The Department of Health, Recreation and Community Services offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within the Department of Health, Recreation and Community Services, in the following order. *(Note: The Doctor of Education Intensive Study Area in Allied Health, Recreation, and Community Services is under the College of Education and is listed below.)*

**College of Education**

- **Graduate Major (Ed.D.)**
  - Doctor of Education: Allied Health, Recreation, and Community Services intensive study area (p. 1) *(to view all Doctor of Education requirements on the website go to www.uni.edu/catalog/collegeofeducation or for PDF version go to "College of Education" under "Interdisciplinary" section)*

**Interdisciplinary (p. 2)**

- **Undergraduate Major (B.A.)**
  - Environmental Resource Management (p. 2) *(also listed in Department of Biology, Department of Earth and Environmental Sciences and Department of Geography)*

**Athletic Training (p. 7)**

- **Undergraduate Major (B.A.)**
  - Athletic Training and Rehabilitation Studies (p. 7)

**Minors**

- **Masters of Athletic Training (M.ATR.)**

**Public Health (p. 10)**

- **Undergraduate Major (B.A.)**
  - Public Health (p. 10)

**Minors**

- **School-Age Care Leadership**
  - Health Education-Teaching (p. 11)
  - Public Health (p. 12)

**Program Certificates**

- Business of Health Care Administration for Business Majors (p. 13) *(also listed in College of Business Administration and Department of Economics)*

- Business of Health Care Administration for Non-Business Majors (p. 14) *(also listed in College of Business Administration and Department of Economics)*

- Community Nutrition (p. 14)

- Corporate Fitness (p. 15) *(also listed in Department of Kinesiology)*

- Environmental Health (p. 15)

- Global Health and Humanitarian Assistance (p. 15)

- Women’s Health (p. 15)

**Recreation, Tourism and Nonprofit Leadership (p. 15)**

- **Undergraduate Major (B.A.)**
  - Recreation, Tourism and Nonprofit Leadership (p. 16)

- **Minor**
  - Recreation, Tourism and Nonprofit Leadership (p. 17)

- **Graduate Major (M.A.)**
  - Community Health and Recreation (p. 17)

- **Program Certificates**
  - Aquatics Specialization (p. 18) *(also listed in Department of Kinesiology)*
  - Nonprofit Management (p. 19)
  - Outdoor Recreation (p. 19)
  - School-Age Care Leadership (p. 20)
  - Tourism (p. 20)
  - Youth Work in Religious Settings (p. 21) *(also listed in Department of Philosophy and World Religions)*

**Doctor of Education**

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- **Allied Health, Recreation, and Community Services**
- **Curriculum and Instruction**
- **Educational Leadership**
- **Postsecondary Education: Student Affairs**

*(See website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a minimum of 48 semester hours of credit beyond the master’s degree. There are three components to the program:

- **Professional Common Core** *(work in educational foundations, fundamentals, and research)*
  - Advanced Professional Study (in one of three areas of intensive study) **24**

- **Advanced Professional Study** *(in one of three areas of intensive study)*
  - **20**

- **Terminal Professional Area** *(work in educational foundations, fundamentals, and research)*
  - **15**
Department of Health, Recreation and Community Services

Dissertation 9

Total Hours 48

By design, all students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services
This area of intensive study is designed to prepare students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students’ needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and Community Services.)

Curriculum and Instruction
This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology; school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership
This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs
This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Interdisciplinary
Bachelor of Arts Degree Program
Environmental Resource Management Major
The Environmental Resource Management major is aimed at students searching for career options in the broadly-defined ‘outdoor environment’ that are related to natural resources, environmental systems, and sustainable development. This program will prepare students for careers in the environmental and human management of public and private spaces across differing categories of environmental systems - from public parks and lands to conservancy units managed by governmental and other non-profit agencies and organizations. This program aims to serve those students who do not wish to pursue careers as environmental scientists per se from more tightly focused ‘environmental science’ programs.

- STUDENTS ARE REQUIRED TO TAKE THE CORE REQUIREMENTS (31 HOURS) AND MAY CHOOSE ONLY ONE OF THE FOUR SPECIALIZATION TRACKS (30-32 HOURS).
- Each track is composed of clusters of courses with a specific concentration, each of which has a separate hourly requirement.
- For purposes of this degree program, those prerequisite courses required by BIOL, EARTHSCI, GEOG, and RTNL for mid/upper-level courses in each Track THAT ARE NOT INCLUDED IN THE CORE REQUIREMENTS will normally be waived by the appropriate departments.
- The separate tracks allow students to specialize in the area of most general interest while the primary & secondary foci within each track make sure students also are exposed to a wide range of important auxiliary coursework.
- A student with a major within Department of Biology cannot declare the B.A. Environmental Resource Management: Ecosystems Track.
By permission of the Provost’s Office, students enrolled in the B.A. Environmental Resource Management major will be considered majors in all four of the participating departments.

Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2051 (840:051)</td>
<td>General Biology: Organismal Diversity</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3100 (840:100)</td>
<td>Evolution, Ecology and the Nature of Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110 (860:044)</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>EARTHSCI 1300 (870:031)</td>
<td>Introduction to Geology</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 1210 (970:026) &amp; GEOG 1211</td>
<td>Physical Geography and Physical Geography Laboratory</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3330/5330 (870:141g)</td>
<td>Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 4260</td>
<td>Environmental Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3310 (970:164)</td>
<td>Geographic Information Systems I</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4320</td>
<td>Financial Resource Management in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4170/5170</td>
<td>U.S. Environmental History</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Hours**: 31

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 (840:052) and CHEM 1120 (860:048) prerequisites for enrollment into BIOL 3100 (840:100).

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Department of Geography)
- Sustainability (Interdisciplinary)
- Outdoor Recreation (Department of Health, Recreation and Community Services)
- Tourism (Department of Health, Recreation and Community Services)
- Nonprofit Management Certificate (Department of Health, Recreation and Community Services)
- Environmental Health Certificate (Department of Health, Recreation and Community Services)
- Public History (Department of History)

Ecosystems Track

A total of 32 hours are needed for this track. There are 12 hours of required courses. In addition, student select courses from all three elective categories (A, B, & C) to accumulate to a minimum of 20 hours. At least one course must be taken from each elective category.

Required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4168/5168 (840:168g)</td>
<td>Ecology **</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1120 (860:048)</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1140 (800:046)</td>
<td>Precalculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives: 20

Category A - Content Management Related Courses (pick at least 1 course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4105/5105 (840:105g)</td>
<td>Wildlife Ecology and Management</td>
<td></td>
</tr>
<tr>
<td>BIOL 4108/5108 (840:167g)</td>
<td>Biodiversity Conservation Policy **</td>
<td></td>
</tr>
<tr>
<td>BIOL 4167/5167 (840:167g)</td>
<td>Conservation Biology **</td>
<td></td>
</tr>
<tr>
<td>BIOL 4180/5180 (840:180g)</td>
<td>Restoration Ecology **</td>
<td></td>
</tr>
</tbody>
</table>

Category B - Content Related Courses (pick at least 1 course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3112 (840:112)</td>
<td>Invertebrate Zoology *</td>
<td></td>
</tr>
<tr>
<td>BIOL 3118</td>
<td>Marine Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3170 (840:170)</td>
<td>Entomology *</td>
<td></td>
</tr>
<tr>
<td>BIOL 4154/5154 (840:154g)</td>
<td>Aquatic Ecology **</td>
<td></td>
</tr>
<tr>
<td>BIOL 4157/5157 (840:157g)</td>
<td>Biostatistics **</td>
<td></td>
</tr>
<tr>
<td>BIOL 4164/5164 (840:164g)</td>
<td>Mammalogy **</td>
<td></td>
</tr>
<tr>
<td>BIOL 4166/5166 (840:166g)</td>
<td>Plant Systematics **</td>
<td></td>
</tr>
<tr>
<td>GEOG 4310/5310 (970:170g)</td>
<td>GIS Applications: (Variable Topic)</td>
<td></td>
</tr>
<tr>
<td>GEOG 4320/5320 (970:174g)</td>
<td>Geographic Information Systems II</td>
<td></td>
</tr>
</tbody>
</table>

Category C - Cognates (pick at least 1 course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARTHSCI 1200 (870:021)</td>
<td>Elements of Weather</td>
<td></td>
</tr>
<tr>
<td>ENGLISH 4785/5785 (620:177g) Applied Writing: Projects, Grants and Careers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 2210 (970:028)</td>
<td>Modern Climate Change: Evidence and Predictions</td>
<td></td>
</tr>
<tr>
<td>GEOG 3210 (970:137)</td>
<td>Natural Hazards and Disasters</td>
<td></td>
</tr>
<tr>
<td>GEOG 3220 (970:100)</td>
<td>Environmental Geography: Variable Topic</td>
<td></td>
</tr>
<tr>
<td>GEOG 4220/5220 (970:126g)</td>
<td>Soils and Landscapes</td>
<td></td>
</tr>
<tr>
<td>GEOG 4240/5240 (970:155g)</td>
<td>The Ice Age *</td>
<td></td>
</tr>
<tr>
<td>GEOG 4250/5250 (970:185g)</td>
<td>Laboratory Methods in Environmental Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 4270/5270</td>
<td>Regional Landforms of North America</td>
<td></td>
</tr>
</tbody>
</table>
Department of Health, Recreation and Community Services

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3179</td>
<td>Cooperative Education in Geography</td>
</tr>
<tr>
<td>or BIOL 3179</td>
<td>Cooperative Education in Biology</td>
</tr>
<tr>
<td>or EARTHSCI 3430</td>
<td>Internship</td>
</tr>
<tr>
<td>or RTNL 4510</td>
<td>Internship in Recreation, Tourism and Nonprofit Leadership</td>
</tr>
<tr>
<td>or PH 4180</td>
<td>Internship</td>
</tr>
<tr>
<td>GEOG 4370/5370</td>
<td>Remote Sensing of the Environment</td>
</tr>
<tr>
<td>MGMT 3183</td>
<td>Leadership Skills</td>
</tr>
<tr>
<td>MGMT 3185</td>
<td>Project Management</td>
</tr>
<tr>
<td>RTNL 2120</td>
<td>Foundations of Tourism</td>
</tr>
<tr>
<td>RTNL 4553/5553</td>
<td>Trends and Issues in Outdoor Recreation</td>
</tr>
<tr>
<td>RTNL/HIST 4556</td>
<td>History of Outdoor Recreation</td>
</tr>
</tbody>
</table>

Total Hours: **32**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 (840:052) and CHEM 1120 (860:048) for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4000-level courses.

** These courses have additional prerequisites as follows:
- ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g).
- ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
- GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
- GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
- MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
- GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
- RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
- RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
- PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

**Geosystems Track**

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

**Electives**

<table>
<thead>
<tr>
<th>Primary Focus - Content Related Courses</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARTHSCI 1200 (870:021) Elements of Weather</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3350/535 Environmental Hydrology ^</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3322 Earth Materials ^</td>
<td></td>
</tr>
<tr>
<td>GEOG 2210 Modern Climate Change: Evidence and Predictions</td>
<td></td>
</tr>
<tr>
<td>GEOG 3210 Natural Hazards and Disasters</td>
<td></td>
</tr>
<tr>
<td>GEOG 3220 Environmental Geography: Variable Topic ^ ^</td>
<td></td>
</tr>
<tr>
<td>or EARTHSCI 3345/534 Environmental Geology ***</td>
<td></td>
</tr>
<tr>
<td>GEOG 4220/5220 Soils and Landscapes</td>
<td></td>
</tr>
</tbody>
</table>

^ These courses have additional prerequisites as follows:
- ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g).
- ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
- GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
- GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
- MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
- GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
- RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
- RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
- PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.
**Department of Health, Recreation and Community Services**

* For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 (970:026) and GEOG 1211 or EARTHSCI 1300 (870:031) as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 (970:170g) and GEOG 4320/5320 (970:174g).

** The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4105/5105 (840:105g) and BIOL 4180/5180 (840:180g).

*** The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as substitutes for courses that require EARTHSCI 1300 (870:031).

**** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

# # The Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for RTNL 4776/5776.

^ These courses have additional prerequisites as follows: EARTHSCI 3322 has a prerequisite of EARTHSCI 1300 (870:031).

EARTHSCI 3350/5350 (870:173g) has prerequisites of EARTHSCI 1300 (870:031); junior standing.

GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.

ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053), ECON 1051 (920:054); junior standing.

ENGLISH 4785/5785 (620:104g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g).

ENGLISH 4780/5780 (620:105g) has prerequisites of ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g).

ECON 1041 (920:053), ECON 1051 (920:054); junior standing.

GEOG 4310/5310 (970:170g) has prerequisites of GEOG 4170/5170 (970:168g); senior standing; consent of instructor.

GEOG 4320/5320 (970:174g) has prerequisites of GEOG 4170/5170 (970:168g), GEOG 4240/5240 (970:155g), GEOG 4270/5270 (920:123g) or RTNL 2120 Foundations of Tourism.

RTNL/HIST 4556 History of Outdoor Recreation.

RTNL 4776/5776 Eco, Adventure and Sport Tourism.

MGMT 3185 Project Management.

POL AMER 3172/5172 Public Budgeting.

** Secondary Focus - Management Cognates**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4105/5105</td>
<td>Wildlife Ecology and Management</td>
</tr>
<tr>
<td>BIOL 4180/5180</td>
<td>Restoration Ecology</td>
</tr>
<tr>
<td>EARTHSCI 3325/5325</td>
<td>Sedimentary Geology</td>
</tr>
<tr>
<td>EARTHSCI 3360/5360</td>
<td>Field and Laboratory Methods in Hydrology</td>
</tr>
<tr>
<td>ENGLISH 4770/5770</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td>GEOG 4170/5170</td>
<td>Regional Analysis and Planning</td>
</tr>
<tr>
<td>GEOG 4240/5240</td>
<td>The Ice Age</td>
</tr>
<tr>
<td>GEOG 4270/5270</td>
<td>Regional Landforms of North America</td>
</tr>
<tr>
<td>GEOG 4310/5310</td>
<td>GIS Applications: (Variable Topic)</td>
</tr>
<tr>
<td>GEOG 4320/5320</td>
<td>Geographic Information Systems II</td>
</tr>
<tr>
<td>RTNL 2120</td>
<td>Foundations of Tourism</td>
</tr>
<tr>
<td>RTNL/HIST 4556</td>
<td>History of Outdoor Recreation</td>
</tr>
<tr>
<td>RTNL 4776/5776</td>
<td>Eco, Adventure and Sport Tourism</td>
</tr>
<tr>
<td>MGMT 3185</td>
<td>Project Management</td>
</tr>
<tr>
<td>POL AMER 3172/5172</td>
<td>Public Budgeting</td>
</tr>
<tr>
<td>BIOL 3179</td>
<td>Cooperative Education</td>
</tr>
</tbody>
</table>

** Total Hours ** 30
Resource Administration Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Primary Focus - Content Related Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 2210 (970:028)</td>
<td>Modern Climate Change: Evidence and Predictions</td>
</tr>
<tr>
<td>GEOG 4170/5170 (970:168g)</td>
<td>Regional Analysis and Planning</td>
</tr>
<tr>
<td>GEOG 3210 (970:137)</td>
<td>Natural Hazards and Disasters</td>
</tr>
<tr>
<td>PH 3720/5720</td>
<td>Environmental and Occupational Health Regulations</td>
</tr>
</tbody>
</table>

RTNL 2130 | Foundations of the Nonprofit Sector |

RTNL 3337 | Human Resource Development for Recreation, Tourism and Nonprofit Leadership |

RTNL 4310/5310 (970:179) | Cooperative Education in Geography |

or BIOL 3179 (840:179) | Cooperative Education |

or EARTHSCI 343 (870:195) | Internship |

or RTNL 4510 | Internship in Recreation, Tourism and Nonprofit Leadership |

or PH 4180 | Internship |

Secondary Focus - Cognates

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4167/5167 (840:167g)</td>
<td>Conservation Biology **</td>
</tr>
<tr>
<td>GEOG 4220/5220 (970:126g)</td>
<td>Soils and Landscapes</td>
</tr>
<tr>
<td>GEOG 4230/5230 (970:129g)</td>
<td>Rivers</td>
</tr>
<tr>
<td>GEOG 4250/5250 (970:185g)</td>
<td>Laboratory Methods in Environmental Geography</td>
</tr>
<tr>
<td>GEOG 4270/5270</td>
<td>Regional Landforms of North America</td>
</tr>
<tr>
<td>GEOG 4310/5310 (970:170g)</td>
<td>GIS Applications: (Variable Topic)</td>
</tr>
<tr>
<td>GEOG 4320/5320 (970:174g)</td>
<td>Geographic Information Systems II</td>
</tr>
<tr>
<td>GEOG 4370/5370 (970:173g)</td>
<td>Remote Sensing of the Environment</td>
</tr>
<tr>
<td>ENGLISH 4775/5775 (620:105g)</td>
<td>Applied Writing: Specialized Documents ^</td>
</tr>
<tr>
<td>or ENGLISH 4785/5785 (620:177g)</td>
<td>Applied Writing: Projects, Grants and Careers</td>
</tr>
<tr>
<td>PH 3710/5710</td>
<td>Environmental Health Science</td>
</tr>
</tbody>
</table>

RTNL 2120 | Foundations of Tourism |

RTNL 4552/5552 | Theory and Practice of Outdoor Education |

RTNL 4553/5553 | Trends and Issues in Outdoor Recreation |

RTNL 4779/5779 | Community Planning Workshop |

Environmental Compliance Track

A total of 32 hours need for this focus area, with 15 hours of required courses, a minimum of 10 hours from the Primary Focus group and 7 hours from the Secondary Focus group.

Required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 3185</td>
<td>Project Management ^</td>
</tr>
<tr>
<td>POL AMER 3172/5172</td>
<td>Public Budgeting (942:172)</td>
</tr>
<tr>
<td>GEOG 3179 (970:179)</td>
<td>Cooperative Education in Geography ^</td>
</tr>
<tr>
<td>or BIOL 3179 (840:179)</td>
<td>Cooperative Education</td>
</tr>
<tr>
<td>or EARTHSCI 343 (870:195)</td>
<td>Internship</td>
</tr>
<tr>
<td>or RTNL 4510</td>
<td>Internship in Recreation, Tourism and Nonprofit Leadership</td>
</tr>
<tr>
<td>or PH 4180</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Other courses as approved by advisors and program director

Total Hours | 30

* The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4167/5167 (840:167g).

** The Geography Department and the Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for enrollment into RTNL 4310/5310.

^ These courses have additional prerequisites as follows:

RTNL 4776/5776 has prerequisites of RTNL 2120 or consent of instructor; junior standing.

ENGLISH 4775/5775 (620:105g) has prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing.

ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing.

MGMT 3185 has a prerequisite of MGMT 3153 (150:153).

POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048).

GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.

RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520.

For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.

PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.
### Primary Focus - Content Related Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 1051 (920:054)</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3225/5225 (920:123g)</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>PH 3720/5720</td>
<td>Environmental and Occupational Health Regulations</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2550</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Secondary Focus - Cognates

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARTHSCI 1200 (870:021)</td>
<td>Elements of Weather</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 1400</td>
<td>Introduction to Environmental Earth Science</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3230/5230 (870:123g)</td>
<td>Air Quality</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3345/534 (870:171g)</td>
<td>Environmental Geology</td>
<td></td>
</tr>
<tr>
<td>GEOG 3220 (970:100)</td>
<td>Environmental Geography: Variable Topic</td>
<td></td>
</tr>
<tr>
<td>EARTHSCI 3350/535 (870:173g)</td>
<td>Environmental Hydrology</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
* The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as a substitute for courses that require EARTHSCI 1300 (870:031).
** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 (870:123g) as a prerequisite for enrollment into EARTHSCI 3250/5250 (870:177g).
*** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).
^ These courses have additional prerequisites as follows: GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
EARTHSCI 3240/5240 (870:124g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
EARTHSCI 3250/5250 (870:177g) has prerequisites of EARTHSCI 1200 (870:021); junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
MGMT 3185 has a prerequisite of MGMT 3153 (150:153). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520.
For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

---

### Athletic Training

#### Bachelor of Arts Degree Program

**Athletic Training & Rehabilitation Studies Major**

The Athletic Training & Rehabilitation Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Athletic Training & Rehabilitation Studies major is designed to prepare students to become healthcare professionals. The curriculum prepares students for entry into professional healthcare programs. The curriculum is based upon cognitive and psychomotor learning experiences.

All students should first indicate their interest in majoring in the Athletic Training & Rehabilitation Studies major any time after their general admission to UNI is complete by submitting the “Declaration of Curriculum” form, and indicating Athletic Training
& Rehabilitation Studies major. Then, students should contact the Department of Health, Recreation and Community Services Academic Advisor.

All program information is available at the athletic training program office (003 HPC) or our website www.uni.edu/athletic-training.

Required Core:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 1010</td>
<td>Introduction to Athletic Training &amp; Clinical Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>AT 2000</td>
<td>Clinical Healthcare Experience</td>
<td>1</td>
</tr>
<tr>
<td>AT 3020</td>
<td>Clinical &amp; Gross Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>AT 3030</td>
<td>Acute Care</td>
<td>3</td>
</tr>
<tr>
<td>AT 3040</td>
<td>Foundations of Orthopedic Injury Assessment &amp; Pathology I</td>
<td>3</td>
</tr>
<tr>
<td>AT 3050</td>
<td>Foundations of Orthopedic Injury Assessment &amp; Pathology II</td>
<td>3</td>
</tr>
<tr>
<td>AT 4070</td>
<td>Foundations of Therapeutic Interventions &amp; Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>AT 4130</td>
<td>General Medical Conditions</td>
<td>3</td>
</tr>
<tr>
<td>AT 4160</td>
<td>Evidence Based Practice in Health Care</td>
<td>3</td>
</tr>
</tbody>
</table>

Biology:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2052</td>
<td>General Biology: Cell Structure and Function</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3101</td>
<td>Anatomy and Physiology I *</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3102</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

Chemistry and Biochemistry:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
</tbody>
</table>

Mathematics:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 1772</td>
<td>Introduction to Statistical Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Physics:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICS 1511</td>
<td>General Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 1101</td>
<td>Introduction to Public Health</td>
<td></td>
</tr>
<tr>
<td>PH 2130</td>
<td>Epidemiology of Human Diseases</td>
<td></td>
</tr>
<tr>
<td>PH 2160</td>
<td>Medical Terminology, Short Course</td>
<td></td>
</tr>
<tr>
<td>PH 2420</td>
<td>Nutrition for Health Promotion **</td>
<td></td>
</tr>
<tr>
<td>PH 3310/5310</td>
<td>Cultural Competency for the Helping Professions</td>
<td></td>
</tr>
<tr>
<td>PH 3330/5330</td>
<td>Minority Health</td>
<td></td>
</tr>
<tr>
<td>PH 3340/5340</td>
<td>International Health</td>
<td></td>
</tr>
</tbody>
</table>

Physical Education:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEMES 3151</td>
<td>Biomechanics</td>
<td></td>
</tr>
</tbody>
</table>

Athletic Training and Rehabilitation Studies Minor

The Athletic Training and Rehabilitation Studies minor is intended to complement existing majors by offering students a blend of foundational health care concepts and hands-on learning. The minor is designed for students considering a career in clinical health care or for those who would simply like to broaden their educational experience with a background in clinical healthcare.

The Athletic Training and Rehabilitation Studies minor requires a minimum of 15 hours to complete. This total includes 12 credits of required courses and three credits of electives offered within the Athletic Training and Rehabilitation Studies major. While pursuing this minor, students will have the opportunity to participate in clinical experiences while observing and learning alongside practicing health care professionals such as athletic trainers, physical therapists, and other practitioners.

Students can declare this minor at any time throughout their academic progression once they are admitted to UNI. Although students should typically allow four semesters to complete the 15 credits, this can vary depending on course offerings and availability.

The first step is to submit the “Declaration of Curriculum” form, and indicating Athletic Training and Rehabilitation Studies minor. Then, students should contact a Department of Health, Recreation and Community Services Academic Advisor.

Choose from any of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 1010</td>
<td>Introduction to Athletic Training &amp; Clinical Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>AT 3020</td>
<td>Clinical &amp; Gross Human Anatomy</td>
<td></td>
</tr>
<tr>
<td>AT 3030</td>
<td>Acute Care</td>
<td></td>
</tr>
<tr>
<td>AT 3040</td>
<td>Foundations of Orthopedic Injury Assessment &amp; Pathology I</td>
<td></td>
</tr>
<tr>
<td>AT 4070</td>
<td>Foundations of Therapeutic Interventions &amp; Rehabilitation</td>
<td></td>
</tr>
<tr>
<td>AT 4130</td>
<td>General Medical Conditions</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 15

* BIOL 3101 (840:101) Anatomy and Physiology I prerequisites are not required for Athletic Training & Rehabilitation Studies majors.

** PH 2420 has a prerequisite of PH 1410.
Masters of Athletic Training Degree

Academic Standard Policy

Major Requirements

General Explanation: UNI offers a Professional Graduate Athlete Training major or a Masters of Athletic Training, which is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Masters of Athletic Training program through the Graduate College and Admissions. Program admission is based on undergraduate GPA, completion of prerequisite courses, program application materials, and admission to the Graduate College. Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Athletic Training (within the Department of Health, Recreation and Community Services) for program application materials or for any other application requirements. Graduate information and application for graduate study admission can be found at www.grad.uni.edu/admission. Applications will begin to be reviewed no later than October 1 of each year.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

1. Prerequisite courses required: A Bachelor’s degree must be earned prior to entry into the Masters of Athletic Training. Additional prerequisite undergraduate courses (or equivalent) include: General Biology: Cell Structure & Function; General Chemistry I; Physics I; Statistics; Developmental Psychology; Abnormal Psychology OR Dynamics of Development; and Anatomy and Physiology Physiology I & II with a laboratory components. Additionally, students need to be First Aid and CPR certified prior to beginning the Masters of Athletic Training program. A grade of a C or better must be attained in all prerequisite courses. All pre-requisite courses must have been completed within last 10 years.

2. Application requirements for all students: To be admitted to the UNI Masters of Athletic Training Program, students must complete the application process. The following list of items are required as part of the application process. Students are responsible for all costs associated with application process.
   a. Achieved a bachelor's degree
   b. Completion of course prerequisites as listed above
   c. Application forms: UNI Admissions Office and Athletic Training via ATCAS (online national centralized application system)
   d. CPR certification for the Professional Rescuer
   e. First Aid Certification
   f. 50 hours of athletic training observation experience
   g. OSHA/Blood-borne pathogen certification (This must be obtained before beginning any clinical experience. This training is offered free of charge at UNI every semester.)
   h. Technical standards form
   i. Criminal background check
   j. For international students whose native language is not English, official TOEFL scores are required unless a baccalaureate degree was completed at a university or college where the primary language of instruction is English.
   k. Undergraduate cumulative GPA of 3.0 or greater
   l. Personal statement
   m. Three letters of recommendation

3. Application Process:
   a. Obtain the application documents from the Admissions website, and ATCAS
   b. Submit all materials to Graduate Admissions
   c. Students must be admitted prior to the beginning of the summer session in order to join that year's cohort

4. A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.

5. Upon acceptance into the Masters of Athletic Training program, a student must do the following within 30 days of notification of acceptance:
   a. Send a letter of acceptance via email to the Athletic Training Graduate Program Director.
   b. Begin the Hepatitis B Vaccination series or sign the waiver form.
   c. Complete all other paper work available at the AT program office.
   d. Maintain current CPR, OSHA, and First Aid certifications and child mandatory reporter training.
   e. Become a student member of the NATA ($80/year)
   f. Maintain professional liability insurance ($38/year)

6. To graduate from UNI with a Masters of Athletic Training major, students must:
   a. Maintain a 3.00 cumulative GPA and 3.00 major GPA
   b. Complete a clinical experience each semester
   c. Complete the Masters of Athletic Training academic major. This includes that a student be enrolled in the athletic training program for a minimum of four semesters.

7. All other program information is available at the athletic training program office (003 HPC) or our website www.uni.edu/athletic-training.

Athletic Training Major

The Masters of Athletic Training major requires a minimum of 60 total hours to graduate.

The Masters of Athletic Training major is designed to prepare students to become athletic training professionals. It prepares students for the Board of Certification Examination as well as eligibility for an Athletic Training State License Credential. The curriculum is based upon cognitive and psychomotor learning experiences. The athletic training program is accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

The Graduate Record Examination (General Test) is not required for admission to the program.
Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This degree is offered on the non-thesis option. Acceptable non-thesis projects include critically appraised topics, interrelated series of research proposals, conducting an empirical study, or a problem-based analysis of the literature, each of which require an extensive writing component.

A minimum of 60 semester credit hours is required. The non-thesis option requires 3 hours of AT 6299 (42T:299). A minimum of 21 semester hours at the 6000-level is required.

A cumulative grade index of 3.00 (B average) must be earned in all courses required for the degree or applying to the degree. No more than six (6) semester hours of C credit (C+, C, C-) may be applied toward credit for graduation. When C-range grades on the advisement report exceed the six hour limit, one or more of such courses must be repeated. A course taken to satisfy degree requirements in which a student receives a D+, D, D- F or NC grade will not be considered satisfactory and must be repeated. The original grade for any repeated course will be included in the computation for the Plan GPA, as well as in the overall cumulative GPA.

Prerequisite Core: 26
- BIOL 2052 (840:052) General Biology: Cell Structure and Function 4
- BIOL 3101 (840:101) Anatomy and Physiology I (or equivalent) 4
- BIOL 3102 (840:102) Anatomy and Physiology II (or equivalent) 4
- CHEM 1110 (860:044) General Chemistry I 4
- PHYSICS 1511 General Physics I (880:054) 4
- STAT 1772 (800:072) Introduction to Statistical Methods 3
- PSYCH 2202 (400:120) Developmental Psychology 3
  or PSYCH 3403/5403 Abnormal Psychology (400:142g)
  or EDPSYCH 2030 (200:030) Dynamics of Human Development

Athletic Training Courses:
- AT 6000 Integrated Clinical Experiences (minimum 11 hours, but may be repeated for a maximum of 13 hours over 4-6 semesters) 11-13
- AT 6030 Advanced Acute Care in Athletic Training 3
- AT 6032 Advanced Acute Care Clinical Skills 1
- AT 6060 Athletic Training Organization & Professional Responsibility 3
- AT 6070 Advanced Therapeutic Interventions I 3
- AT 6072 Advanced Therapeutic Interventions I Clinical Skills 1
- AT 6080 Advanced Therapeutic Interventions II 3

AT 6082 Advanced Therapeutic Interventions II Clinical Skills 1
AT 6100 Advanced Clinical Anatomy 3
AT 6130 General Medical Assessment & Intervention 3
AT 6150 Advanced Athletic Training Clinical Skills 2
AT 6210 (42T:210) Pathoetiology and Orthopaedic Assessment I 3
AT 6215 Pathoetiology and Orthopaedic Assessment I Clinical Skills 1
AT 6220 (42T:220) Pathoetiology and Orthopaedic Assessment II 3
AT 6225 Pathoetiology and Orthopaedic Assessment II Clinical Skills 1
AT 6255 Health Assessment & Preventive Practices 3
AT 6260 (42T:250) Gross Human Anatomy & Orthopedic Surgical Interventions 3
AT 6275 Mental Health Care in Athletic Training Practice 3

Kinesiology, Allied Health, & Human Services, Interdepartmental: 6 credits
- KAHHS 6210 Quantitative Methods in KAHHS 3
- KAHHS 6290 Research Methods for KAHHS 3
- Research: 3 credit hours (Non-thesis) 3
- AT 6299 Research 3
- Total hours 60-62

Public Health
Bachelor of Arts Degree Programs
Public Health Major

The Public Health major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by italics.

Tracks include the following:

- Community Health (41 credits)

- Environmental Health Science (46 credits)

Public Health specialists seek to improve the health of the general public through education, behavior change and improvement of the environment. Students in the program develop the skills to plan, implement and evaluate programs in a variety of settings, which may include health departments, corporate wellness sites, hospitals/clinics, fitness facilities, nonprofit organizations, international relief organizations, nursing homes, colleges/universities, and private industry.

The curriculum is tailored to meet national competencies and prepares students to sit for the National Certified Health Education Specialist (CHES) exam or the Registered Environmental Health Specialist
Students will take classes on environmental health science, epidemiology (how diseases are spread), nutrition, cultural competency, and how to address risky lifestyle behaviors (i.e., tobacco/alcohol/substance abuse, lack of physical activity, poor nutrition and unintentional injuries, high levels of stress, and unsafe sexual behaviors).

All students are encouraged to meet with their faculty advisor to discuss their career goals and aspirations and possible certificate options to gain expertise in specific public health areas.

A student may declare more than one track within the Public Health major. The Environmental Health Science track requires 3 hours of PH 4180 Internship and 3 hours of PH 4170 Senior Project; the Community Health track requires 6 hours of PH 4180 Internship and 3 hours of PH 4170 Senior Project. If a student chooses the Environmental Health track and the Community Health track, those students will complete 3 hours of PH 4180 Internship in Environmental Health and 3 hours of PH 4180 Internship in Community Health and 3 hours of PH 4170 Senior Project. Students who complete a major in either Chemistry, Biology, or Biochemistry who double major in Public Health are waived from the requirements of PH 3170 Internship Seminar, PH 4170 Senior Project, and PH 4180 Internship.

Students who complete a major in either Chemistry, Biology, or Biochemistry who double major in Public Health are waived from the requirements of PH 3170 Internship Seminar, PH 4170 Senior Project, and PH 4180 Internship. Students should speak with their advisor regarding these options in advance.

### Environmental Health Science (EHS) track and Community Health (CH) track

#### Required Core: 24 credits (EHS) or 27 credits (CH)

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 1101 Introduction to Public Health</td>
</tr>
<tr>
<td>PH 1410 Basic Nutrition</td>
</tr>
<tr>
<td>PH 2130 Epidemiology of Human Diseases</td>
</tr>
<tr>
<td>PH 3170 Internship Seminar</td>
</tr>
<tr>
<td>PH 3310/5310 Cultural Competency for the Helping Professions</td>
</tr>
<tr>
<td>PH 3710/5710 Environmental Health Science</td>
</tr>
<tr>
<td>PH 4170 Senior Project</td>
</tr>
<tr>
<td>PH 4180 Internship (3 hrs. EHS or 6 hrs. CH)</td>
</tr>
</tbody>
</table>

#### Environmental Health Science Core (EHS): 22 credits

- **Public Health:**
  - PH 3720/5720 Environmental and Occupational Health Regulations 3
  - PH 3730/5730 Toxins and Health 3

- **Biology:**
  - BIOL 1033 (840:033) Principles of Microbiology 4
  - BIOL 2052 (840:052) General Biology: Cell Structure and Function 4

- **Chemistry:**
  - CHEM 1010 (860:010) Principles of Chemistry 4
  - CHEM 2040 Applied Organic and Biochemistry 4

**Total EHS: 24 credits (core) + 22 credits (track)** 46

#### Community Health Core (CH):

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 3140/5140 Planning and Evaluating Public Health Programs</td>
</tr>
<tr>
<td>PH 3150/5150 Implementation and Advocacy in Public Health Programs</td>
</tr>
</tbody>
</table>

#### Community Health Electives (CH) choose 6 credits from the following:

- PH 1610 Exploring Careers in Public Health
- PH 2420 Nutrition for Health Promotion
- PH 2430 Food and Nutrition Practicum
- PH 2520 Maternal and Infant Health
- PH 2530 Introduction to Women's Health
- PH 2540 Selected Topics in Women's Health
- PH 2620 Stress and Coping
- PH 2630 Aging and Health
- PH 3320/5320 Global Service Mission
- PH 3330/5330 Minority Health
- PH 3340/5340 International Health
- PH 3640/5640 Worksite Health Promotion
- PH 3650 Complementary, Alternative, and Integrative Health
- PH 3670 Health Care and the Consumer
- PH 3720/5720 Environmental and Occupational Health Regulations
- PH 3730/5730 Toxins and Health
- PH 3740/5740 Environmental Health, Field Methods, Technology, and Laboratory Applications

**Total CH: 27 credits (core) + 14 credits (track)** 41

### Minors

#### School Health Education Minor-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

With the appropriate choice of courses, the School Health Education Minor-Teaching leads to the following endorsements:

#### 5-12 Health Endorsement #138

#### Methods course:

- PH 3245 Secondary School Health Education Methods and Curriculum 4

- **Applied Human Sciences, School of:**
  - FAM SERV 1057 Human Relationships and Sexuality (31F:057) 3

**Public Health:**

- CHEM 1110 (860:044) AND CHEM 1120 OR CHEM 1130 can be substituted for CHEM 1010 (860:010).
- CHEM 2210 (860:120) AND CHEM 2220 can be substituted for CHEM 2040. BIOL 3151 (840:151) can be substituted for BIOL 1033 (840:033).
# Community and Public Health

- **PH 1101**: Introduction to Public Health (3 hours)
- **PH 2130**: Epidemiology of Human Diseases (3 hours)
- **PH 3710**: Environmental Health Science (3 hours)

## Public Health Minor

**Required:**
- **PH 1101**: Introduction to Public Health (3 hours)
- **PH 1410**: Basic Nutrition (3 hours)
- **PH 2130**: Epidemiology of Human Diseases (3 hours)
- **PH 3140/5140**: Planning and Evaluating Public Health Programs (4 hours)
- **PH 3150/5150**: Implementation and Advocacy in Public Health Programs (4 hours)
- **PH 3710**: Environmental Health Science (3 hours)

**Total Hours:** 20

---

**Program Certificates**

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Health, Recreation and Community Services or the Office of the Registrar, which serves as the centralized registry.
Certificate in Business Of Health Care Administration for Business Majors

The interdisciplinary Business of Health Care certificate for Business Majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care. Requires completion of any business major.

Required:

**Accounting:**
- ACCT 2120 (120:030) Principles of Financial Accounting 3

**Economics:**
- ECON 2140 Health Economics * 3

**Public Health and Education:**
- PH 1101 Introduction to Public Health (CAP:160) 2-3
- or CAP 3160 Community and Public Health
- PH 3670 Health Care and the Consumer 2

**Economics electives (one of the following):**
- ECON 3217/5217 (920:116g) Economics of Labor Markets *
- ECON 3221/5221 (920:117g) Public Finance *
- ECON 3229/5229 (920:125g) Cost-Benefit Analysis *
- ECON 3231/5231 (920:128g) Law and Economics *

**Electives (two of the following):**
- ANTH 3102/5102 (990:168g) Culture, Disease, and Healing *

**Capstone courses:**
- CAP 3173/REL 3510 (640:173)/PHIL 3510 Bio-Medical Ethics
- CAP 3194/REL 3110 (640:194)/PHIL 3110 Perspectives on Death and Dying

**Criminology:**
- CRIM 3369 Drugs and Society *

**Family Services:**
- FAM SERV/GERO 3161 Families, Alzheimer's and Related Dementias

**Finance:**
- FIN 3050 (160:162) Risk Management and Insurance

**Gerontology:**
- GEROS 2111 Families and End of Life Issues

**Philosophy:**
- PHIL/RELS 3110 Perspectives on Death and Dying

**Political Science:**
- POL AMER 1048 (942:048) in Public Administration

**Psychology:**
- PSYCH 3303/5303 (400:154g) Health Psychology *

**Public Health and Education:**
- PH 2630 Aging and Health
- PH 2620 Stress and Coping
- PH 3320/5320 Global Service Mission
- PH 2530 Introduction to Women's Health
- PH 3330/5330 Minority Health
- PH 3640/5640 Worksite Health Promotion
- PH 3340/5340 International Health
- PH 3720/ENV SCI 4666/5666 (830:166g) Environmental and Occupational Health Regulations

**Sociology:**
- SO 3035/5035 (980:125g) Social Gerontology *
- SO 3086/5086 Medical Sociology *

**Total Hours**
- 19-20

* The following courses have additional prerequisites:
  - ECON 2140 has prerequisites ECON 1031 (920:024) or ECON 1041 (920:053) or ECON 1051 (920:054).
  - ECON 1031 (920:024) can be used to satisfy Liberal Arts Category 5B.
  - ECON 3217/5217 (920:116g), ECON 3221/5221 (920:117g), ECON 3229/5229 (920:125g), and ECON 3231/5231 (920:128g) have prerequisites of both ECON 1041 (920:053) and ECON 1051 (920:054).
  - ANTH 3102/5102 (990:168g) has prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).
  - SOC 1000 (980:001) or ANTH 1002 (990:011) can be used to satisfy Liberal Arts Category 5A.
  - CRIM 3369 has prerequisite of SOC 1000 (980:001).
  - SOC 1000 (980:001) can be used to satisfy Liberal Arts Category 5A.
  - PSYCH 3303/5303 (400:154g) has prerequisite of PSYCH 1001 (400:001). PSYCH 1001 (400:001) can be used to satisfy Liberal Arts Category 5B.
  - SOC 3035/5035 (980:125g) and SOC 3086/5086 have prerequisite of SOC 1000 (980:001) or SOC 1060 (980:060).
  - SOC 1000 (980:001) can be used to satisfy Liberal Arts Category 5A. SOC 1060 (980:060) can be used to satisfy Liberal Arts Category 5C.
Certificate in Business Of Health Care Administration for Non-Business Majors

The interdisciplinary Business of Health Care Administration certificate for Non-Business majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care.

Required:

**Accounting:**
ACCT 2120 (120:030) Principles of Financial Accounting 3

**Economics:**
ECON 1031 (920:024) Introduction to Economics or ECON 1041 (920:053) Principles of Macroeconomics 3
ECON 2140 Health Economics * 3

Public Health and Education:
PH 1101 Introduction to Public Health or CAP 3160 (CAP:160) Community and Public Health 2-3
PH 3670 Health Care and the Consumer 2

Elective(s) from the following (select one if major or minor requires no economics; select two if major or minor requires economics):

**Anthropology:**
ANTH 3102/5102 (990:168g) Culture, Disease, and Healing *

**Capstone courses:**
CAP 3173/ RELS 3510 (640:173)/PHIL 3510 Bio-Medical Ethics
CAP 3194/ RELS 3110 (640:194)/PHIL 3110 Perspectives on Death and Dying

**Criminology:**
CRIM 3369 Drugs and Society *

**Family Services:**
FAM SERV/GERO 3161 Families, Alzheimer's and Related Dementias

**Finance:**
FIN 3050 (160:162) Risk Management and Insurance

**Gerontology:**
GERO/FAM SERV 2111 Families and End of Life Issues

**Philosophy:**
PHIL/RELS 3110 Perspectives on Death and Dying

**Political Science:**

Certificate in Community Nutrition

The Community Nutrition Certificate is offered by the Public Health and Education program within the Department of Health, Recreation and Community Services. The Community Nutrition Certificate Program prepares students to address nutrition issues in the community setting.

Required:

**Public Health:**
PH 1101 Introduction to Public Health 3
PH 1410 Basic Nutrition 3
PH 2420 Nutrition for Health Promotion 3
PH 2430 Food and Nutrition Practicum 2

The following courses have additional prerequisites:
ECON 2140 has prerequisites ECON 1031 (920:024) or ECON 1041 (920:053) or ECON 1051 (920:054).
ECON 1031 (920:024) can be used to satisfy Liberal Arts Category 5B.
ANTH 3102/5102 (990:168g) has prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).
SOC 1000 (980:001) or ANTH 1002 (990:011) can be used to satisfy Liberal Arts Category 5A.
CRIM 3369 has prerequisite of SOC 1000 (980:001).
SOC 1000 (980:001) can be used to satisfy Liberal Arts Category 5A.
PSYCH 3303/5303 (400:154g) has prerequisite of PSYCH 1001 (400:001).
PSYCH 1001 (400:001) can be used to satisfy Liberal Arts Category 5B.
SOC 3035/5035 (980:125g) and SOC 3086/5086 have prerequisite of SOC 1000 (980:001) or SOC 1060 (980:060).
SOC 1000 (980:001) can be used to satisfy Liberal Arts Category 5A, SOC 1060 (980:060) can be used to satisfy Liberal Arts Category 5C.
Psychology:
PSYCH 1001 (400:001) Introduction to Psychology 3
Electives: (choose one course from the following) 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 3303/5303</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>(400:154g)</td>
<td></td>
</tr>
<tr>
<td>PSYCH 3502/5502</td>
<td>Motivation and Emotion</td>
</tr>
<tr>
<td>(400:134g)</td>
<td></td>
</tr>
</tbody>
</table>
Total Hours 17

* PSYCH 1001 (400:001) satisfies LAC category 5B.

Certificate in Corporate Fitness

The Corporate Fitness Certificate interdisciplinary program is jointly offered by the Public Health and Education program within the Department of Health, Recreation and Community Services and the Department of Kinesiology. The Corporate Fitness Certificate Program prepares students for work in corporate fitness and worksite health promotion settings.

Required:
Physical Education:
PEMES 2050 (420:050) Anatomy and Physiology of Human Movement 3
PEMES 3153 (420:153) Physiology of Exercise 3
PEMES 3156 (420:156) Fitness Assessment and Programming 3

Public Health:
PH 3640/5640 Worksite Health Promotion 3

Electives (choose one from the following): 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEMES 3157 (420:157)</td>
<td>Sports Nutrition</td>
</tr>
<tr>
<td>PH 1410</td>
<td>Basic Nutrition</td>
</tr>
</tbody>
</table>

Total Hours 15

* PEMES 3157 (420:157) has a prerequisite of PEMES 2053 (420:053) and PEMES 3153 (420:153). Prerequisite for Athletic Training majors: AT 3020.

Environmental Health Certificate

Required:
PH 1101 Introduction to Public Health 3
PH 2130 Epidemiology of Human Diseases 3
PH 3710/ ENV SCI 4665/5665 (830:165g) Environmental Health Science 3
PH 3720/5720 Environmental and Occupational Health Regulations 3
PH 3730/5730 Toxins and Health 3

Total Hours 15

Certificate in Global Health and Humanitarian Assistance

Required:
PH 1101 Introduction to Public Health 3

Department of Health, Recreation and Community Services

PH 3310/5310 Cultural Competency for the Helping Professions 3
PH 3320/5320 Global Service Mission (3 hrs.) 3
PH 3330/5330 Minority Health 3
PH 3340/5340 International Health 3

Total Hours 15

Certificate in Women’s Health

The Women’s Health Certificate is offered by the Public Health program within the Department of Health, Recreation and Community Services. The Women’s Health Certificate prepares students for work in organizations that address women’s health needs.

Required:
Applied Human Sciences, School of:
FAM SERV 1057 Human Relationships and Sexuality 3

Public Health:
PH 2520 Maternal and Infant Health 3
PH 2530 Introduction to Women’s Health 3

Women’s and Gender Studies:
WGS 1040 (680:040) Women’s and Gender Studies: Introduction 3

Electives (choose one from the following): 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4346/5346 (48C:153g)</td>
<td>Gender Issues in Communication</td>
</tr>
<tr>
<td>PH 2630</td>
<td>Aging and Health</td>
</tr>
<tr>
<td>PH 3650</td>
<td>Complementary, Alternative, and Integrative Health</td>
</tr>
<tr>
<td>PSYCH 2201 (400:060)</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>SOC SCI 1020 (900:020)</td>
<td>Women, Men, and Society</td>
</tr>
</tbody>
</table>

Total Hours 15

* PSYCH 2201 (400:060) has a prerequisite of PSYCH 1001 (400:001).

Recreation, Tourism and Nonprofit Leadership

Academic Policies

Major Requirements

The following criteria shall be used to determine student eligibility for the Recreation, Tourism and Nonprofit Leadership major:

1. 2.00 or above cumulative UNI GPA.

2. A grade of C (2.00) or higher in all courses applied to the major. If the student earns less than a C in a major course, s/he must retake the course within two semesters in order to apply it to the major.

In order to remain in good academic standing, students must maintain a cumulative major GPA of 2.50 or above. Students whose GPAs fall below 2.50 will have one semester in which to raise grades to the required level. If they are unable to do so, they must retake the course or courses that caused the GPA to fall below 2.50, and they will be
Department of Health, Recreation and Community Services

administratively dropped from any other major courses for which they
have registered.

In order to be eligible for internship and graduation, students must:

1. Meet the academic criteria above.
2. Complete a minimum of 500 Professional Experience hours in
   Recreation, Tourism and Nonprofit Leadership settings.
3. Hold or obtain current certification in American Red Cross
   CPR PRO (Professional Rescuer), American Red Cross AED
   (Automatic External Defibrillation), American Red Cross
   First Aid, American Red Cross PDT (Prevention of Disease
   Transmission), and Child/Dependent Adult Abuse Mandatory
   Reporter Training.

**Minor Requirements**

Admission to the Recreation, Tourism and Nonprofit Leadership
minor requires students to have a cumulative UNI GPA of 2.00.
To graduate with a minor in Recreation, Tourism and Nonprofit
Leadership, students must have a minor GPA of 2.50, with a grade of
C (2.00) or higher in all courses applied to the minor. Students must
officially declare the minor.

**Bachelor of Arts Degree Program**

**Recreation, Tourism and Nonprofit Leadership Major**

The Recreation, Tourism and Nonprofit Leadership major requires
a minimum of 120 total hours to graduate. This total includes
Liberal Arts Core requirements and the following specified major
requirements, plus electives to complete the minimum of 120 hours.

The Recreation, Tourism and Nonprofit Leadership major prepares
students to deliver programs and manage facilities designed to meet
human, community, and social needs in public, governmental, and
nonprofit community agencies. Graduates may find employment in
agencies that serve people of all ages from diverse backgrounds in
areas such as municipal parks and recreation, commercial recreation,
tourism, outdoor recreation, therapeutic recreation (clinical and
community-based settings), the nonprofit and youth serving agencies,
armed forces recreation, campus recreation, and other leisure service
delivery sectors. The major focuses on direct service programming
with an emphasis on supervisory and managerial skills. The
Recreation, Tourism and Nonprofit Leadership program is accredited
by COAPRT.

Recreation, Tourism and Nonprofit Leadership:

Select four of the following courses: 12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTNL 2110</td>
<td>Foundations of Community Parks and Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 2120</td>
<td>Foundations of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 2130</td>
<td>Foundations of the Nonprofit Sector</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 2140</td>
<td>Foundations of Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 2150</td>
<td>Foundations of Youth Work</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 2160</td>
<td>Foundations of Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3110</td>
<td>Management and Human Resources in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3120</td>
<td>Programming for Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3130</td>
<td>Marketing in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4310/5310</td>
<td>Areas and Facilities in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4320</td>
<td>Financial Resource Management in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4330/5330</td>
<td>Research and Evaluation in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4340</td>
<td>Seminar in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4510</td>
<td>Internship in Recreation, Tourism and Nonprofit Leadership</td>
<td>9</td>
</tr>
<tr>
<td>RTNL 4520</td>
<td>Senior Project in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine hours from the following: 9

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTNL 2210</td>
<td>Nonprofit Leadership Practicum, Level I</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3280</td>
<td>Readings in Recreation, Tourism and Nonprofit Leadership</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3777/5777</td>
<td>Special Events Management</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3778/5778</td>
<td>Community Based Tourism</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 3991/5991</td>
<td>Philosophical Ideologies of Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4210/5210</td>
<td>Nonprofit Leadership Practicum, Level II</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4290/5290</td>
<td>Recreation, Tourism and Nonprofit Leadership Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4552/5552</td>
<td>Theory and Practice of Outdoor Education</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4553/5553</td>
<td>Trends and Issues in Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4554/5554</td>
<td>Managing Recreation Impacts on the Natural Environment</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4556/5556</td>
<td>History of Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4621/5621</td>
<td>Camp Staff Development</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4623/5623</td>
<td>Field Experience in Camp Counseling</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4625/5625</td>
<td>Camp Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>RTNL 4776/5776</td>
<td>Eco, Adventure and Sport Tourism</td>
<td>3</td>
</tr>
</tbody>
</table>
Department of Health, Recreation and Community Services

RTNL 4779/5779 Community Planning Workshop
RTNL 4995/5995 Assessment, Programming and Evaluation in Therapeutic Recreation
RTNL 4996/5996 Intervention Techniques in Therapeutic Recreation
RTNL 4997/5997 Administrative Practices in Therapeutic Recreation

Total Hours 54

* RTNL 4210/5210 has a prerequisite of RTNL 2210.

Minor

For Academic Policies regarding minors within Recreation, Tourism and Nonprofit Leadership see Minor Requirements.

Recanion, Tourism and Nonprofit Leadership Minor

Recreation, Tourism and Nonprofit Leadership:

Required:
Select six (6) credit hours from the following: 6

RTNL 2110 Foundations of Community Parks and Recreation
RTNL 2120 Foundations of Tourism
RTNL 2130 Foundations of the Nonprofit Sector
RTNL 2140 Foundations of Outdoor Recreation
RTNL 2150 Foundations of Youth Work
RTNL 2160 Foundations of Therapeutic Recreation
RTNL 2210 Nonprofit Leadership Practicum, Level I

Select six (6) credit hours from the following:* 6

RTNL 3110 Management and Human Resources in Recreation, Tourism and Nonprofit Leadership
RTNL 3120 Programming for Recreation, Tourism and Nonprofit Leadership
RTNL 3130 Marketing in Recreation, Tourism and Nonprofit Leadership
RTNL 3777/5777 Special Events Management
RTNL 3778/5778 Community Based Tourism
RTNL 3991/5991 Philosophical Ideologies of Therapeutic Recreation

Total Hours 18

* Prerequisites waived for non-Recreation, Tourism and Nonprofit Leadership majors.

Master of Arts Degree Program

Major in Community Health and Recreation

The Master of Arts degree in Community Health and Recreation prepares students for leadership roles in a variety of settings including the public/government, academic, non-profit, and corporate sectors. Upon program completion, graduates will possess the skills necessary for effective and efficient delivery of community health and recreation programs. The program supports professional development through the utilization of relevant philosophy, content, and research skills and offers the student the opportunity to take an active role in determining personal learning objectives and developing individual programs of study. Students can design programs of study for work in campus recreation, health education, nonprofit management, community recreation, public health, tourism, and outdoor resource management. Students are encouraged to focus on study that has direct relevance to professional practice.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Health, Recreation and Community Services for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) is not required for admission to the program.
Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available with both thesis and non-thesis options. A minimum of 33 semester hours is required, with a minimum of 12 hours at the 6000-level, exclusive of HRCS 6299. The thesis option requires 6 hours of HRCS 6299. The non-thesis option requires a research paper for 3 hours of HRCS 6299. Additional hours may be required, if upon entering the graduate program, the student needs background courses.

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 3310/5310</td>
<td>Cultural Competency for the Helping Professions</td>
<td>3</td>
</tr>
<tr>
<td>HRCS 6000</td>
<td>Foundations of Community Health and Recreation</td>
<td>3</td>
</tr>
<tr>
<td>KAHHS 6210</td>
<td>Quantitative Methods in KAHHS</td>
<td>3</td>
</tr>
<tr>
<td>KAHHS 6290</td>
<td>Research Methods for KAHHS</td>
<td>3</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RTNL 6201</td>
<td>Social Policy and Issues in Recreation, Tourism and Nonprofit Leadership</td>
<td></td>
</tr>
<tr>
<td>RTNL 6202</td>
<td>Social Psychology of Leisure</td>
<td></td>
</tr>
</tbody>
</table>

**Total hours thesis option** | **Total hours non-thesis option** | 33 |

---

**Program Certificates**

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Health, Recreation and Community Services or the Office of the Registrar, which serves as the centralized registry.

**Aquatics Specialization Certificate**

The purpose of this certificate is to develop and produce quality graduates who have the appropriate skills and certifications to obtain employment in the aquatic profession. Upon completion of the certificate, students will be able to teach Lifeguarding, Water Safety, and be certified as a pool operator through national certifications.

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinesiology:</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>PEMES 2011 (420:011)</td>
<td>Fundamental Physical Activities -- Aquatics</td>
<td></td>
</tr>
<tr>
<td>PEMES 2019</td>
<td>First Aid and CPR for Physical Educators</td>
<td></td>
</tr>
<tr>
<td>PEMES 2060 (420:060)</td>
<td>Lifeguard Training and Instruction</td>
<td></td>
</tr>
<tr>
<td>PEMES 3120 (420:120)</td>
<td>Certified Pool Operators Training</td>
<td></td>
</tr>
<tr>
<td>or PEMES 3133 Wksp: Certified Pool Operators Training</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreation, Tourism and Nonprofit Leadership:</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>RTNL 2110</td>
<td>Foundations of Community Parks and Recreation</td>
<td></td>
</tr>
<tr>
<td>RTNL 3120</td>
<td>Programming for Recreation, Tourism and Nonprofit Leadership</td>
<td></td>
</tr>
</tbody>
</table>

**Electives:** 4 hours as approved by advisor, selected from the following:

**Dimensions of Wellbeing:**

| Course Code | Course Title | |
|-------------|--------------||
| KAHHS 1030 Water Sports Lab* | | |

| Kinesiology: | |
| PEMES 3140 (420:140) | Practicum (Special Needs Swim Lessons) |
| PEMES 3168 (420:168) | Assisting in Physical Activity and Wellness |
Nonprofit Management Certificate

This certificate provides knowledge, skill-building and professional experience for students interested in working in the nonprofit sector. Earning this certificate at UNI also enables students to earn a national certificate in Nonprofit Management from Nonprofit Leadership Alliance.

Students interested in this certificate should contact the Department of Health, Recreation and Community Services (319-273-2141).

Required:

Accounting:
ACCT 2120 (120:030) Principles of Financial Accounting 3

Recreation, Tourism and Nonprofit Leadership:
RTNL 2130 Foundations of the Nonprofit Sector 3
RTNL 2210 Nonprofit Leadership Practicum, Level I 3
RTNL 3110 Management and Human Resources in Recreation, Tourism and Nonprofit Leadership 3
RTNL 4210/5210 Nonprofit Leadership Practicum, Level II 3
RTNL 4320 Financial Resource Management in Recreation, Tourism and Nonprofit Leadership 3
RTNL 4510 Internship in Recreation, Tourism and Nonprofit Leadership 6

Electives: Select 3 credits from the list below: 3

Anthropology:
ANTH 1002 (990:011) Introduction to Cultural Anthropology 3

English:
ENGLISH 4775/5775 Applied Writing: Specialized Documents (620:105g) 3

Geography:
GEOG 4260 Environmental Resource Management (620:105g) 3

History:

Total Hours 20

* RTNL 3110, RTNL 4320 and RTNL 4520 prerequisites waived for non-Recreation, Tourism and Nonprofit Leadership majors.
** RTNL 4510 Internship can be taken within a range of 1-9 credit hours.
*** The following courses have these prerequisites:
ENGLISH 4775/5775 (620:105g) has prerequisites MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. GEOG 4260 has prerequisites GEOG 1210 (970:026) or EARTHSCI 1300 (870:031); BIOL 2051 (840:051); or consent of instructor.

Outdoor Recreation Certificate

The Outdoor Recreation Certificate program is designed to train students for professional employment in the varied and growing field of outdoor recreation and adventure education. This program offers students the opportunity to develop skills in a variety of outdoor recreation activities while studying the theories, trends and issues involved in working with groups, facilitating adventure education, and managing the impacts of recreation on our natural environment. The Certificate in Outdoor Recreation is available to students in all majors.

Required:

Recreation, Tourism and Nonprofit Leadership:
RTNL 2140 Foundations of Outdoor Recreation 3

Select 9 credits from the following: 9

Recreation, Tourism and Nonprofit Leadership:
Department of Health, Recreation and Community Services

RTNL 4552/5552 Theory and Practice of Outdoor Education
RTNL 4553/5553 Trends and Issues in Outdoor Recreation *
RTNL 4554/5554 Managing Recreation Impacts on the Natural Environment
RTNL 4556/5556 History of Outdoor Recreation

Select 3 credits from the following: 3
Athletic Training
AT 1018 (42T:018) Prevention and Care of Athletic Injuries *
AT 1019 (42T:019) Prevention and Care Laboratory *

Kinesiology, Allied Health and Human Services:
KAHHS 1020 Dimensions of Wellbeing Lecture (Adventure Recreation Concepts and Wellness, Enjoying the Great Outdoors, Wellness through Aquatics *)
KAHHS 1030 Dimensions of Wellbeing Lab (Backpacking Lab, Bike Conditioning Lab, Canoeing Lab, Rock Climbing Lab, Skin and Scuba Lab, Winter Skills Lab *)

Recreation, Tourism and Nonprofit Leadership:
RTNL 1A03 Backpacking
RTNL 1A39 Canoeing
RTNL 1A66 Skin and Scuba
RTNL 1A70 Rock Climbing
RTNL 1A81 Ice Climbing
RTNL 1B19 Winter Skills
RTNL 1B21 Bike Conditioning
RTNL 4290/5290 Recreation, Tourism and Nonprofit Leadership Field Experience

Total Hours 15

* Dimensions of Wellbeing courses cannot be taken as university electives. Students can only take one lecture and one lab. If you have completed your Dimensions requirements in the Liberal Arts Core, students can then enroll in the above RTNL activity courses that are listed as RTNL 1AXX or 1BXX.

* AT 1018 (42T:018) has a prerequisite of PEMES 2050 (420:050).
* AT 1019 (42T:019) has a prerequisite of AT 1018 (42T:018).

School-Age Care Leadership Certificate

This certificate is designed to provide students participating in the Camp Adventure Youth Services program an opportunity to receive credit for their application of youth development principles to school-age children (ages 5-12) in global settings.

Required:
Recreation, Tourism and Nonprofit Leadership (must take hours from each course to get to 15 hours):

RTNL 4290/5290 Recreation, Tourism and Nonprofit Leadership Field Experience
RTNL 4623/5623 Field Experience in Camp Counseling
RTNL 4625/5625 Camp Management Systems

Electives: selected from the following: 2-3
TEACHING 2017 Level 1 Field Experience: Exploring Teaching

Educational Psychology and Foundations:
EDPSYCH 3109 Development and Assessment of Young Children *
EDPSYCH 4116/5116 Psychology of Adolescence ** (200:116g)
EDPSYCH 6235 (200:235) Theories of Human Development ***

School of Applied Human Sciences:
FAM SERV 1010 Human Identity and Relationships
FAM SERV 1020 Family Relationships
FAM SERV 1055 Human Growth and Development

Total Hours 17-18

* EDPSYCH 3109 has prerequisite of EDPSYCH 2030 (200:030) or equivalent or consent of instructor.
** EDPSYCH 4116/5116 (200:116g) has prerequisite of EDPSYCH 2030 (200:030) or equivalent; junior standing.
*** EDPSYCH 6235 (200:235) has prerequisite of EDPSYCH 3109 or EDPSYCH 4116/5116 (200:116g).

Tourism Certificate

The Tourism Certificate is administered by Leisure, Youth and Human Services within the Department of Health, Recreation and Community Services, College of Education. For information on this program certificate, contact Leisure, Youth and Human Services, Tourism Advisor, 203 WRC.

Required:
Recreation, Tourism and Nonprofit Leadership: 6
RTNL 2120 Foundations of Tourism
RTNL 3130 Marketing in Recreation, Tourism and Nonprofit Leadership

Select three courses from the following:
Recreation, Tourism and Nonprofit Leadership: 9
RTNL 3777/5777 Special Events Management
RTNL 3778/5778 Community Based Tourism
RTNL 4554/5554 Managing Recreation Impacts on the Natural Environment
RTNL 4776/5776 Eco, Adventure and Sport Tourism
RTNL 4779/5779 Community Planning Workshop

Total Hours 15
Department of Health, Recreation and Community Services

If student has successfully completed MKTG 2110 (130:101) Principles of Marketing, this course can be substituted for RTNL 3130 Marketing in Recreation, Tourism and Nonprofit Leadership.
RTNL 3130 prerequisites waived for non-Recreation, Tourism and Nonprofit Leadership majors.

Youth Work in Religious Settings Certificate
The Youth Work in Religious Settings Certificate interdisciplinary program is jointly offered by the Recreation, Tourism and Nonprofit Leadership program within the Department of Health, Recreation and Community Services and the Department of Philosophy and World Religions. The Youth Work in Religious Settings Certification Program prepares students for work in a variety of religious organizations and contexts.

Required:
- Philosophy and World Religions:
  - RELS 1020 (640:024) Religions of the World — 3
- Recreation, Tourism and Nonprofit Leadership:
  - RTNL 2150 Foundations of Youth Work — 3
  - RTNL 3120 Programming for Recreation, Tourism and Nonprofit Leadership — 3
  - RTNL 3340 Prevention & Intervention Programs in Youth Work — 3

Electives (choose two from the following):
- RELS 1510 (640:040) Religion, Ethics, and Film
- RELS/PHIL 1540 Ethics in Business
- RELS 2001 Old Testament and Other Hebrew Scriptures
- RELS 2002 New Testament and Early Christian Writings
- RELS 2100 Great Living Religions: Hinduism and Buddhism
- RELS 2110 Great Living Religions: Confucianism, Daoism, and Zen
- RELS 2120 Great Living Religions: Judaism and Islam
- RELS 2130 Great Living Religions: Christianity
- RELS/PHIL 2140 Philosophy of Religion
- RELS 2220 Faith and Reason: Philosophy in the Middle Ages
- RELS 2401 Tribal Religions
- RELS/PHIL 2550 Environmental Ethics
- RELS/PHIL 2570 Good Sex: The Ethics of Human Sexuality
- RELS/ANTH 3103 Religion, Magic, and Witchcraft
- RELS/PHIL 3110/CAP 3194 (CAP:194) Perspectives on Death and Dying — 3
- RELS 3120 Myth and Symbol — 3

Total Hours: 18

* RELS 3103 (640:161) has a prerequisite of ANTH 1002 (990:011).

Athletic Training Courses

AT 1010 (42T:023). Introduction to Athletic Training & Clinical Healthcare — 3 hrs.
Introduction to healthcare professions with emphasis on practice guidelines, policies and procedures, risk management, roles and responsibilities of healthcare professionals, and common illnesses and injuries. (Variable)

Provides foundational athletic training content that is pertinent for students preparing to enter the athletic coaching or physical education field. Emphasis placed on orthopedic injury description, prevention, treatment, and recovery. Prerequisite(s): PEMES 2050 (420:050) or AT 3020. (Fall, Spring, Summer)

AT 1019 (42T:019). Prevention and Care Laboratory — 1 hr.
Laboratory experiences in athletic injury prevention and care including taping and wrapping. Prerequisite(s) or corequisite(s): AT 1018 (42T:018). (Fall and Spring)

Practical experience in health care settings. May be repeated for maximum of 8 hours. (Fall and Spring)

AT 3000 (42T:140). Athletic Training Clinical Integration — 1-2 hrs.
Enter-level educational experiences in athletic training knowledge and skills including: 1) skill competencies tied to athletic training coursework, 2) clinical experience, 3) completion of clinical integration proficiencies, and 4) comprehensive learning. This course is to be taken over a minimum of four semesters and will include a clinical experience during each semester. (May be repeated for maximum of 8 hours). (Fall and Spring)
AT 3010. Athletic Training Terminology — 1 hr.
The content delivered in this course will allow students to gain knowledge specific to musculoskeletal human anatomy and injury terminology. Prerequisite(s): AT 1010 (42T:023). (Summer)

AT 3011. Clinical Skills in Athletic Training — 1 hr.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience (AT 3000 (42T:140) Clinical Integration). (Summer)

AT 3020. Clinical & Gross Human Anatomy — 3 hrs.
Clinically relevant anatomy of the human body which includes palpation, range of motion assessment, neurological testing, structure identification and function, as well as projected gross human anatomy structure identification. (Spring)

AT 3030. Acute Care — 3 hrs.
Foundational theory, ethics, components, indications, and psychomotor skills of acute and emergency care. (Variable)

AT 3031. Acute Care Clinical Skills — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3030. Prerequisite(s): AT 1010 (42T:023); Corequisite(s): AT 3030. (Fall)

Foundational recognition and understanding of injuries and conditions occurring to the lower extremities. Prerequisite(s): AT 3020 or consent of instructor. (Variable)

AT 3042. Injury Assessment Clinical Skills I — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3040 (42T:137). Prerequisite(s): AT 3020. Corequisite(s): AT 3040 (42T:137). (Fall)

Foundational recognition and understanding of injuries and conditions occurring to the lower extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3040 (42T:137) or consent of instructor. (Variable)

AT 3052. Injury Assessment Clinical Skills II — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3050 (42T:134). Prerequisite(s): AT 3040 (42T:137); Corequisite(s): AT 3050 (42T:134). (Spring)

Entry-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010 (42T:023); junior standing. (Variable)

AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070. Prerequisite(s): AT 1010 (42T:023); AT 3011; AT 3020; junior standing. Corequisite(s): AT 3070. (Fall)

AT 3080 (42T:157). Therapeutic Interventions II — 3 hrs.
Entry-level study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 3070; AT 3020; junior standing. (Variable)

AT 3082. Therapeutic Interventions Clinical Skills II — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3080 (42T:157). Prerequisite(s): AT 3020; AT 3070; junior standing. Corequisite(s): AT 3080 (42T:157). (Spring)

AT 3091. Foundations of Pharmacology — 3 hrs.
Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite: department consent. (Variable)

AT 3110 (42T:165). Psychological Considerations for Athletic Injuries and Rehabilitation — 2 hrs.
Understanding of psychological considerations associated with athletic injury including athletic training scope of practice, recognition/ intervention, motivation, and common conditions. Prerequisite(s) or corequisite(s): AT 3040 (42T:137). (Variable)

Enter-level study of the pathology of lower body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Fall)

AT 3125. Clinical Decision Making in Athletic Training & Orthopedic Pathology II — 3 hrs.
Enter-level study of the pathology of upper body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Spring)

AT 3250. Preventive Health Care Techniques — 3 hrs.
Theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): AT 3011; AT 3020; AT 3030; AT 3050 (42T:134); junior standing. (Variable)

AT 3300. Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Program. (Variable)

AT 4070. Foundations of Therapeutic Interventions & Rehabilitation — 3 hrs.
Foundation study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions. Prerequisite(s): AT 3050 (42T:134) or consent of instructor. (Fall)

AT 4130. General Medical Conditions — 3 hrs.
Foundation study of general medical conditions and disabilities commonly seen by healthcare providers. Prerequisite(s): AT 3020. (Variable)

Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): AT 3050 (42T:134). (Fall)
Resume writing, interviewing, and a comprehensive review of the
athletic training educational competencies. Prerequisite(s): AT 3060
(42T:110); senior standing. (Spring)

AT 4160. Evidence Based Practice in Health Care — 3 hrs.
This course will provide an in-depth analysis of the concept and
process of evidence-based decision making as it applies to health
care. The concept de-emphasizes sole reliance on non-systematic
approaches such as intuition, experience, and mechanism based
reasoning as justification for making clinical decisions, and
emphasizes the incorporation of science, systematic outcomes
assessment, and patient values into the process. Students will learn
the skills and the application of formal rules of evidence in reviewing
clinical research and assessing patient outcomes. Students will search
and review current literature, including experimental and observation
research, case studies, position statements, comprehensive reviews,
and clinical guidelines that are directed toward the treatment and
rehabilitation of musculoskeletal injuries. Prerequisite(s): junior
standing. (Spring)

AT 6000. Integrated Clinical Experiences — 1-4 hrs.
Comprehensive educational experiences in athletic training
psychomotor and cognitive domains, and clinical proficiencies to be
supervised/mentored in multiple practicum sections through athletic
training field experiences, integrated teaching lab activities, and skills-
based assessment. May be repeated; 11 credit hours required, may
be repeated up to 13 credit hours. Prerequisite(s): Admission into the
Masters Athletic Training program. (Fall, Spring, Summer)

AT 6030. Advanced Acute Care in Athletic Training — 3 hrs.
The theory, ethics, components, indications, and psychomotor skills
of emergency care in athletic training. Evidence-based research and
practices are explored in relation to standard practices. Prerequisite(s):
Admission into the Professional Masters Athletic Training program.
(Variable)

AT 6032. Advanced Acute Care Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations
covering the material taught in AT 6030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6060. Athletic Training Organization & Professional
Responsibility — 3 hrs.
Theoretical and practical study of organization, administration, and
professional development and responsibility in the field of athletic
training. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6070. Advanced Therapeutic Interventions I — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications,
contraindications, precautions, and the application parameters of
therapeutic interventions of the physically active. Prerequisite(s):
AT 6100; AT 6150. (Variable)

AT 6072. Advanced Therapeutic Interventions I Clinical Skills —
1 hr.
Didactic and psychomotor skill instruction with practical examinations
covering the material taught in AT 6070. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6080. Advanced Therapeutic Interventions II — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications,
contraindications, precautions, and the application parameters of
therapeutic interventions of the physically active. Prerequisite(s):
AT 6070. (Variable)

AT 6082. Advanced Therapeutic Interventions II Clinical Skills —
1 hr.
Didactic and psychomotor skill instruction with practical examinations
covering the material taught in AT 6080. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6100. Advanced Clinical Anatomy — 3 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic
training clinical experience, and clinical anatomy of the human body
including palpation, range of motion, and structure identification
and function. Prerequisite(s): Admission into the Masters of Athletic
Training program. (Variable)

AT 6130. General Medical Assessment & Intervention — 3 hrs.
Study of general medical conditions and disabilities commonly seen
by certified athletic trainers. Prerequisite(s): Admission into M.ATR.
program. (Variable)

AT 6150. Advanced Athletic Training Clinical Skills — 2 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic
training clinical experience. Prerequisite(s): Admission into the
M.ATR. program. (Variable)

AT 6210 (42T:210). Pathoetiology and Orthopaedic Assessment I
— 3 hrs.
In-depth study of pathological, etiological, and neuromuscular
mechanisms of musculoskeletal injuries with emphasis on advanced
orthopaedic assessment techniques of the lower body. Prerequisite(s):
Admission into the Masters of Athletic Training program. (Variable)

AT 6215. Pathoetiology and Orthopaedic Assessment I Clinical
Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6210 (42T:210). Prerequisite(s):
Admission into the M.ATR. program. (Variable)

AT 6220 (42T:220). Pathoetiology and Orthopaedic Assessment II
— 3 hrs.
In-depth study of pathological, etiological, and neuromuscular
mechanisms of musculoskeletal injuries with emphasis on advanced
orthopaedic assessment techniques of the upper body. Prerequisite(s):
Admission into the Masters of Athletic Training program. (Variable)

AT 6225. Pathoetiology and Orthopaedic Assessment II Clinical
Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6220 (42T:220). Prerequisite(s):
Admission into the M.ATR. program. (Variable)

AT 6240 (42T:230). Evidence Based Practice I — 3 hrs.
In-depth analysis of current literature, research, case studies,
and techniques directed toward the treatment and prevention of
musculoskeletal injuries to the upper body of the physically active.
Prerequisite(s): NATA/BOC certification; admission into the athletic
training graduate program. (Variable)

AT 6250 (42T:240). Evidence Based Practice II — 2 hrs.
In-depth analysis of current literature, research, case studies,
and techniques directed toward the treatment and prevention of
musculoskeletal injuries to the lower body of the physically active.
Prerequisite(s): NATA/BOC certification; admission into the athletic
training graduate program. (Odd Falls)

Advanced theoretical and practical study of strategies and programs
to prevent the incidence and/or severity of injuries and illnesses and
optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 6260 (42T:250). Gross Human Anatomy & Orthopedic Surgical Interventions — 3 hrs.
Exploration of human anatomy through human cadaver dissection, along with an in-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopedic surgical interventions commonly performed for musculoskeletal injuries. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 6275. Mental Health Care in Athletic Training Practice — 3 hrs.
This course promotes the understanding of mental health care as it relates to athletic training practice and the coordination of care as it pertains to athletic training patients. The focus of this course includes the understanding of mental health disorders, diagnostic criteria, appropriate referral to qualified health care providers, and treatment options. The course will also address patient response to orthopedic injury and its interdependent relationship with activity limitations and participation restrictions. Prerequisite(s): Admission to the M.ATR. program. (Variable)

Special topics in athletic training and/or other allied health professions as indicated in the Schedule of Classes. May be repeated for credit. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

AT 6297 (42T:297). Practicum — 1-4 hrs.
Practical experience in athletic training which includes, but is not limited to teaching, research, and clinical practice. May be repeated for maximum of 8 hours. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

AT 6300. Advanced Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): consent of AT Program. (Variable)

In-depth examination of current theories and practices relevant to the field of athletic training. Building on foundational theory, students will analyze and critique the clinical practices and philosophies of certified athletic trainers and/or other allied health professionals. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 7320 (42T:310). Clinical Teaching Skills in Allied Health Professions — 3 hrs.
Examination of issues and problems in teaching clinical proficiencies including the roles of clinical instructors, factors affecting teaching and the learning environment, learning over time, course planning, and teaching strategies. Prerequisite(s): Admission to the M.ATR. program. (Variable)

Education, Interdepartmental Courses

KAHHS 1020. Dimensions of Wellbeing Lecture — 1 hr.
Overall, the Dimensions of Wellbeing course is designed to prepare students for healthy, proactive lifestyles through lecture, experiential learning, and various physical and wellbeing activities. The core dimensions of wellbeing for the purposes of this course include: physical, emotional, interpersonal, intellectual, spiritual, and environmental wellbeing. The lecture sections of Dimensions are designed to provide an underlying knowledge base for specific wellness topics and themes with a unifying emphasis on how these dimensions are intertwined and linked to overall quality of life. Specific health consumerism and health behavior change topics are also covered across the spectrum of Dimensions of Wellbeing course offerings. This course may not be repeated for additional credit. If a student has already satisfied this portion of the LAC Category 1D Dimensions of Wellbeing, it will be considered a repeat. (Fall, Spring, Summer)

KAHHS 1030. Dimensions of Wellbeing Lab — 1 hr.
Overall, the Dimensions of Wellbeing course is designed to prepare students for healthy, proactive lifestyles through lecture, experiential learning, and various physical and wellbeing activities. The core dimensions of wellbeing for the purposes of this course include: physical, emotional, interpersonal, intellectual, spiritual, and environmental wellbeing. The laboratory sections of Dimensions are designed to apply specific skill-related knowledge, encourage healthy active lifestyles, and motivate students to learn and practice skills related to a wide spectrum of activities and experiences related to wellbeing dimensions. This course may not be repeated for additional credit. If a student has already satisfied this portion of the LAC Category 1D Dimensions of Wellbeing, it will be considered a repeat. (Fall, Spring, Summer)

Methods and materials in health education and physical education appropriate for children. No credit for students with credit in PEMES 2045 (420:045). No credit given to Physical Education or Health Education majors or minors. Prerequisite(s): EDPSYCH 2030 (200:030). (Fall and Spring)

KAHHS 6210. Quantitative Methods in KAHHS — 3 hrs.
Practical statistical applications commonly used in athletic training, health promotion and education, physical education, and leisure, youth and human services with a focus on the analysis and interpretation of data through the use of computer software packages. (Fall)

KAHHS 6215. Qualitative Methods — 3 hrs.
Application of qualitative methods of data collection and analysis to topics in athletic training, health promotion and education, physical education, and leisure, youth and human services. Prerequisite(s): SPED 6293 (220:293) or equivalent. (Variable)

Introduction to processes of research in health, physical education, and leisure services with an emphasis on critical analysis of literature, and identification of viable research projects. (Fall and Spring)

KAHHS 7329. Research and Evaluation Seminar — 1-6 hrs.
One hour taken each semester for six semesters for total of 6 hours. Applied approach to research and evaluation. Students plan and implement research and evaluation projects in athletic training, health promotion and education, youth development, leisure, and/or human services settings, working with teams of faculty and other students. Course content includes research methods, statistics, and writing for publication. Prerequisite(s): doctoral standing or consent of instructor. (Fall and Spring)

KAHHS 7365. Field Experience — 1-6 hrs.
Practical experience in leisure, youth and human services, health promotion and education, or athletic training. May be repeated to maximum of 6 hours with consent of student's advisor and graduate committee. (Fall, Spring, Summer)
KAHHS 7395. Internship — 1-6 hrs.
Practical experience in leisure, youth and human services with community agencies. May be repeated to maximum of 6 hours with consent of student’s advisor and graduate committee. Prerequisite(s): Consent of graduate committee. (Fall, Spring, Summer)

In-depth examination of current theories, philosophical foundations, history and current practices relevant to the allied health, recreation and community services fields. Building on foundational theory courses, students analyze and critique the organization and design of allied health, recreation and community services programs, based on setting and ideological model, in the U.S. and around the world. Students develop praxis design principles consistent with the developmental, normative focus of informal and formal education. Recommended for second year students. Prerequisite(s): consent of instructor. (Variable)

Second course in a two-course sequence that surveys allied health, recreation and community services practices and theories in a wide variety of out-of-school and co-curricular settings. Covers theories, models, and best practices in the delivery of services. Students analyze and critique the organization and design of allied health, recreation and community services programs, based on setting and ideological model, in the U.S. and around the world. Students develop praxis design principles consistent with the developmental normative focus of informal and formal education. Recommended for third year students. Prerequisite(s): KAHHS 7410. (Variable)

Health, Recreation and Community Services Courses

HRCS 4000. Professional Readiness Seminar — 3 hrs.
Professional readiness seminar builds academic, communication, and critical thinking skills needed to successfully meet the challenges you will encounter in the workplace. The focus of the course is on development of professional tools including portfolios, resumes, interviewing skills, relevant certifications, and internship placements. This course is a prerequisite to RTNL, AT and PH internship. Prerequisite(s): Senior standing, instructor consent. (Fall and Spring)

HRCS 6000. Foundations of Community Health and Recreation — 3 hrs.
Analysis of philosophical foundations and ethical principles related to community health and recreation. (Fall)

HRCS 6290. Research Methods in Health, Recreation and Community Services — 3 hrs.
This course discusses quantitative, qualitative and mixed method research design and procedures for topics in recreation, public health, and community services. Graduate students will compare different forms of qualitative and quantitative methodologies to determine the appropriate research approach for a selected topic. (Spring)

HRCS 6299. Research.
Fee assessed separately for laboratory materials and/or binding of thesis/research paper. Prerequisite(s): consent of department. (Fall, Spring, Summer)

Public Health Courses

PH 1101. Introduction to Public Health — 3 hrs.
Introduction to the public health activities concerned with the protection and care of the community; survey of the major specialties and populations of interest in the public health field; and exploration of ethical issues related to public health. (Fall and Spring)

PH 1410. Basic Nutrition — 3 hrs.
Study of nutrition in relation to maintenance of the body and nutrition across the lifespan. (Variable)

Exploring Careers in Public Health is a class designed to give students a better understanding of the various career paths in the field of Public Health. The focus will be hands-on experiences obtained through field trips, site visits, tours, volunteering, shadowing, observation hours, informational and networking interviews, and guest speakers. (Variable)

PH 2130. Epidemiology of Human Diseases — 3 hrs.
Systemic approach to study of human diseases emphasizing common physical disorders afflicting humans and the methods of both descriptive and analytical epidemiology to measure their presence and impact on the human population. (Fall and Spring)

PH 2160. Medical Terminology, Short Course — 2 hrs.
Basic terminology and abbreviations used in the medical field; including terms related to procedures, diagnoses, instrumentation, and medical specialties. Students needing NCTRC certification must take PH 2180. PH 2160 cannot be taken after earning credit in PH 2180. (Variable)

PH 2180. Medical Terminology — 3 hrs.
Comprehensive coverage of terminology and abbreviations used in the medical field; including terms related to procedures, diagnoses, instrumentation, and medical specialties. Course Includes pronunciation of terms and identification of spoken terms. (Variable)

PH 2420. Nutrition for Health Promotion — 3 hrs.
Provides basic knowledge of the fundamentals of nutrition, related diseases/conditions, and current nutritional issues encountered by health professionals. Prerequisite(s): PH 1410. (Spring)

PH 2430. Food and Nutrition Practicum — 2 hrs.
Understanding and applying nutritional knowledge is imperative for lifelong health and wellbeing. This course is designed to provide applied knowledge in building nutrition education skills and focuses on exposure and experiences related to food, nutrition, and health in a variety of individual, community-based and institutional settings. Prerequisite(s): PH 1410. (Variable)

PH 2520. Maternal and Infant Health — 3 hrs.
Provides an overview of maternal and child health concepts, issues and trends. Topics covered include conception, pregnancy, childbirth, lactation and public health, prevention, and epidemiological issues in maternal and infant health. (Fall)

PH 2530. Introduction to Women's Health — 3 hrs.
Survey of contemporary issues in women's health providing an understanding of women's personal health status, needs, and resources; awareness of women's health issues worldwide and the political, cultural, economic, and psychosocial factors which affect the health of women. (Fall)

PH 2540. Selected Topics in Women's Health — 3 hrs.
In-depth development and exploration of selected themes and topics in women's health. Focus on health issues that disproportionately affect women and examination of health issues, prevention programs, and strategies for health advocacy surrounding adolescent and adult unintended pregnancy, violence, substance abuse, and disordered eating through a feminist developmental perspective. (Variable)
PH 2620. Stress and Coping — 3 hrs.
Introduction to stress, the relationship between stress and disease, and strategies for coping with stress. Preference to Public Health majors. (Spring)

PH 2630. Aging and Health — 3 hrs.
Introduction to aging and health concerns of older individuals, and to broader issues of aging, health, and society. Study of aging demographics, biomedical aspects of aging, and selected issues of health and aging. Prerequisite(s): junior standing. (Variable)

PH 3030. Applied Food, Nutrition, and Health — 3 hrs.
Understanding and applying nutritional knowledge is imperative for lifelong health. This course involves critical and collaborative study of current and emerging issues in food and nutrition research as it impacts human health and disease. Evaluating, synthesizing, and interpreting nutrition research as it applies to public health through student collaboration is emphasized in the course. (Spring)

PH 3140/5140. Planning and Evaluating Public Health Programs — 4 hrs.
Investigation of the social, epidemiological, behavioral, educational, and administrative factors related to planning health programs and the procedures and methods for health program evaluation. Prerequisite(s): junior standing. (Fall and Spring)

PH 3150/5150. Implementation and Advocacy in Public Health Programs — 4 hrs.
Methods, techniques, and resources used in advocacy and implementing in public health programs. Requires field-based work. Prerequisite(s): PH 3140/5140; junior standing. (Fall and Spring)

PH 3160. Community and Public Health — 3 hrs.
Examination of the major public health issues facing the U.S. and world population. Investigation of major public health initiatives, public policy, and ethical issues related to public health. Prerequisite(s): junior standing. (Same as CAP 3160 (CAP:160)) (Variable)

PH 3170. Internship Seminar — 3 hrs.
The Public Health internship seminar course is a professional development oriented course which provides skills and abilities related to job-seeking, career, and field experiences. The focus is on development of professional tools including portfolios, resumes, interviewing skills, and relevant certifications. This course is a prerequisite to PH 4180 Internship. Prerequisite(s): consent of instructor. (Variable)

PH 3230. Drug Prevention Education for School Health Educators — 2 hrs.
The course is designed to provide school health educators with basic information, skills, and coursework relevant to drug prevention education. Coursework is relevant to the needs of a school health educator and can be implemented into the school health education classroom. (Spring)

Examination of role of the teacher in planning, delivering, and evaluating middle and high school health education; introduction of instructional methods and materials and their use demonstrated and practiced. Prerequisite(s) or corequisite(s): completion of Level II or corequisite (TEACHING 3128; EDPSYCH 3148 (200:148)). (Spring)

PH 3245. Secondary School Health Education Methods and Curriculum — 4 hrs.
Focus on the skills and knowledge needed to plan, organize, manage, implement, and evaluate appropriate health education instruction in the secondary classroom (grades 5-12). Field experiences in secondary school health education classrooms. Prerequisite(s) or corequisite(s): completion of Level II Sequence or corequisite (TEACHING 3128; EDPSYCH 3148 (200:148)). (Fall and Spring)

Methods of delivering instruction for Community and Public Health in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3260. Substance Abuse Prevention for School Health Educators — 3 hrs.
The course is designed to provide school health educators with basic information, skills, and coursework relevant to drug prevention education in the school setting. Coursework is relevant to the needs of a school health educator and can be implemented into the school health education setting. (Variable)

PH 3270. Mental and Emotional Health for School Health Educators — 3 hrs.
Methods of delivering instruction for Mental and Emotional Health in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3280. Sexuality Education for School Health Educators — 3 hrs.
Methods of delivering instruction for Sexuality Education in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3290. Consumer Health for School Health Educators — 3 hrs.
In the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3310/5310. Cultural Competency for the Helping Professions — 3 hrs.
Overview of the changing demographics in the United States, and discussion of how culturally competent health care can improve the wellbeing of underserved populations. Provides in-depth training in working in a culturally appropriate manner with multiple diverse populations in Iowa and the United States. Prerequisite(s): junior standing. (Fall and Spring)

PH 3320/5320. Global Service Mission — 3-6 hrs.
The Global Service Mission is a hybrid practicum that provides guided opportunities for students to conduct a short-term volunteer service project in their local community, around the United States, or internationally with underserved populations for academic credit. Offered credit/no credit basis only. May be repeated. Prerequisite(s): junior standing. (Variable)

PH 3330/5330. Minority Health — 3 hrs.
Exploration of public health issues and problems faced by members of minority populations. Includes public health field trips and cultural competency development experiences. Prerequisite(s): junior standing. (Variable)

PH 3340/5340. International Health — 3 hrs.
Exploration of widely-different disease patterns found between developed and developing countries, and investigation of the complex factors that contribute to poor community health status. Discussion of wellness strategies for populations in developing countries, as well as for minorities, immigrants, low income persons, and other underserved groups within the United States. Prerequisite(s): junior standing. (Variable)
PH 3640/5640. Worksite Health Promotion — 3 hrs.
Models of delivery of health promotion, disease prevention, and occupational health/safety programs to employee populations. Prerequisite(s): junior standing. (Fall)

PH 3650. Complementary, Alternative, and Integrative Health — 3 hrs.
Introduction to the concepts, theoretical basis, evidence-based analysis, and challenges and issues in integrative health and complementary and alternative medical practices (CAM). Integrative, alternative, and complementary medicine covers a broad range of healing philosophies, approaches, and therapies involving the use of holistic or culturally-specific health services and practices in the treatment of illness and disease and embraces an expanded concept of health and illness. Prerequisite(s): junior standing. (Same as CAP 3152 (CAP:152)) (Variable)

Selected learning and behavior change theories and ethical principles that serve as the foundation for effective public health, health promotion, and health education practice; emphasis on the practical application of these theories and principles in public health program delivery. Prerequisite(s): junior standing. (Variable)

PH 3670. Health Care and the Consumer — 2 hrs.
Selection and use of health care products and services, alternative health care, health care insurance systems, consumer protection. (Variable)

PH 3686. Readings — 1-4 hrs.
Credit based on student's proposal; to be determined at time of registration. Written contract will determine appropriate work load under credit guidelines. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

PH 3689. Seminar — 3 hrs.
Focus on issues in community health education and the transition from student role to health educator or health promotion specialist role. (Fall and Spring)

PH 3710/5710. Environmental Health Science — 3 hrs.
Comprehensive survey of the interaction between human health and the quality and state of the natural environment. Prerequisite(s): junior standing. (Same as ENV SCI 4665/5665 (830:165g)) (Fall and Spring)

PH 3720/5720. Environmental and Occupational Health Regulations — 3 hrs.
Overview of environmental and occupational safety laws applied to the practice of environmental science. Emphasis on application of the legislation with a focus on regulations. Includes major environmental laws such as the National Environmental Policy Act, Clean Air Act, Clean Water Act, and the Occupational Safety and Health Act. Prerequisite(s): junior standing. (Same as ENV SCI 4666/5666 (830:166g)) (Fall)

PH 3730/5730. Toxins and Health — 3 hrs.
This course introduces the basic principles of human toxicology for the environmental health sciences, including exposure assessment concepts, biomolecular and human biosystems impacts of toxicants. Detailed case studies of key toxins are used to examine the full absorption, distribution, metabolism and elimination (ADME) cycle including discussions of limiting exposures and cutting edge topics in toxicology. Prerequisite(s): junior standing. (Variable)

PH 3740/5740. Environmental Health, Field Methods, Technology, and Laboratory Applications — 3 hrs.
Strives to develop understanding and working knowledge of the basic tools of environmental health research and field methods. Students will develop skills and competencies related to basic laboratory methods and safety protocols, sampling, types of environmental epidemiology/health research study designs, and the types of mathematical tools employed by researchers practicing and working in this area. Prerequisite(s): junior standing. (Variable)

PH 4170. Senior Project — 3 hrs.
Senior Project compliments the internship requirement preparing students for future employment in public health organizations. Written report and oral presentation required after the completion of internship. Prerequisite(s): Senior standing; consent of Internship Coordinator. Corequisite(s): PH 4180. (Fall, Spring, Summer)

PH 4180. Internship — 1-12 hrs.
1 - 12 hrs. Experience in area of student's career objectives. Offered on credit/no credit basis only. Prerequisite(s): PH 3170; senior standing; consent of Internship Coordinator. CPR, First Aid, OSHA and Mandatory Reporting certificates required. Corequisite(s): PH 4170. (Fall, Spring, Summer)

PH 4663/5663. Human Diseases — 3 hrs.
Systemic approach to study of human diseases emphasizing common physical disorders afflicting humans while contrasting normal physiology with the pathophysiology of the conditions. Current trends in diagnosis and treatment, along with preventive and wellness measures, are stressed. Prerequisite(s): junior standing. (Fall and Spring)

PH 6220. Health Determinants — 3 hrs.
Students will integrate current research, theory, and empirical evidence to develop a better understanding of the determinants of health. Examines social, environmental, and individual determinants of health, and explores the linkages and pathways through which these factors operate. Prerequisite(s): graduate standing in Health Education or Public Health, or consent of instructor. (Variable)

PH 6245. Internship in Health Education — 2-6 hrs.
Health program experience with agencies other than the college or university. May be repeated once for credit. Prerequisite(s): consent of Health Promotion and Education Graduate Coordinator. (Fall, Spring, Summer)

PH 6285. Readings — 1-4 hrs.
May be repeated for maximum of 6 hours. Experience in area of student's career objectives. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

PH 6289. Seminar — 1 hr.
May be repeated for maximum of 6 hours. (Variable)

PH 6297. Practicum — 2-3 hrs.
May be repeated for credit. (Fall, Spring, Summer)

PH 6390. Philosophy and Ethics of Public Health and Health Promotion — 3 hrs.
Analysis of philosophical foundations and ethical principles related to public health, health promotion, and health education practice. (Variable)
Recreation, Tourism and Nonprofit Leadership Courses

Theories, principles, and practices of leisure, youth and human services leadership; techniques and methods of working with individuals and groups. (Variable)

RTNL 2110. Foundations of Community Parks and Recreation — 3 hrs.
Conceptual foundations of community parks and recreation including historical and philosophical foundations of the parks and recreation field, demand for and organization of different types of resources and services, and career and professional opportunities. (Spring)

RTNL 2120. Foundations of Tourism — 3 hrs.
Investigation of many roles travel and tourism play in contemporary society. Overview of the travel and tourism industry, examination of definitions of travel/tourism, and exploration of the history and development of tourism. (Fall)

RTNL 2130. Foundations of the Nonprofit Sector — 3 hrs.
Overview of the nonprofit sector including history, philosophy, mission, management, activities, and trends. Special emphasis on the affiliate agencies of the Nonprofit Leadership Alliance. Students earning a "C" or better simultaneously earn a certificate from the Iowa Nonprofit Resource Center. (Fall)

RTNL 2140. Foundations of Outdoor Recreation — 3 hrs.
Overview of development, implementation, and evaluation of outdoor recreation programs. Examination of benefits and challenges of outdoor recreation, with focus on outdoor leadership competencies. (Spring)

A survey and discussion of the practices associated with youth development from a historical and philosophical standpoint. An introduction of the various contexts and methods associated with youth development. (Spring)

RTNL 2160. Foundations of Therapeutic Recreation — 3 hrs.
In this course, you will learn about the field of therapeutic recreation/recreation therapy (TR/RT), study common disability conditions and the effect of these conditions on lifestyle and health, and explore the therapeutic use of recreation from a person-centered approach. In addition, you will gain volunteer experience in Special Olympic events. (Fall)

Professional development forum for experiential education and practical application in recreation, tourism and community services. Activities and programming designed for students seeking a Certified Nonprofit Professional (CNP) credential, as part of the Nonprofit Leadership Alliance program. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

RTNL 3030. Inclusive Recreation and Diversity in RTNL — 3 hrs.
Overview of interaction of leisure services and the elements of diversity (e.g., race/ethnicity, gender, age, and ability/disability). (Variable)

RTNL 3110. Management and Human Resources in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
An examination of the foundations associated with recreation, tourism and nonprofit leadership management and human resources, including marketing, legal aspects, fiscal responsibilities, and risk management. Students will be introduced to technological innovations associated with marketing and promoting recreation, tourism and nonprofit leadership management and human resources. Prerequisite(s): for Leisure, Youth and Human Services majors only: six credit hours of RTNL 21XX. (Fall and Spring)

Introduction to methods and procedures for planning, budgeting, implementing, and evaluating recreation, tourism and community service programs. Prerequisite(s): Prerequisites for Recreation, Tourism and Nonprofit Leadership majors; six (6) credit hours of RTNL 21XX. Prerequisites for non-Recreation, Tourism and Nonprofit Leadership majors: prerequisites waived. (Fall and Spring)

RTNL 3121. Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Examination of historical and philosophical foundations of recreation, tourism and nonprofit leadership, including leisure and play theory, leisure behavior and societal issues, leisure and the environment, and application of theories and behavioral concepts required to understand and manage services, activities, and environments. (Variable)

RTNL 3130. Marketing in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Core concepts of marketing in recreation, tourism and community services including promotion, management, planning, environment, research, consumer behavior, and market segmentation. Demand, supply and community based assets will be examined with a focus on marketing in Iowa and beyond. Prerequisite(s): Prerequisites for Recreation, Tourism and Nonprofit Leadership majors: six (6) credit hours of RTNL 21XX. Prerequisites for non-Recreation, Tourism and Nonprofit Leadership majors: prerequisites waived. (Fall and Spring)

RTNL 3280. Readings in Recreation, Tourism and Nonprofit Leadership — 1-3 hrs.
Individual reading and literature review in recreation, tourism and nonprofit leaderships. Credit to be determined at time of registration based on student's proposal. Prerequisite(s): junior standing; consent of instructor. (Fall, Spring, Summer)

Recruitment, hiring, management, performance evaluation, supervision and termination of staff, volunteers and board members. Emphasis on nonprofit and government personnel practices and procedures. (Variable)

RTNL 3338. Planning Strategies in Nonprofit and Youth Agencies — 3 hrs.
Examination and evaluation of various planning models used in nonprofit and youth agencies to meet the needs of participants. Emphasis on matching developmental needs to planning strategies and models. Prerequisite(s): junior standing or consent of instructor. (Variable)

RTNL 3340. Prevention & Intervention Programs in Youth Work — 3 hrs.
An exploration and discussion of the design, implementation and evaluation associated with prevention and intervention programs for youth in a variety of contexts. An introduction of the various types of programs that may aid in supporting youth during their developmental years. (Fall)

RTNL 3774. Conferences, Expositions and Conventions in Tourism — 3 hrs.
Exploration of the field of conferences, expositions, and conventions and their niche in the tourism industry. Study of organizational
logistics, program development, economic impact, meeting technology, legal issues, employment opportunities, and topics of current interest related to the field. Prerequisite(s): RTNL 2770 or consent of instructor. (Variable)

**RTNL 3777/5777. Special Events Management — 3 hrs.**
Planning and management of special events including research, coordination, marketing, and evaluation. Theories and practices relevant to successful event planning for host community residents and tourists. Prerequisite(s): junior standing. (Odd Springs)

**RTNL 3778/5778. Community Based Tourism — 3 hrs.**
Promotes student competencies that will enable them to assist small communities in tourism development through an organized planning process. Prerequisite(s): junior standing. (Even Springs)

**RTNL 3991/5991. Philosophical Ideologies of Therapeutic Recreation — 3 hrs.**
This course is a continuation of RTNL 2160 Foundations of Therapeutic Recreation and is designed to further develop the student's knowledge of therapeutic recreation principles and practices. The major emphasis of this course is for students to be familiar with the similarities and differences of common historical and philosophical foundations, including therapeutic recreation programming models of the profession. This course also includes the student developing an understanding of primary medical terminology used by therapeutic recreation specialists and other collaborating professionals in health and human services. Prerequisite(s): junior standing. (Odd Springs)

**RTNL 4210/5210. Nonprofit Leadership Practicum, Level II — 2 hrs.**
Leadership development forum embracing experiential education and practical application for activities in recreation, tourism and nonprofit leadership. Activities and programming designed for students seeking a Certified Nonprofit Professional (CNP) credential, as part of the Nonprofit Leadership Alliance program. May be repeated for a maximum of 6 hours. Prerequisite(s): RTNL 2210; junior standing; consent of instructor. (Fall and Spring)

**RTNL 4290/5290. Recreation, Tourism and Nonprofit Leadership Field Experience — 1-12 hrs.**
Supervised observation and leadership experience in recreation, tourism and nonprofit leadership. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

**RTNL 4310/5310. Areas and Facilities in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**
An introduction to the principles and procedures for planning, designing, managing, and evaluating recreation, tourism, park, and community service settings, areas and facilities. Prerequisite(s): Three (3) credit hours of RTNL 31XX or consent of instructor; junior standing. (Fall and Spring)

**RTNL 4320. Financial Resource Management in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**
Theory and practice of budget development, fundraising, financial control, and grant seeking in programs within recreation, tourism and nonprofit leadership. Prerequisite(s): Three (3) credit hours of RTNL 31XX; junior standing. (Fall and Spring)

**RTNL 4330/5330. Research and Evaluation in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**
Introduction to research, evaluation, needs assessment concepts, procedures, and analyses in recreation, tourism and nonprofit leadership. Prerequisite(s): Three (3) credit hours of RTNL 31XX; junior standing. (Fall and Spring)

**RTNL 4340. Seminar in Recreation, Tourism and Nonprofit Leadership — 2-3 hrs.**
Prepares students for internship and future employment in recreation, tourism and nonprofit leadership organizations. Focus on development of professional documentation (portfolio, resume, etc.), skills, and internship placement. Prerequisite(s): senior standing; consent of instructor. (Fall and Spring)

**RTNL 4510. Internship in Recreation, Tourism and Nonprofit Leadership — 1-12 hrs.**
Comprehensive practical experience in recreation, tourism and nonprofit leadership. RTNL majors must register for 9 hours. Offered on credit/no credit basis only. Prerequisite(s): senior standing; consent of Internship Coordinator. Corequisite(s): for Leisure, Youth and Human Services majors only: RTNL 4520. (Spring and Summer)

**RTNL 4520. Senior Project in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**
Programming, resource, or research project to be completed during internship. Written report and oral presentation required after the completion of internship. Prerequisite(s): senior standing; consent of Internship Coordinator. Corequisite(s): RTNL 4510. (Spring and Summer)

**RTNL 4552/5552. Theory and Practice of Outdoor Education — 3 hrs.**
Principles and practices of outdoor education and interpretation for teaching in schools, communities, nature centers, camps and parks. Focus on application in environmental education/adventure settings. Field trip(s) required. Prerequisite(s): junior standing. (Spring)

**RTNL 4553/5553. Trends and Issues in Outdoor Recreation — 3 hrs.**
Theory and practical application of current issues, concerns, and trends as they relate to the field of outdoor recreation. Covers some of the historical roots of the American wilderness movement, some of the philosophers who influenced that movement, and some of the major philosophical schools of thoughts that have influenced the way we consider wilderness. Prerequisite(s): junior standing. (Fall)

**RTNL 4554/5554. Managing Recreation Impacts on the Natural Environment — 3 hrs.**
Basic concepts and techniques used in planning, managing, and sustaining natural settings for human activities and experiences to ensure that negative impacts are minimized and opportunities for recreation are enhanced and sustainable. Psycho-social concepts of how parks and green spaces can have a positive effect on human health and well-being if properly designed and managed will also be explored. Prerequisite(s): junior standing. (Fall)

**RTNL 4556/5556. History of Outdoor Recreation — 3 hrs.**
Explores the history of outdoor recreation in the United States and its role in defining American identity by tracing its global roots, its production and management from the local to the federal level, and by examining controversies surrounding various recreational forms. Prerequisite(s): junior standing. (Same as HIST 4556/5556) (Fall)

**RTNL 4621/5621. Camp Staff Development — 2-8 hrs.**
Staff development and program planning principles, methods, and procedures used in the development of camp services. Lecture and lab. Offered on credit/no credit basis only. May be repeated for a maximum of 8 hours. Prerequisite(s): junior standing. (Spring)
RTNL 4623/5623. Field Experience in Camp Counseling — 1-12 hrs.
Supervised counseling experience in an organized camp. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

Actual administration of a camp program. Includes personnel supervision, program implementation, and evaluation of camp system. Lecture and lab. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

RTNL 4776/5776. Eco, Adventure and Sport Tourism — 3 hrs.
Study of special tourism such as eco, adventure and sport tourism. Dynamics of responsible tourist travel that conserves natural environments and sustains the well-being of local people. Definitions, objectives, and profiles of programs involved in eco, adventure, and sport tourism. Field trips required. Prerequisite(s): junior standing. (Odd Falls)

RTNL 4779/5779. Community Planning Workshop — 3-6 hrs.
Project-based community planning and research course. Provides applied research and communication skills to function creatively and competently in professional settings. Design and execution of planning projects that address recreation and tourism issues. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing. (Even Falls)

Assessment, programming, and evaluation methods/techniques used in providing therapeutic recreation to persons with disabilities. In particular, this course is designed to develop the student's knowledge and application of current TR/RT and intra-professional assessment instruments, interpretation and documentation of assessment results, creating individualized intervention plans with goals and measurable behavioral objective, and current TR/RT evaluation strategies. Prerequisite(s): consent of instructor; verified First Aid and CPR certification; junior standing. Corequisite(s): RTNL 4996/5996. (Even Springs)

RTNL 4996/5996. Intervention Techniques in Therapeutic Recreation — 3 hrs.
The study of intervention techniques for therapeutic recreation settings. In particular, this course is designed to develop the student's knowledge and application of theories of human behavior and principles of behavioral change, principles of group dynamics and leadership, contributions of play, recreation, and leisure to health and well-being, models of TR/RT service delivery and different modalities/interventions, facilitation approaches, and intervention techniques. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): RTNL 4995/5995. (Even Springs)

Knowledge and techniques for management of therapeutic recreation services. In particular, this course is designed to develop the student's knowledge and application of TR/RT organizational service plan of operation, quality improvements, personnel, intern, and volunteer management, budgeting and fiscal management, and public relations, promotion, and marketing. Prerequisite(s): junior standing. (Odd Springs)

This class is broken into three modules related to knowledge of evidence-based practices, cross-cultural competencies, and digital technology in therapeutic recreation. In particular, this course is designed to develop the student’s knowledge and application of digital technology, cultural competency, and clinical reasoning culminating in the selection of evidence based practice for specific diagnoses and conditions. (Odd Falls)

Historical and philosophical perspective for understanding leisure, leisure behavior, and professional practices in recreation, tourism and nonprofit leadership. (Variable)

Examination and analysis of current trends, issues, and social policy confronting practitioners in voluntary/not-for-profit, public, and commercial recreation, tourism and nonprofit leadership agencies. (Variable)

Exploration of socio-psychological dimensions of leisure as they affect recreation, tourism and nonprofit leadership practitioners and agencies, focusing on theories from sociology, psychology, and social psychology. (Spring)

Introductory course to the Philanthropy and Nonprofit Development program designed to give broad coverage for professionals and an overview of studies in philanthropy and nonprofit development. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program or consent of instructor. (Variable)

RTNL 6285. Readings — 1-6 hrs.
May be repeated for credit. (Fall, Spring, Summer)

RTNL 6295. Internship — 1-12 hrs.
Practical experience in recreation, tourism and nonprofit leadership with community agencies. May be repeated with consent of student's advisor. Prerequisite(s): consent of graduate committee. (Fall, Spring, Summer)

RTNL 6402. Strategic Program Management — 3 hrs.
Examination of concepts and theories of program management in recreation, tourism and nonprofit leadership, focusing on analysis of specific programming strategies as they relate to community organization theory using a systems approach. (Fall)

RTNL 6404. Marketing the Youth/Human Service Agency — 3 hrs.
Marketing strategies in implementing the exchange relationship between nonprofit organizations and their constituents. (Variable)

RTNL 6406. Fundraising and Grant Seeking for Nonprofit Agencies — 3 hrs.
Comprehensive study of various funding sources and the methodology of nonprofit organizations to secure resources. (Fall)

Financial function of the nonprofit agency incorporating technical materials applicable to the decision-making role of the agency. (Variable)
RTNL 6410. Evaluation, Research and Accountability — 3 hrs.
Survey of advanced nonprofit organization research methods.
Research in the area selected by student. Preparation and presentation
of research proposal or major paper. Prerequisite(s): admission into the
Philanthropy and Nonprofit Development graduate program or consent
of instructor. (Variable)

RTNL 6412. Management Issues in Recreation, Tourism and
Nonprofit Leadership — 3 hrs.
Study of management and administration issues in relation to
recreation, tourism and nonprofit leadership agencies. (Variable)

RTNL 6414. Models for Intervention With Youth — 3 hrs.
Develops understanding of the various models of intervention utilized
by professionals who work with youth in youth-serving agencies.
(Variable)

RTNL 6416. Youth Development in Nonprofit Organizations — 3
hrs.
Examination of concepts and theories of youth development, as related
to the design of programs and services for positive role development in
nonprofit youth organizations. (Variable)

RTNL 6418. Personnel Management and Supervision in Youth/
Human Services — 3 hrs.
Elements, processes, and dynamics of personnel management and
supervision as it is applied to youth/human services organizations,
with an emphasis on nonprofit agencies. (Variable)

RTNL 6420. Critical Thinking in Philanthropic and Nonprofit
Issues — 2 hrs.
Provides a forum for students to explore the latest trends in giving
and nonprofit management as framework for analyzing the trends
and issues in the field of philanthropy and nonprofit development is
provided. A guide for critical thinking and asking the right questions is
outlined giving students the tools to identify, analyze and summarize
current trends and issues of the nonprofit sector. Prerequisite(s):
admission into the Philanthropy and Nonprofit Development graduate
program or consent of instructor. (Variable)