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 106 The Mathematics of Decision & Beauty
___ 3 MATH-M or V or S 118 Finite Mathematics
___ 3 MATH-M or V 119 Brief Survey of Calculus I
___ 4 MATH-M 211 Calculus I
___ 4 MATH-M 213 Accelerated Calculus

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 (66 credits)

Outdoor Recreation, Parks, & Human Ecology (18 credits)
___ 3 SPH-O 210 Intro Outdoor Recreation, Parks, & Human Ecology
___ 3 SPH-O 244 Natural History & Field Ecology (P: O210) (fall only)
___ 3 SPH-O 310 Ecosystem Management (P: O210) (fall only)
___ 3 SPH-O 340 Interpretation & Tour Guiding (P: O210) (spring only)
___ 3 SPH-O 360 Human Health & Natural Environments (P: O210) (spring only)
___ 3 SPH-O 413 Applications in Outdoor Rec, Parks, & Human Ecology (P: O244, O310, O340, O360; instructor permission) (fall only)

Required Core Courses (30 credits)
___ 3 SPH-R 200 Foundations of Leisure & Public Health S&H
___ 3 SPH-R 210 Inclusion in Recreation, Parks & Tourism
___ 3 SPH-R 311 Management in Recreation, Parks, & Tourism
___ 3 SPH-R 312 Career & Internship Prep (P: R200; admission to RPTS major)
___ 3 SPH-R 314 Data-Based Decision-Making
___ 3 SPH-R 410 Event Planning & Program Development
___ 12 SPH-R 497 Professional Internship (P: 320 hours; R312)
___ 320 Hours Field Experience—Date Completed __/__/____

Focal Tracks (Complete 18 credits in one of the following three tracks.)
Students majoring in ORPHE must choose one of three tracks to have a focused area of study: (1) Adventure Education, (2) Environmental Interpretation, (3) Natural Resource Management. Course options are listed below. Mandatory courses in each focal track are denoted by *.

Adventure Education (AE track students must complete CORE prgm)
C denotes CORE class; CORE only class denoted by **; CORE is spring only.
___ 3 SPH-O 279 Outdoor Advent Education OR
___ O430 Outdoor Advent Programming,*C**
___ 3 SPH-O 305 Integrated Resource Management
___ 3 SPH-O 313 Wilderness and Protected Lands, *C
___ 3 SPH-O 322 Therapeutic Outdoor Instructional Techniques
___ 3 SPH-O 324 Outdoor Experiential Educ. Instructional Techniques, *C**
___ 3 SPH-O 341 Field Techniques in Environmental Education
___ 3 SPH-O 420 Principles of TOP
___ 3 SPH-O 431 Client Management in Adventure/Experiential Ed, *C**
___ 3 SPH-W 305 Intro to Wilderness Leadership
___ 3 SPH-W 331 Wilderness First Responder, *C

Environmental Interpretation
Complete the following two required courses (6 cr.):
___ 3 SPH-O 305 Integrated Resource Management* (fall only)
___ 3 SPH-O 313 Wilderness & Protected Lands* (spring only)

Complete a minimum of 12 credits from the following courses (12 cr.)
___ 3 AMST-A 150 Intro to Native Americans and Indigenous Studies S&H
___ 3 ANTH-A 122 Interpersonal Communication S&H
___ 3 ANTH-A 403 Intro to Museum Studies
___ 3 ANTH-E 320 Indians of North America

- Requirements continued on next page
- Requirements continued from previous page

___3 ANTH-E 423 Life Histories
___3 ANTH-E 424 Sense of Place
___3 ANTH-E 444 People and Protected Areas
___3 GEOG-G 185 Global Environmental Change N&M
___3 SPH-O 214 Wildflowers & Wild Edibles
___3 SPH-O 318 Outdoor Recreation Consortium (P: instructor permission)
___3 SPH-O 341 Field Techniques in Environmental Education

Natural Resource Management
Complete the following two required courses (6 cr.):
___3 SPH-O 305 Integrated Resource Management* (fall only)
___3 SPH-O 313 Wilderness & Protected Lands* (spring only)

Complete a minimum of 12 credits from the following courses (12 cr.)
___3 BIOL-L 350 Environmental Biology
___3 SPEA-E 355 Intro to Limnology
___3 SPEA-E 363 Environmental Management
___3 SPEA-E 422 Urban Forestry
___3 SPEA-E 442 Habitat Analysis- Terrestrial
___3 SPEA-E 443 Habitat Analysis- Aquatic
___3 SPEA-E 456 Lake and Watershed Management
___3 SPEA-E 457 Intro to Conservation Biology
    (P: upper-level ecology course)
___3 SPEA-E 460 Fisheries & Wildlife Management
___3 SPEA-E 461 Fisheries & Wildlife Management Lab
    [P: SPEA-E 272 or H 316, any Biology course, and
     SPEA-E 460 (can be concurrent)]
___3 SPH-O 318 Outdoor Recreation Consortium (P: instructor perm)
___3 SPH-O 342 Applied Ecology: Water Communities
___3 SPH-O 343 Sustainable Agriculture
___3 SPH-R 223 Recreation-Based GIS

A minimum of 120 credits are required for graduation.

<table>
<thead>
<tr>
<th>GENERAL EDUCATION</th>
<th>20-39</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAJOR</td>
<td>66</td>
</tr>
<tr>
<td>FREE ELECTIVES</td>
<td>15-34</td>
</tr>
</tbody>
</table>
### Suggested Course Sequence Map
**Outdoor Recreation, Parks, and Human Ecology**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total: 30 cr</strong></td>
<td><strong>Total: 30 cr</strong></td>
</tr>
<tr>
<td>SPH-R 200 Foundations of Leisure &amp; PH (3)</td>
<td>SPH-O 210, Intro to Outdoor Rec, Parks, &amp; Human Ecology (3)</td>
</tr>
<tr>
<td>IUB GenEd English Composition. (3)</td>
<td></td>
</tr>
<tr>
<td>IUB GenEd Mathematical Modeling (3)</td>
<td>IUB GenEd Natural &amp; Math. Sciences (3)</td>
</tr>
<tr>
<td>IUB GenEd Arts &amp; Humanities (3)</td>
<td>IUB GenEd World Languages/Cultures (3)</td>
</tr>
<tr>
<td>IUB GenEd Natural &amp; Math. Sciences (3)</td>
<td>Electives (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total: 32 cr</strong></td>
<td><strong>Total: 28 cr</strong></td>
</tr>
<tr>
<td>SPH-O 244, Natural History &amp; Field Ecology (3)</td>
<td>SPH-O 340 Interpretation &amp; Tour Guiding(3)</td>
</tr>
<tr>
<td>(P: O 210) (fall only)</td>
<td>(P: O 210) (spring only)</td>
</tr>
<tr>
<td>SPH-R 210 Inclusion in RPT (3)</td>
<td>SPH-R 311 Management of RPT (3)</td>
</tr>
<tr>
<td>ORPHE Track Course #1 (3)</td>
<td>ORPHE Track Course #2 (3)</td>
</tr>
<tr>
<td>IUB GenEd Social &amp; Historical Electives (3)</td>
<td>IUB GenEd World Languages/Cultures (3)</td>
</tr>
<tr>
<td>Electives (3)</td>
<td>Electives (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total: 32 cr</strong></td>
<td><strong>Total: 28 cr</strong></td>
</tr>
<tr>
<td>SPH-O 310, Ecosystem Mgmt (3)</td>
<td>SPH-O 413, Applications in ORPHE (3)</td>
</tr>
<tr>
<td>(P: O 210) (fall only)</td>
<td>(P: O 244, O310, O340, O360); inst. permission)</td>
</tr>
<tr>
<td>SPH-R 314 Data Based Decision Making/Eval (3)</td>
<td>(fall only)</td>
</tr>
<tr>
<td>ORPHE Track Course #3 (3)</td>
<td>SPH-R 497 Internship (12) (P: 320 Hours; R312 at least two semesters prior to the internship semester)</td>
</tr>
<tr>
<td>ORPHE Track Course #4 (3)</td>
<td>Electives (5)</td>
</tr>
<tr>
<td>Electives (3)</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 RPTS courses, usually required core classes, may be offered each summer at IUB, usually in the early part (1st 4- or 1st 6-weeks).
3. Semester offering is provided for required coursework only. You should check the schedule of classes or with an advisor to ensure semester offerings.
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. Additional R497 prerequisite: SPH-R 312 must be taken at least two semesters prior to the R497 internship.
6. The internship (R497) may be taken any term following completion of the required prerequisites. 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. The R497 internship is a 12-credit requirement, so students will pay tuition for this, as for other credit toward graduation.

Visit the Recreation, Park, and Tourism Studies website:
http://www.publichealth.indiana.edu/departments/recreation-park-tourism-studies/index.shtml
Outdoor Recreation, Parks, and Human Ecology

The curriculum emphasizes ecological, natural resource, and sustainability concepts, theories, and applications; 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, environmental and cultural interpretation, outdoor adventure education, natural resource and recreation resource management, and the relation between humans 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), IU Outdoor Adventures (SPH-W courses), 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 / natural areas 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 a sustainability educator, environmental education, outdoor group facilitator, camp program planner and director, adventure leader, outdoor education coordinator, and land stewardship and conservation coordinator.