Outdoor Recreation, Parks, and Human Ecology
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 2014
SPH 133 – (812) 855-4711 (ROPHEBSR)

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 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, & Human Ecology (30 credits)
___ 3 ENG-W 231 Professional Writing (P: English Composition)
___ 3 SPH-O 210 Intro to Outdoor Recreation, Parks, & Human Ecology (fall)
___ 3 SPH-O 244 Natural History & Field Ecology (P: O210) (SIE)
___ 3 SPH-O 279 Adventure Education (spring)
OR SPH-O 430 Outdoor Adventure Programming (P: O210)
___ 3 SPH-O 305 Integrated Resource Management (P: O210) (SIE)
___ 3 SPH-O 310 Ecosystem Management (P: O 210) (SIE)
___ 3 SPH-O 313 Wilderness & Protected Lands (spring)
___ 3 SPH-O 340 Interpretation & Tour-guiding (P: O 210) (fall)
___ 3 SPH-O 360 Human Health & Natural Environments (P: O210) (SIE)
___ 3 SPH-O 413 Applications in ORPHE (P: SIE, junior standing)

Required Core Courses (33 credits)
___ 3 SPH-R 110 Foundations of Leisure & Public Health S&H
___ 3 SPH-R 142 Living Well 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 Perspectives & Internship Preparation (P: R110)
___ 3 SPH-R 314 Data-Based Decision-Making Methods (P: Math Modeling)
___ 12 SPH-R 497 Professional Internship (P: R312, T410, 320 Hours)
___ 3 SPH-T 410 Event Planning & Program Development (P: junior standing)
___ 320 Hrs Field Experience—Date Completed ___ / ___ / ___

Professional Electives (Select at least 11 credits.)
___ 2 SPH-O 318 Outdoor Recreation Consortium (spring)
___ 3 SPH-O 322 Therapeutic Outdoor Instructional Techniques (TOP) (spring)
___ 3 SPH-O 324 Outdoor Experiential Ed.: Instructional Techniques (CORE)
___ 3 SPH-O 331 Wilderness First Responder
___ 3 SPH-O 341 Field Techniques in Environmental Education (summer)
___ 3 SPH-O 342 Applied Ecology: Water Communities (summer)
___ 3 SPH-O 343 Fundamentals of Sustainable Agriculture (summer)
___ 3 SPH-O 412 Ecotourism: Administration & Management
___ 3 SPH-O 420 Principles of Therapeutic Outdoor Programs (TOP) (fall)
___ 3 SPH-R 223 Recreation-Based GIS (spring)
___ 3 SPH-R 395 Practicum in Rec, Park, & Tourism Studies
___ 3 SPH-R 412 Marketing for Leisure Services (P: junior standing)
___ 3 SPH-R 413 Fiscal Management of Leisure Service Orgs
___ 3 SPH-R 414 Legal Aspects of Recreation
___ 3 SPH-R 425 Strategic Planning for Recreation Orgs (P: senior standing)
___ 3 SPH-T 301 Sustainable Tourism
___ 2 SPH-W 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>
</tr>
</thead>
<tbody>
<tr>
<td>Total: 30 cr</td>
<td>SPH-R 110 Foundations of Leisure &amp; PH (3)</td>
<td>SPH-R 142 Living Well (3)</td>
</tr>
<tr>
<td>Arts &amp; Humanities (3)</td>
<td>S&amp;H</td>
<td>Arts &amp; Humanities (3)</td>
</tr>
<tr>
<td>English Composition (3)</td>
<td>Natural &amp; Math. Sciences (3)</td>
<td></td>
</tr>
<tr>
<td>Mathematical Modeling (3)</td>
<td>World Languages/Cultures (3)</td>
<td></td>
</tr>
<tr>
<td>Natural &amp; Math. Sciences (3)</td>
<td>Electives (3)</td>
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<table>
<thead>
<tr>
<th>Second Year</th>
<th>Total: 30 cr</th>
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</thead>
<tbody>
<tr>
<td>SPH-O 210, Intro to Outdoor Rec, Parks, &amp; Human Ecology (3) (fall only)</td>
<td>SPH-O 279, Outdoor Adventure Education (3) (spring only)</td>
</tr>
<tr>
<td>SPH-R 210 Inclusion in RPT (3)</td>
<td>ORPHE Professional Electives (3)</td>
</tr>
<tr>
<td>SPH-R 311 Management of RPT (3)</td>
<td>World Languages/Cultures (3)</td>
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<tr>
<td>ORPHE Professional Electives (3)</td>
<td>Electives (6)</td>
</tr>
<tr>
<td>Electives (3)</td>
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<thead>
<tr>
<th>Third Year</th>
<th>Total: 32-33 cr</th>
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<tbody>
<tr>
<td>Semester in the Environment (SIE)</td>
<td>SPH-O 313, Wilderness &amp; Protected Lands (3) (spring only)</td>
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<tr>
<td>All of these classes are taken as a unit, and are only offered in the fall. Prerequisite for SIE: SPH-O 210</td>
<td>SPH-O 413, Applications in ORPHE (3)</td>
</tr>
<tr>
<td>ENG-W 231 (3) (P: English composition course)</td>
<td>(P: junior standing) (spring only)</td>
</tr>
<tr>
<td>SPH-O 244 Natural History &amp; Field Ecology (3)</td>
<td>SPH-R 312 Career Perspectives &amp; Internship Prep (3) (P: R110)</td>
</tr>
<tr>
<td>SPH-O 305 Integrated Resource Management (3)</td>
<td>SPH-T 410 Event Planning &amp; Program Development (3)</td>
</tr>
<tr>
<td>SPH-O 310 Ecosystem Management (3)</td>
<td>(P: junior standing)</td>
</tr>
<tr>
<td>SPH-O 360 Human Health &amp; Natural Environments (3)</td>
<td>ORPHE Professional Electives (2-3)</td>
</tr>
<tr>
<td></td>
<td>Electives (2)</td>
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</tbody>
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<thead>
<tr>
<th>Fourth Year</th>
<th>Total: 27-28 cr</th>
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<tbody>
<tr>
<td>SPH-O 340 Interpretation &amp; Tour Guiding (3)</td>
<td>SPH-R 497 Internship (12) (P: R 110, R 312 at least two semesters prior to the internship semester, T 410; completion of 320 Hours)</td>
</tr>
<tr>
<td>(fall only)</td>
<td></td>
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<tr>
<td>SPH-R 314 Data Based Decision Making (3)</td>
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<tr>
<td>(P: math modeling course)</td>
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<tr>
<td>ORPHE Professional Electives (3)</td>
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<tr>
<td>Electives (6-7)</td>
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<tr>
<td>NOTE: 320 hours field experience also required.</td>
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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), in addition to course prerequisites 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) and the 320 Hours. 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. In Fall 2014, faculty are introducing a new synergy among required courses in the major: Semester in the Environment (SIE), in which students will take key major courses together, allowing for more integrated learning and more extended field experiences.

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, and a recent post in Yahoo, based on the 2013 Hard Times report by Georgetown University’s Center on Education and the Workforce, noted Recreation and Parks as one of seven majors that have the lowest unemployment rates at both national and local parks, due primarily to job replacement for aging staff who are retiring.