesters (120 credit hours).
2. Many students reduce their academic-year credits by taking classes in summer. However, it is difficult to get equivalent credit for major course work at other campuses or colleges. A few RPTS courses, usually required core classes, are offered each summer at IUB, usually in the early part (1st 4- or 1st 6-weeks).
3. Unless otherwise noted, courses may be taken either semester.
4. Prior to registering for the professional internship (R497), students must document 320 Hours of practical experience in the leisure industry, for approval by their major’s faculty coordinator. Deadlines for approval of the 320 Hours requirement:
   - For a fall internship: 1 July
   - For a spring internship: 1 November
   - For a summer internship: 1 April
5. The internship (R497) may be taken any term following completion of the required prerequisite courses (R110, R312, and T410). Students commonly complete it during the summer, often following the fourth year. Students completing degree requirements in summer may participate in the May commencement ceremony.

Public, Nonprofit, and Community Recreation

This major is for students who think that leisure is a basic right for all individuals in a society, those who wish to make a difference in the quality of life in a community. Students acquire professional recreation management skills that can be applied in a wide variety of leisure settings, recreation facilities, and public programs around the world. Through class practica, projects, internship opportunities, service-learning, and field experiences, students can learn both tangible and intangible traits and skills that employers are looking for, including leadership, management, programming, marketing and evaluation, legal aspects of park and recreation management, and communication skills.

Career possibilities include:

- Municipal Parks and Recreation departments, which offer numerous positions in age-based, culturally competent, community-level programming, as well as, small and large scale special event planning for holidays, parades, health fairs, and festivals.
- National and state parks, providing opportunities for recreation professionals interested in public-funded special event programming, aquatics, youth and senior services, and physical activity promotion.
- Museums: Through public-funded cultural and historical institutions, professionals in this specialization can lead the programmatic side of museum activities such as children’s or family-day events.
- Boys & Girls Clubs of America & YMCA’s/YWCA’s: At the over 5,000 BGCA & Y’s in the United States there are approximately 6,000 job opportunities in positions such as youth services and program directors.
- Commercial settings, which offer thousands of positions in theme parks, health/fitness spas, racquet clubs, and other private recreation areas.
- Military recreation, supporting 250,000 full-time employees with 10,000,000 users at 900 locations within the United States and 350 overseas locations. Positions as programmers are available on all types of military bases - Air Force, Army, Navy and Marine to provide a healthy balance between military duty and family living.

In fall 2000, Newsweek predicted that 50 percent of American jobs will be in leisure and tourism by 2050. The Occupational Outlook Handbook refers to the job outlook in recreation as above average.
Recreational Sport Management
B.S. in Recreation degree (120 minimum credit hours)
2.0 GPA required for admission. 2.0 GPA required for graduation.
Effective for students matriculating summer 2013
PH 133 – (812) 855-4711 (RSPMBSR)

Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:
   ___ 3 CMLT-C 110 Writing the World
   ___ 3 ENG-W 131 Elementary Composition
   ___ 3 ENG-W 170 Projects in Reading and Writing
   ___ 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:
   ___ 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
   ___ 3 MATH-J 113 Introduction to Calculus with Applications
   ___ 3 MATH-M 118 Finite Mathematics
   ___ 3 MATH-M 119 Brief Survey of Calculus I
   ___ 4 MATH-M 211 Calculus I
   ___ 4 MATH-M 213 Accelerated Calculus
   ___ 3 MATH-S 118 Honors Finite Mathematics
   ___ 3 MATH-V 118 Finite and Consumer Mathematics:
   ___ 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.

Required Core Courses (33 credits)

Professional Electives (Select 15 credits.)

At least 120 credits are required for graduation.
GENERAL EDUCATION 20-39
MAJOR 78
FREE ELECTIVES 3-22
## Suggested Course Sequence Map
### Recreational Sport Management

<table>
<thead>
<tr>
<th>Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong>&lt;br&gt;Total: 30 cr</td>
<td>SPH-R 110 Foundations of Leisure &amp; PH (3) <strong>S&amp;H</strong>&lt;br&gt;Arts &amp; Humanities (3)&lt;br&gt;English Composition (3)&lt;br&gt;Mathematical Modeling (3)&lt;br&gt;Natural &amp; Math. Sciences (3)</td>
<td>SPH-R142 Living Well (3) <strong>S&amp;H</strong>&lt;br&gt;Arts &amp; Humanities (3)&lt;br&gt;Natural &amp; Math. Sciences (3)&lt;br&gt;World Languages/Cultures (3)&lt;br&gt;Electives (3)</td>
</tr>
<tr>
<td><strong>Second Year</strong>&lt;br&gt;Total: 30 cr</td>
<td>SPH-K 216 Concepts/Apps in Physical Fitness (3)&lt;br&gt;SPH-R 210 Inclusion in RPT (3)&lt;br&gt;SPH-R 221 Recreation Facilities Mgmt (3) <strong>fall only</strong>&lt;br&gt;SPH-R 230 Recreational Sport Programming (3) <strong>fall only</strong>&lt;br&gt;RSM Professional Electives (3)</td>
<td>SPH-N 220 Nutrition for Health (3)&lt;br&gt;SPH-R 212 Computers in PRST (3) <strong>spring only</strong>&lt;br&gt;RSM Professional Electives (3)&lt;br&gt;World Languages/Cultures (3)&lt;br&gt;Electives (3)</td>
</tr>
<tr>
<td><strong>Third Year</strong>&lt;br&gt;Total: 33 cr</td>
<td>SPH-R 311 Management of RPT (3)&lt;br&gt;SPH-R 314 Data Based Decision Making/Eval (3)&lt;br&gt;(P: math modeling course)&lt;br&gt;SPH-R 434 Legal Issues in Sport Settings (3)&lt;br&gt;RSM Professional Electives (3)&lt;br&gt;Electives (3-5)</td>
<td>SPH-R 312 Career Persp &amp; Prep for Internship (3)&lt;br&gt;SPH-R 412 Marketing for Leisure Srvcs (3) <strong>P: junior standing</strong>&lt;br&gt;SPH-R 431 Youth Sport Mgmt (3) <strong>spring only</strong>&lt;br&gt;SPH-T 410 Event Plan &amp; Program Dev (3) <strong>P: junior standing</strong>&lt;br&gt;RSM Professional Electives (3)&lt;br&gt;Electives (0-2)</td>
</tr>
<tr>
<td><strong>Fourth Year</strong>&lt;br&gt;Total: 27 cr</td>
<td>SPH-R 413 Fiscal Mgmt (3)&lt;br&gt;SPH-R 426 Human Resource Mgmt. (3)&lt;br&gt;RSM Professional Electives (3)&lt;br&gt;Electives (6)</td>
<td>SPH-R 497 Internship (12) <strong>P: R 110, R 312 at least two semesters prior to the internship semester, T 410</strong></td>
</tr>
</tbody>
</table>

**NOTE:** 320 hours field experience also required.

### NOTES:
1. A student needs to average 15 credit hours per semester to graduate in 8 semesters (120 credit hours).
2. Many students reduce their academic-year credits by taking classes in summer. However, it is difficult to get equivalent credit for major course work at other campuses or colleges. A few RPTS courses, usually required core classes, are offered each summer at IUB, usually in the early part (1st 4- or 1st 6-weeks).
3. Unless otherwise noted, courses may be taken either semester.
4. Prior to registering for the professional internship (R497), students must document 320 Hours of practical experience in the leisure industry, for approval by their major’s faculty coordinator. Deadlines for approval of the 320 Hours requirement:
   - For a fall internship: 1 July
   - For a spring internship: 1 November
   - For a summer internship: 1 April
5. The internship (R497) may be taken any term following completion of the required prerequisite courses (R110, R312, and T410). Students commonly complete it during the summer, often following the fourth year. Students completing degree requirements in summer may participate in the May commencement ceremony.

Recreational Sport Management

This major prepares students to assume leadership positions in all types of participatory sports programs, focusing on the management of people and resources in recreational sports while also providing students with a skill set to work in a variety of settings in the sport continuum. Through class practica, projects, internship opportunities, and field experiences, students learn leadership, management, programming, marketing, and evaluation, legal aspects of sport, and communication skills.

Career possibilities include:

- Amateur Athletics with AAU and state games across the country
- Business/industrial sports providing opportunities for a sport programmer in employee recreational sports. There are over 150,000 job opportunities available in approximately 50,000 corporations and industries which spend more than $3 billion a year on recreation for their employees
- The collegiate setting, which offers career opportunities in informal sports, instructional sports, intramural sports, club sports and fitness programming on college and university campuses across the country
- Commercial sports, with positions in such settings as theme parks, health/fitness spas, racquet clubs, and hotels
- Military recreation, with positions worldwide for sport programmers and sport directors in intramural, extramural, informal and club sports are available on all types of military bases--Air Force, Army, Navy and Marine
- Municipal parks and recreation departments, which offer positions in sports programming as many of their recreational offerings are sports related.
- Resort/tourism settings, which offer specialized opportunities in sports to include facility management, programming and operation
- Non-profit agencies, including YMCA's/YWCA's and Boys' and Girls' Clubs, with recreational sport related job opportunities in positions such as sports coordinators and program director

In fall 2000, Newsweek predicted that 50 percent of American jobs will be in leisure and tourism by 2050. The Occupational Outlook Handbook refers to the job outlook in recreation as above average.
Students must complete all General Education requirements and all Major requirements. Any acceptable General Education course which is also required in the major may apply to (double-count in) both required areas. Courses common to the areas of World Cultures, Arts and Humanities, and Social and Historical Studies may also double count. However, credit for such courses counts only once toward the total required credits for a degree.

**General Education (20 – 39 credits)**

(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

<table>
<thead>
<tr>
<th>English Composition (0 to 3 credits, C- minimum required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete one of the following options:</td>
</tr>
<tr>
<td>___ 3 CMLT-C 110 Writing the World</td>
</tr>
<tr>
<td>___ 3 ENG-W 131 Elementary Composition</td>
</tr>
<tr>
<td>___ 3 ENG-W 170 Projects in Reading and Writing</td>
</tr>
<tr>
<td>___ 0 ENG-W 131 EX Elementary Composition Exemption</td>
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</table>

<table>
<thead>
<tr>
<th>Mathematical Modeling (3 to 4 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete one of the following options:</td>
</tr>
<tr>
<td>___ 4 MATH-D 116 AND MATH-D 117 Intro to Finite Math-I-II</td>
</tr>
<tr>
<td>___ 3 MATH-I 113 Introduction to Calculus with Applications</td>
</tr>
<tr>
<td>___ 3 MATH-M 118 Finite Mathematics</td>
</tr>
<tr>
<td>___ 3 MATH-M 119 Brief Survey of Calculus I</td>
</tr>
<tr>
<td>___ 4 MATH-M 211 Calculus I</td>
</tr>
<tr>
<td>___ 4 MATH-M 213 Accelerated Calculus</td>
</tr>
<tr>
<td>___ 3 MATH-S 118 Honors Finite Mathematics</td>
</tr>
<tr>
<td>___ 3 MATH-V 118 Finite and Consumer Mathematics:</td>
</tr>
<tr>
<td>___ 3 MATH-V 118 Finite Math for Social and Biological Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural and Mathematical Sciences (5 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 5 credits from the list of approved N&amp;M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arts and Humanities (6 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 6 credits from the list of approved A&amp;H courses in the IUB General Education Bulletin.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social and Historical Studies (6 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 6 credits from the list of approved S&amp;H courses in the IUB General Education Bulletin.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>World Languages and Cultures (0 to 14 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one of the following three options:</td>
</tr>
<tr>
<td>Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin. OR Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language. OR Complete a 6-credit International experience in an approved study abroad.</td>
</tr>
</tbody>
</table>

**Major (76-78 credits)**

**Recreational Therapy (46-48 credits)**

<table>
<thead>
<tr>
<th>3-5 ANAT-A 215 Basic Human Anatomy N&amp;M or SPH-K 205 (Formerly: HPER-P 205) Structural Kinesiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 PHSL-P 215 Physiology N&amp;M</td>
</tr>
<tr>
<td>3 PSY-P 101 Intro Psych I N&amp;M</td>
</tr>
<tr>
<td>3 PSY-P 102 Intro Psych II S&amp;H</td>
</tr>
<tr>
<td>3 PSY-P 324 Abnormal Psychology</td>
</tr>
<tr>
<td>3 SPH-F 150 (Formerly: HPER-F 150) Intro to Life Span Development S&amp;H</td>
</tr>
<tr>
<td>3 SPH-K 398 (Formerly: HPER-P 398) Adapted Physical Education</td>
</tr>
<tr>
<td>3 SPH-Y 225 (Formerly: HPER-T 220) Disability, Health, and Function (min C-)</td>
</tr>
<tr>
<td>3 SPH-Y 277 (Formerly: HPER-R 277) Found of Rec Therapy Practice (min C-)</td>
</tr>
<tr>
<td>4 SPH-Y 376 (Formerly: HPER-R 376) Recreational Therapy Assessment and Planning (min C-) (P: Y 277; P or C: Y 225)</td>
</tr>
<tr>
<td>4 SPH-Y 379 (Formerly: HPER-R 379) Recreational Therapy Facilitation Techniques and Evaluation (min C-) (P: Y 277 &amp; Y 378)</td>
</tr>
<tr>
<td>3 SPH-Y 397 (Formerly: HPER-R 396) Recreational Therapy Internship &amp; Professional Prep (to be taken the Fall semester prior to the R 497 internship)</td>
</tr>
<tr>
<td>3 SPH-Y 470 (Formerly: HPER-R 479) Contemporary Issues in Rec Therapy (min C-) (P: Y 277)</td>
</tr>
<tr>
<td>3 SPH-Y 472 (Formerly: HPER-R 462) Recreational Therapy in Health Care Environment (min C-) (P: Y 277)</td>
</tr>
</tbody>
</table>

**Required Core Courses (30 credits)**

<table>
<thead>
<tr>
<th>3 SPH-R 110 (Formerly: HPER-R 160) Foundation of Leisure &amp; PH S&amp;H</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 SPH-R 142 (Formerly: HPER-T 142) Living Well S&amp;H</td>
</tr>
<tr>
<td>3 SPH-R 210 (Formerly: HPER-R 270) Inclusion in Rec, Park &amp; Tourism</td>
</tr>
<tr>
<td>3 SPH-R 311 (Formerly: HPER-R 330) Mgmt in Rec, Parks, &amp; Tourism</td>
</tr>
<tr>
<td>3 SPH-R 314 (Formerly: HPER-R 395) Data-Based Decis-Making Mths</td>
</tr>
<tr>
<td>12 SPH-R 497 (Formerly: HPER-R 463) Professional Internship</td>
</tr>
<tr>
<td>3 SPH-T 410 (Formerly: HPER-R 430) Event Planning &amp; Prgrm Devlopmt</td>
</tr>
<tr>
<td>320 Hrs Field Experience--Date Completed ____ / ____ / ____</td>
</tr>
</tbody>
</table>

**Electives (7-24)**

At least 120 credits are required for graduation.

**GENERAL EDUCATION** 20-39

**MAJOR** 76-78

**FREE ELECTIVES** 3-24
# Suggested Course Sequence Map
## Recreational Therapy

<table>
<thead>
<tr>
<th>Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>Total: 30 cr</strong></td>
<td><strong>Total: 33 cr</strong></td>
</tr>
<tr>
<td></td>
<td>SPH-R 110 Foundations of Leisure &amp; PH (3)</td>
<td>PSY-P 101, Intro to Psychology I (3)</td>
</tr>
<tr>
<td></td>
<td>S&amp;H Arts &amp; Humanities (3)</td>
<td>N&amp;M</td>
</tr>
<tr>
<td></td>
<td>English Composition (3)</td>
<td>SPH-R142 Living Well (3)</td>
</tr>
<tr>
<td></td>
<td>Mathematical Modeling (3)</td>
<td>S&amp;H</td>
</tr>
<tr>
<td></td>
<td>Electives (3)</td>
<td>SPH-Y 277, Foundations of RT Practice (3) (spring only)</td>
</tr>
<tr>
<td></td>
<td><strong>Total: 30 cr</strong></td>
<td>Arts &amp; Humanities (3)</td>
</tr>
<tr>
<td></td>
<td><strong>Total: 33 cr</strong></td>
<td>World Languages/Cultures (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th><strong>Total: 33 cr</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY-P 102, Intro to Psychology II (3)</td>
<td>S&amp;H (P: P101)</td>
</tr>
<tr>
<td>SPH-Y 225, Disability, Function, &amp; Health (3)</td>
<td>ANAT-A 215, Basic Human Anatomy (5)</td>
</tr>
<tr>
<td>World Languages/Cultures (3)</td>
<td>N&amp;M or SPH-K 205, Structural Kinesiology</td>
</tr>
<tr>
<td>Electives (9)</td>
<td>SPH-F 150, Lifespan Development (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th><strong>Total: 33 cr</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSL-P 215 Physiology (5)</td>
<td>SPH-T 410 Event Plan &amp; Program Dev (3) (P: junior standing)</td>
</tr>
<tr>
<td>SPH-K 398 Adapted Physical Education (3)</td>
<td>SPH-Y 379 RT Facilitation Techniques &amp; Evaluation (4)</td>
</tr>
<tr>
<td>SPH-R 311 Management of RPT (3)</td>
<td>(P: R378) (spring only)</td>
</tr>
<tr>
<td>SPH-Y 378 RT Assessment &amp; Planning (4)</td>
<td>SPH-Y 472 RT in Health Care Environment (3)</td>
</tr>
<tr>
<td>(P: Y 277; P or C: Y 225) (fall only)</td>
<td>(P: Y 277) (spring only)</td>
</tr>
<tr>
<td>Electives (9)</td>
<td>Electives (4-6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th><strong>Total: 28 cr</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY-P 324 Abnormal Psychology (3) (P: P 102)</td>
<td>SPH-R 497 Internship (12) (P: R 110; Y 397 the fall before the internship; all RT major courses)</td>
</tr>
<tr>
<td>SPH-R 314 Data Based Decision Making/Eval (3)</td>
<td></td>
</tr>
<tr>
<td>(P: math modeling course)</td>
<td></td>
</tr>
<tr>
<td>SPH-Y 397 RT Internship &amp; Professional Prep (3)</td>
<td></td>
</tr>
<tr>
<td>(P or C: Y 378) (fall only)</td>
<td></td>
</tr>
<tr>
<td>SPH-Y 470 Contemporary Issues in RT (3)</td>
<td></td>
</tr>
<tr>
<td>(P: Y 277) (fall only)</td>
<td></td>
</tr>
<tr>
<td>Electives (4)</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** 320 hours field experience also required.

### NOTES:

1. A student needs to average 15 credit hours per semester to graduate in 8 semesters (120 credit hours).
2. Many students reduce their academic-year credits by taking classes in summer. However, it is difficult to get equivalent credit for major course work at other campuses or colleges. A few RPT courses, usually required core classes, are offered at IUB each summer, usually in the early part (1st 4- or 1st 6-weeks).
3. Unless otherwise noted, courses may be taken either semester.
4. Prior to registering for the professional internship (R497), students must document 220 Hours of practical experience in the leisure industry and an additional 100 under a CTRS, for approval by RT internship coordinator. Deadlines for approval of the 320 Hours requirement:  
   - For a fall internship: 1 July
   - For a spring internship: 1 November
   - For a summer internship: 1 April
5. The internship (R497) may be taken any term following completion of the required prerequisite courses. Students commonly complete it during the summer, often following the fourth year. Students completing degree requirements in summer may participate in the May commencement ceremony.

Recreational Therapy

Through opportunities for direct experience with clients with disabilities, the recreational therapy major prepares students to assume positions as recreation therapy specialists. Using a variety of techniques, including arts and crafts, animals, sports, games, dance and movement, drama, music, and community outings, therapists treat and maintain the physical, mental, and emotional well-being of their clients. Professionals assess individuals' needs, plan and implement specific interventions to meet those needs, and document and evaluate the effectiveness of the interventions. All students graduating from the major are eligible to sit for the National Council on Therapeutic Recreation Certification (NCTRC) examination.

Career possibilities include recreation therapy specialist positions in:

- Acute care facilities
- Adult day care facilities
- Assisted living facilities
- Developmental learning centers
- Public and private medical and psychiatric hospitals
- Long-term and residential care facilities
- Mental health centers
- Community park and recreation departments
- Psychiatric/behavioral health settings
- Physical and substance abuse rehabilitation centers
- Special education programs in schools
- Stress care units

Recreation therapy provides a rare opportunity for students to do therapeutic work with a bachelor’s degree. *The Occupational Outlook Handbook* refers to the job outlook in recreational therapy as above average.
Tourism, Hospitality, and Event Management
B.S. in Recreation degree (120 minimum credit hours)
2.0 GPA required for admission. 2.0 GPA required for graduation.
Effective for students matriculating summer 2013
PH 133 – (812) 855-4711 (RTHEBSR)

General Education (20 – 39 credits)
(General Education Bulletin at: www.indiana.edu/~bulletin/iub)

English Composition (0 to 3 credits, C- minimum required)
Complete one of the following options:
   ___ 3 CMLT-C 110 Writing the World
   ___ 3 ENG-W 131 Elementary Composition
   ___ 3 ENG-W 170 Projects in Reading and Writing
   ___ 0 ENG-W 131 EX Elementary Composition Exemption

Mathematical Modeling (3 to 4 credits)
Complete one of the following options:
   ___ 4 MATH-D 116 AND MATH-D 117 Intro to Finite Mathematics I-II
   ___ 3 MATH-J 113 Introduction to Calculus with Applications
   ___ 3 MATH-M 118 Finite Mathematics
   ___ 3 MATH-M 119 Brief Survey of Calculus I
   ___ 4 MATH-M 211 Calculus I
   ___ 4 MATH-M 213 Accelerated Calculus
   ___ 3 MATH-S 118 Honors Finite Mathematics
   ___ 3 MATH-V 118 Finite and Consumer Mathematics:
   ___ 3 MATH-V 118 Finite Math for Social and Biological Sciences

Natural and Mathematical Sciences (5 credits)
Complete 5 credits from the list of approved N&M courses in the IUB General Education Bulletin. At least one course must be a natural science (as indicated by an asterisk in the GENED bulletin).

Arts and Humanities (6 credits)
Complete 6 credits from the list of approved A&H courses in the IUB General Education Bulletin.

Social and Historical Studies (6 credits)
Complete 6 credits from the list of approved S&H courses in the IUB General Education Bulletin.

World Languages and Cultures (0 to 14 credits)
Choose one of the following three options:
Complete 6 credits of world culture courses from the list of approved WC courses in the IUB General Education Bulletin.
OR
Achieve competency in a single foreign language equal to successful completion of the four semester sequence in a world language.
OR
Complete a 6-credit International experience in an approved study abroad. A list of approved course choices may be found in the IUB General Education Bulletin.

Major (75 credits)

Tourism, Hospitality, and Event Management (42 credits)
   ___ 3 ENG-W 231 Professional Writing Skills (P: Elementary Composition)
   ___ 3 SPH-R 412 (Formerly: HPER-R 422) Mktg for Leisure Srvc (P: jr stdy)
   ___ 3 SPH-R 413 (Formerly: HPER-R 451) Fiscal Mgmt of Leisure Srvc Orgs
   ___ 3 SPH-R 414 (Formerly: HPER-R 441) Legal Aspects of Recreation
   ___ 3 SPH-R 425 (Formerly: HPER-R 468) Stratsc Plng Rec Org (P: sr stdy)
   ___ 3 SPH-R 426 (Formerly: HPER-R 471) Human Resource Mgmt in Leisr Serv
   ___ 3 SPH-T 201 (Formerly: HPER-R 236) Tourism & Commercial Recreation
   ___ 3 SPH-T 203 (Formerly: HPER-R 252) Introduction to Lodging Management
   ___ 3 SPH-T 211 (Formerly: HPER-R 240) International Tourism
   ___ 3 SPH-T 301 (Formerly: HPER-R 350) Sustainable Tourism (C- min)
   ___ 3 SPH-T 311 (Formerly: HPER-R 351) Convtn Management & Meeting Planning (C- min)
   ___ 3 SPH-T 321 (Formerly: HPER-R 352) Resort Management
   ___ 3 SPH-T 323 (Formerly: HPER-R 353) Festival & Event Management
   ___ 3 SPH-T 431 (Formerly: HPER-R 457) Green Operations in Hospitality Management (P: T 203, junior standing)

Required Core Courses (33 credits)
   ___ 3 SPH-R 110 (Formerly: HPER-R 160) Foundation of Leisure & PH S&H
   ___ 3 SPH-R 142 (Formerly: HPER-T 142) Living Well S&H
   ___ 3 SPH-R 210 (Formerly: HPER-R 270) Inclusion in Rec, Park & Tourism
   ___ 3 SPH-R 311 (Formerly: HPER-R 330) Mgmt in Rec, Parks, & Tourism
   ___ 3 SPH-R 312 (Formerly: HPER-R 392) Career Persp & Internship Prep
   ___ 3 SPH-R 314 (Formerly: HPER-R 395) Data-Based Decisn-Making Mthds
   ___ 12 SPH-R 497 (Formerly: HPER-R 463) Professional Internship
   ___ 3 SPH-T 410 (Formerly: HPER-R 430) Event Planning & Progm Devlpmt
   ___ 320 Hrs Field Experience--Date Completed ___/___/___

Suggested Electives (highlighted options; not required)
   ___ 1-3 SPH-R 250 (Formerly: HPER-R 220) Topics in Rec, Parks, & Tourism
   ___ 3 SPH-R 223 (Formerly: HPER-R 283) Recreation-Based GIS
   ___ 3 SPH-O 340 (Formerly: HPER-R 372) Interprtn & Tourguidng (P: jr stdy)
   ___ 1-3 SPH-R 484 (Formerly: HPER-R 403) Workshop in Rec, Parks, & Tourism
   ___ 3 SPH-O 412 (Formerly: HPER-R 429) Ecotourism
   ___ 3 SPH-T 411 (Formerly: HPER-R 455) International Meeting Planning
   ___ Business minor for non-Kelly students (4 choices)
         Minor in Business
         Minor in Entrepreneurship and Small Business Mgmt
         Minor in Financial Literacy
         Minor in Marketing
   ___ Foreign language study
   ___ Fundraising minor through the School of Public Health

At least 120 credits are required for graduation.

GENERAL EDUCATION: 20-39
MAJOR: 75
ELECTIVES: 6-25
# Suggested Course Sequence Map

## Tourism, Hospitality, and Event Management

<table>
<thead>
<tr>
<th>First Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 30 cr</td>
<td>SPH-R 110 Foundations of Leisure &amp; PH (3) S&amp;H</td>
<td>SPH-R142 Living Well (3) S&amp;H</td>
</tr>
<tr>
<td></td>
<td>Arts &amp; Humanities (3)</td>
<td>SPH-T 201, Tourism &amp; Commercial Rec (3)</td>
</tr>
<tr>
<td></td>
<td>English Composition. (3)</td>
<td>Arts &amp; Humanities (3)</td>
</tr>
<tr>
<td></td>
<td>Mathematical Modeling (3)</td>
<td>Natural &amp; Math. Sciences (3)</td>
</tr>
<tr>
<td></td>
<td>Natural &amp; Math. Sciences (3)</td>
<td>World Languages/Cultures (3)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 30 cr</td>
<td>SPH-R 210 Inclusion in RPT (3)</td>
<td>ENG-W 231 (3) (P: English composition)</td>
</tr>
<tr>
<td></td>
<td>SPH-T 203, Intro to Lodging Management (3)</td>
<td>SPH-T 311, Convention Mgmt &amp; Meeting Planning (3)</td>
</tr>
<tr>
<td></td>
<td>SPH-T 211 International Tourism (3)</td>
<td>SPH-T 321, Resort Management (3)</td>
</tr>
<tr>
<td></td>
<td>Electives (6)</td>
<td>World Languages/Cultures (3)</td>
</tr>
<tr>
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<td></td>
<td>Electives (3)</td>
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</table>

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<thead>
<tr>
<th>Third Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 32 cr</td>
<td>SPH-R 311 Management of RPT (3)</td>
<td>SPH-R 312 Career Persp &amp; Prep for Internship (3) (P: R 110)</td>
</tr>
<tr>
<td></td>
<td>SPH-R 314 Data Based Decision Making/Eval (3) (P: math modeling course)</td>
<td>SPH-T 301, Sustainable Tourism (3)</td>
</tr>
<tr>
<td></td>
<td>SPH-R 412 Marketing for Leisure Srvcs (3) (P: junior standing)</td>
<td>SPH-T 410 Event Plan &amp; Program Dev (3) (P: junior standing)</td>
</tr>
<tr>
<td></td>
<td>SPH-R 414 Legal Aspects of Recreation (3) (P: junior standing)</td>
<td>SPH-T 431, Green Operations in Hospitality Mgmt (3)</td>
</tr>
<tr>
<td></td>
<td>SPH-T 323, Festival &amp; Event Mgmt (3)</td>
<td>(P: T 203; junior standing)</td>
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<tr>
<td></td>
<td>Electives (2)</td>
<td>Electives (3)</td>
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<table>
<thead>
<tr>
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<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 28 cr</td>
<td>SPH-R 413 Fiscal Mgmt (3)</td>
<td>SPH-R 497 Internship (12) (P: R 110, R 312 at least two semesters prior to the internship semester, T 410)</td>
</tr>
<tr>
<td></td>
<td>SPH-R 425 Strategic Planning (3) (senior standing)</td>
<td></td>
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<tr>
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<td>SPH-R 426 Human Resource Mgmt. (3)</td>
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</tr>
<tr>
<td></td>
<td>Electives (7)</td>
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</tbody>
</table>

**NOTE:** 320 hours field experience also required.

<table>
<thead>
<tr>
<th><strong>NOTES:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. A student needs to average 15 credit hours per semester to graduate in 8 semesters (120 credit hours).</td>
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<td>2. Many students reduce their academic-year credits by taking classes in summer. However, it is difficult to get equivalent credit for major course work at other campuses or colleges. A few RPTS courses, usually required core classes, are offered each summer at IUB, usually in the early part (1st 4- or 1st 6-weeks).</td>
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<td>3. Unless otherwise noted, courses may be taken either semester.</td>
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<td>4. Prior to registering for the professional internship (R497), students must document 320 Hours of practical experience in the leisure industry, for approval by their major’s faculty coordinator. Deadlines for approval of the 320 Hours requirement:</td>
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<tr>
<td>• For a fall internship: 1 July</td>
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<td>• For a spring internship: 1 November</td>
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<tr>
<td>• For a summer internship: 1 April</td>
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<tr>
<td>5. The internship (R497) may be taken any term following completion of the required prerequisite courses (R110, R312, and T410). Students commonly complete it during the summer, often following the fourth year. Students completing degree requirements in summer may participate in the May commencement ceremony.</td>
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</table>

Tourism, Hospitality, and Event Management

Students in this major prepare to enter the world's largest and most diverse industry. Tourism is the business of attracting and catering to the needs and expectations of visitors. Students focus on the marketing and management of tourist facilities and destinations; the delivery of hospitality services in food and lodging; and the management of events from conferences to festivals to social and corporate events—all with a common ground of sustainability. Due to its global significance, tourism often involves practices in the international arena, so the program encourages students to explore a multicultural learning landscape.

Career possibilities include:

- Commercial settings, which offer positions in meeting planning, special event planning, adventure travel, hospitality, resort services, conference services, and theme park group coordination
- Military recreation, which supports 250,000 full-time employees with 10,000,000 users at 900 locations within the United States and 350 overseas locations. Positions within travel services are available on all types of military bases - Air Force, Army, Navy and Marine
- Cities and states, which offer opportunities within visitor and convention bureaus
- States, which offer positions in visitor marketing and research divisions, as well as university conference bureaus

In fall 2000, Newsweek predicted that 50 percent of American jobs will be in leisure and tourism by 2050. The Occupational Outlook Handbook refers to the job outlook in recreation as above average.