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](http://www.indiana.edu/~bulletin/iub))

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

Complete one of the following options:
- 3 ENG-W 231 Professional Writing (P: English Composition)
- 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 (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 Mgt (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. standng)
- 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 Decision-Making Mthsds
- 12 SPH-R 497 (Formerly: HPER-R 463) Professional Internship
- 3 SPH-T 410 (Formerly: HPER-R 430) Event Planning & Progm 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 Techngs (CORE)
- 3 SPH-O 331 (Formerly: HPER-R 370) Wilderness First Responder
- 3 SPH-O 341 (Formerly: HPER-R 356) Field Techns 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 Prgms (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 Undrwr 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

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

<table>
<thead>
<tr>
<th>First Year</th>
<th>First Semester</th>
<th>Second Semester</th>
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</table>
| **Total: 30 cr** | SPH-R 110 Foundations of Leisure & PH (3) **S&H**  
Arts & Humanities (3)  
English Composition (3)  
Mathematical Modeling (3)  
Natural & Math. Sciences (3)  | SPH-R 142 Living Well (3) **S&H**  
Arts & Humanities (3)  
Natural & Math. Sciences (3)  
World Languages/Cultures (3)  
Electives (3) |

<table>
<thead>
<tr>
<th>Second Year</th>
<th>First Semester</th>
<th>Second Semester</th>
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</table>
| **Total: 30 cr** | SPH-O 210, Intro to Outdoor Rec, Parks, & Human Ecology (3) (fall only)  
SPH-O 244, Natural History & Field Ecology (3) (fall only)  
SPH-R 210 Inclusion in RPT (3)  
ORPHE Professional Electives (3)  
Electives (3)  | ENG-W 231 (3) (P: English composition course)  
SPH-O 279, Outdoor Adventure Education (3) (P: 0 210) (spring only)  
ORPHE Professional Electives (3)  
World Languages/Cultures (3)  
Electives (3) |

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<tr>
<th>Third Year</th>
<th>First Semester</th>
<th>Second Semester</th>
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</table>
| **Total: 32-33 cr** | SPH-O 310, Ecosystem Mgmt (3) (P: O 210, junior standing) (fall only)  
SPH-R 311 Management of RPT (3)  
SPH-R 314 Data Based Decision Making/Eval (3) (P: math modeling course)  
SPH-O 340 Interpretation & Tour Guiding (3) (P: O 210, junior standing (fall only)  
ORPHE Professional Electives (3)  
Electives (1)  | SPH-O 313, Wilderness & Protected Lands (3) (spring only)  
SPH-O 413, Applications in ORPHE (3) (P: senior standing) (spring only)  
SPH-R 312 Career Persp & Internship Prep (3) (P: R110)  
SPH-T 410 Event Plan & Program Dev (3) (P: junior standing)  
ORPHE Professional Electives (2-3)  
Electives (2) |

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
</table>
| **Total: 27-28 cr** | SPH-O 410, Human Health & Natural Environments (3) (P: senior standing) (fall only)  
SPH-O 412, Ecotourism (3) (P: senior standing) (fall only)  
Electives (9-10)  | SPH-R 497 Internship (12) (P: R 110, R 312 at least two semesters prior to the internship semester, T 410) |

**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.