

# Department of Health, Recreation and Community Services

**(College of Education)**

<https://coe.uni.edu/hrcc>

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)

(for all requirements for Doctor of Education see website [www.uni.edu/catalog/collegeofeducation](http://www.uni.edu/catalog/collegeofeducation))

**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. 6) -**

- **Undergraduate Major (B.A.)**
  - Athletic Training and Rehabilitation Studies (p. 6)
- **Minors**
  - Athletic Training and Rehabilitation Studies (p. 7)
- **Master of Athletic Training (M.A.T.R.)**

**Public Health (p. 10) -**

- **Undergraduate Major (B.A.)**
  - Public Health (p. 10)
- **Minors**
  - School (p. 11)Health Education-Teaching (p. 11)
  - Public Health (p. 11)
- **Program Certificates**
  - Health Care Administration for Business Majors (p. 12) (also listed in College of Business and Department of Economics)
  - Health Care Administration for Non-Business Majors (p. 13) (also listed in College of Business and Department of Economics)
  - Community Nutrition (p. 13)
  - Corporate Fitness (p. 14) (also listed in Department of Kinesiology)
  - Environmental Health (p. 14)

- Global Health and Humanitarian Assistance (p. 14)
- Health and Social Services (p. 14)
- Women's Health (p. 15)

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

- **Undergraduate Major (B.A.)**
  - Recreation, Tourism and Nonprofit Leadership (p. 15)
- **Minor**
  - Recreation, Tourism and Nonprofit Leadership (p. 16)
- **Graduate Major (M.A.)**
  - Community Health and Recreation (p. 17)
- **Program Certificates**
  - Nonprofit Leadership (p. 18)
  - Outdoor Recreation (p. 18)
  - Tourism (p. 19)
  - Youth Work in Religious Settings (p. 19) (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*

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 <https://admissions.uni.edu/application>.

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)	24
Advanced Professional Study (in one of three areas of intensive study)	15
Dissertation	9
<b>Total Hours</b>	<b>48</b>

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.

## Department of Health, Recreation and Community Services

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 provide 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](http://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](http://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](http://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 in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not declare another major or minor in biology.*
- *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**

BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science*	3
CHEM 1110	General Chemistry I	4
EARTHSCI 1300	Introduction to Geology	4
or		
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
EARTHSCI 3330/5330	Geomorphology	4
GEOG 2260	Environmental Resource Management	3
GEOG 2410	Geographic Information Systems I	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
HIST 4170/5170	U.S. Environmental History	3
<b>Total Hours</b>		<b>31</b>

\* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 and CHEM 1120 prerequisites for enrollment into BIOL 3100.

**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**

BIOL 4168/5168	Ecology**	4
CHEM 1120	General Chemistry II §	4
MATH 1140	Precalculus	3-4
or STAT 1772	Introduction to Statistical Methods	

**Electives: 20**

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

BIOL 4105/5105	Wildlife Ecology and Management**
BIOL 4108/5108	Biodiversity Conservation Policy**
BIOL 4167/5167	Conservation Biology**
BIOL 4180/5180	Restoration Ecology**

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

BIOL 3112	Invertebrate Zoology*
BIOL 3118	Marine Biology*
BIOL 3160	Field Zoology of Vertebrates*
BIOL 3170	Entomology*
BIOL 4157/5157	Biostatistics**
BIOL 4164/5164	Mammalogy**
BIOL 4166/5166	Plant Systematics**
BIOL 4172/5172	Developmental Plant Anatomy**
GEOG 4310/5310	GIS Applications: (Variable Topic)
GEOG 3410	Geographic Information Systems II

**Category C - Cognates (pick at least 1 course)**

EARTHSCI 1200	Elements of Weather
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers^
GEOG 2210	Modern Climate Change: Evidence and Predictions
GEOG 2240	Natural Hazards and Disasters
GEOG 2270	Science of Scenery
GEOG 3179	Cooperative Education in Geography^
or BIOL 3179	Cooperative Education
or EARTHSCI 343	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
GEOG 3220	Environmental Geography: Variable Topic^
GEOG 3380	Remote Sensing of the Environment
GEOG 4220/5220	Soils and Landscapes
GEOG 4240/5240	The Ice Age^
GEOG 4250/5250	Laboratory Methods in Environmental Geography
MGMT 3183	Leadership Skills^
MGMT 3185	Project Management^
RTNL 2120	Foundations of Tourism
RTNL 4553/5553	Trends and Issues in Outdoor Recreation
RTNL/HIST 4556	History of Outdoor Recreation

**Total Hours 31-32**

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- \* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 and CHEM 1120 for BIOL 3000-level courses.
- \*\* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.
- § Students pursuing the Ecosystems track can take CHEM 1110 and CHEM 1120 (8 credits) OR CHEM 1130 (5 credits). CHEM 1130 is designed for students with exceptional preparation in Chemistry. Taking CHEM 1130 changes the total degree requirement from 62-63 credit hours to 59-60 credit hours.
- ^ These courses have additional prerequisites as follows:  
 ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.  
 GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.  
 GEOG 4240/5240 has prerequisites of GEOG 1210; GEOG 2210; EARTHSCI 1300; or consent of instructor; junior standing.  
 MGMT 3183 has a prerequisite of MGMT 3965/5965.  
 GEOG 3179 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**

Primary Focus - Content Related Courses		21
EARTHSCI 1200	Elements of Weather	
EARTHSCI 3350/535	Environmental Hydrology ^	
EARTHSCI 3322	Earth Materials ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic * ^	

or

EARTHSCI 3345/534	Environmental Geology ***	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
<b>Secondary Focus - Management Cognates</b>		<b>9</b>
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4180/5180	Restoration Ecology **	
EARTHSCI 3325/5325	Sedimentary Geology ****	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
ECON 3225/5225	Environmental Economics ^	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 4170/5170	Climate Action Planning	
GEOG 4240/5240	The Ice Age *	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic) ^	
GEOG 3410	Geographic Information Systems II	
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	Public Budgeting ^	
BIOL 3179	Cooperative Education ^	
or GEOG 3179	Cooperative Education in Geography	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
<b>Total Hours</b>		<b>30</b>

- \* For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 and GEOG 1211 or EARTHSCI 1300 as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 and GEOG 3410.
- \*\* The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4105/5105 and BIOL 4180/5180.
- \*\*\* The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as substitutes for courses that require EARTHSCI 1300.

\*\*\*\* The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 for EARTHSCI 3325/5325.

# 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.  
 EARTHSCI 3350/5350 has prerequisites of EARTHSCI 1300; junior standing.  
 GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.  
 ECON 3225/5225 has prerequisites of ECON 1041, ECON 1051; junior standing.  
 ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.  
 GEOG 4310/5310 has prerequisites of GEOG 2410; junior standing.  
 GEOG 3410 has prerequisites of GEOG 2410 or consent of instructor; junior standing.  
 POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.  
 GEOG 3179 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.

**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 21**

GEOG 2210	Modern Climate Change: Evidence and Predictions
GEOG 4170/5170	Climate Action Planning
GEOG 2240	Natural Hazards and Disasters
PH 3720/5720	Environmental and Occupational Health Regulations
RTNL 2130	Foundations of the Nonprofit Sector
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment
RTNL/HIST 4556	History of Outdoor Recreation

RTNL 4776/5776	Eco, Adventure and Sport Tourism	
<b>Secondary Focus - Cognates</b>		<b>9</b>
BIOL 4167/5167	Conservation Biology **	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
ENGLISH 4775/5775	Applied Writing: Specialized Documents ^	
	or ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers
PH 3710/5710	Environmental Health Science	
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	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
GEOG 3179	Cooperative Education in Geography ^	
	or BIOL 3179	Cooperative Education
	or EARTHSCI 3430	Internship
	or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
	or PH 4180	Internship
Other courses as approved by advisors and program director		
<b>Total Hours</b>		<b>30</b>

\* \* The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4167/5167.

\*\* \*\* 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 has prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing.  
 ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.  
 POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.

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GEOG 3179 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.

or RTNL 4510 Internship in Recreation, Tourism and Nonprofit Leadership  
or PH 4180 Internship

Other courses as approved by advisors and program director

**Total Hours** **32**

- \* \* The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as a substitute for courses that require EARTHSCI 1300.
- \*\* \*\* The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 as a prerequisite for enrollment into EARTHSCI 3250/5250.
- \*\*\* \*\* The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 for EARTHSCI 3325/5325.
- ^ ^ These courses have additional prerequisites as follows:  
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.  
EARTHSCI 3240/5240 has prerequisites of EARTHSCI 1200; junior standing.  
EARTHSCI 3250/5250 has prerequisites of EARTHSCI 1200; junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230.  
GEOG 3179 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.

### 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

ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 3225/5225	Environmental Economics	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3

#### Primary Focus - Content Related Courses 10

EARTHSCI 1200	Elements of Weather	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/5230	Air Quality ^	
EARTHSCI 3345/5345	Environmental Geology *	
or		
GEOG 3220	Environmental Geography: Variable Topic	
EARTHSCI 3350/5350	Environmental Hydrology *	

#### Secondary Focus - Cognates 7

EARTHSCI 3240/5240	Air Quality Modeling ^	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/5325	Sedimentary Geology ***	
EARTHSCI 3355/5355	Hydrogeology *	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 3380	Remote Sensing of the Environment	
PH 3710/5710	Environmental Health Science	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
MGMT 3153	Organizational Management *	
MGMT 3185	Project Management ^	
POL AMER 1048	Current and Emerging Issues in Public Administration	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	

## 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 UNIFI/General Education 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](http://www.uni.edu/athletic-training).

Required Core:

<b>Athletic Training:</b>		
AT 1010	Introduction to Athletic Training & Clinical Healthcare	3
AT 2000	Clinical Healthcare Experience	1
AT 3020	Clinical & Gross Human Anatomy	3
AT 3030	Acute Care	3
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	3
AT 3050	Foundations of Orthopedic Injury Assessment & Pathology II	3
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	3
AT 4130	General Medical Conditions	3
AT 4160	Evidence Based Practice in Health Care	3
<b>Biology:</b>		
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3101	Anatomy and Physiology I *	4
BIOL 3102	Anatomy and Physiology II	4
<b>Chemistry and Biochemistry:</b>		
CHEM 1110	General Chemistry I	4
<b>Mathematics:</b>		
STAT 1772	Introduction to Statistical Methods	3
<b>Physics:</b>		
PHYSICS 1511	General Physics I	4
<b>Electives:</b>		
Select a minimum of 3 hours of the following:		3
<b>Athletic Training &amp; Rehabilitation Studies:</b>		
AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 2000	Clinical Healthcare Experience (up to one credit can be applied as a major elective, after core requirement is fulfilled)	
AT 3300	Gross Human Anatomy	
<b>Public Health:</b>		
PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	
PH 2160	Medical Terminology, Short Course	

PH 2420 Nutrition for Health Promotion \*\*

PH 3310/5310 Cultural Competency for the Helping Professions

PH 3330/5330 Minority Health

PH 3340/5340 International Health

**Kinesiology:**

KINES 3151 Biomechanics \*\*\*

KINES 3153 Physiology of Exercise

KINES 3157 Sports Nutrition

**Total Hours 51**

\* BIOL 3101 Anatomy and Physiology I prerequisites are not required for Athletic Training & Rehabilitation Studies majors.

\*\* PH 2420 has a prerequisite of PH 1410.

\*\*\* KINES 3151 has a prerequisite of KINES 2050 or equivalent.

## 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 four of the following: 12

AT 1010 Introduction to Athletic Training & Clinical Healthcare

AT 3020 Clinical & Gross Human Anatomy

AT 3030 Acute Care

AT 3040 Foundations of Orthopedic Injury Assessment & Pathology I

AT 4070 Foundations of Therapeutic Interventions & Rehabilitation

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AT 4130	General Medical Conditions	3
Elective (select a minimum of 3 hours of the following):		
Athletic Training		
AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 3300	Gross Human Anatomy	
Public Health		
PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	
PH 2160	Medical Terminology, Short Course	
PH 2420	Nutrition for Health Promotion	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
Kinesiology		
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 3157	Sports Nutrition	
<b>Total Hours</b>		<b>15</b>

## Master of Athletic Training Degree

### Academic Standard Policy

#### Major Requirements

**General Explanation:** UNI offers a Professional Graduate Athletic Training major or a Master of Athletic Training (MATR), 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 Master 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 <https://admissions.uni.edu/application>. Applications will begin to be reviewed no later than October 1 of each year.

The Master of Athletic Training curriculum is offered as a 2-year standalone plan, as well as a 3+2 combined plan with the B.A. in Athletic Training & Rehabilitation Studies degree. The 3+2 program is highly demanding and has a strict curricular plan that must be followed in order for students to complete both an undergraduate and graduate degree in five years. Athletic training faculty advisors will work closely with students to ensure successful progression. Students will apply to the MATR program in the fall of year three. With admission to the MATR program, the courses that will be applied

to the master's degree will begin in the summer following year three. Students will complete their master's degree after completion of the spring semester of year five. Although the entry points will differ between the 2-year standalone and 3+2 students, the curriculum will be the same and the students will complete the graduate program as a cohort, regardless of entrypoint. **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.** Students must contact the athletic training program director for more information regarding which plan of study is best for them.

- Prerequisite courses required:** A Bachelor's degree must be earned prior to entry into the Master 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. 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.
- Application requirements for all students:** To be admitted to the UNI Master 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.**
  - Achieved a bachelor's degree
  - Completion of course prerequisites as listed above
  - Application forms: UNI Admissions Office
  - 50 hours of athletic training observation experience
  - Technical standards form
  - Criminal background check
  - 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.
  - Undergraduate cumulative GPA of 3.0 or greater
  - Personal statement
  - Three letters of recommendation
- Application Process:**
  - Obtain the application documents from the Admissions website
  - Submit all materials to Graduate Admissions
  - Students must be admitted prior to the beginning of the summer session in order to join that year's cohort
- A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.
- Upon acceptance into the Master of Athletic Training program, a student must do the following within 30 days of notification of acceptance:
  - Send a letter of acceptance via email to the Athletic Training Graduate Program Director.
  - 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 Master 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 Master 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](http://www.uni.edu/athletic-training).

### Athletic Training Major

The Master of Athletic Training major requires a minimum of 54 total hours to graduate.

The Master 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 54 semester credit hours** is required. The non-thesis option requires 3 hours of AT 6299. **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 course grade will remain on the student record, and the grade of the second course attempt will be used in the computation of the GPA.**

Prerequisite Core:	26
BIOL 2052	General Biology: Cell Structure and Function 4

BIOL 3101	Anatomy and Physiology I (or equivalent)	4
BIOL 3102	Anatomy and Physiology II (or equivalent)	4
CHEM 1110	General Chemistry I	4
PHYSICS 1511	General Physics I	4
STAT 1772	Introduction to Statistical Methods	3
PSYCH 1001	Introduction to Psychology	3
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 4030/5030	Advanced Acute Care in Athletic Training	3
AT 4032/5032	Advanced Acute Care Clinical Skills	1
AT 6060	Athletic Training Organization & Professional Responsibility	3
AT 4270/5270	Advanced Therapeutic Interventions I	3
AT 4072/5072	Advanced Therapeutic Interventions I Clinical Skills	1
AT 6080	Advanced Therapeutic Interventions II	3
AT 6082	Advanced Therapeutic Interventions II Clinical Skills	1
AT 4100/5100	Advanced Clinical Anatomy	3
AT 6130	General Medical Assessment & Intervention	3
AT 4550/5550	Advanced Athletic Training Clinical Skills	2
AT 4210/5210	Pathoetiology and Orthopaedic Assessment I	3
AT 4215/5215	Pathoetiology and Orthopaedic Assessment I Clinical Skills	1
AT 6220	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	Gross Human Anatomy & Orthopedic Surgical Interventions	3
AT 6275	Mental Health Care in Athletic Training Practice	3
Research: 3 credit hours (Non-thesis)		
AT 6299 Research		3
Total hours		54-56

## 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 UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. UNIFI/General Education 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 (REHS) exam. 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 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 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)

PH 1101	Introduction to Public Health	3
PH 1410	Basic Nutrition	3
PH 2130	Epidemiology of Human Diseases	3

PH 3170	Internship Seminar	3
or HRCS 4000	Professional Readiness Seminar	
PH 3310/5310	Cultural Competency for the Helping Professions	3
PH 3710/5710	Environmental Health Science	3
PH 4170	Senior Project	3
PH 4180	Internship (3 hrs. EHS or 6 hrs. CH )	3 or 6

#### 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	Principles of Microbiology	4
BIOL 2052	General Biology: Cell Structure and Function	4

##### Chemistry:

CHEM 1010	Principles of Chemistry	4
CHEM 2040	Applied Organic and Biochemistry	4

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

(CHEM 1110 AND CHEM 1120 OR CHEM 1130 can be substituted for CHEM 1010. CHEM 2210 AND CHEM 2220 can be substituted for CHEM 2040. BIOL 3151 can be substituted for BIOL 1033.

#### Community Health Core (CH):

PH 3140/5140	Planning and Evaluating Public Health Programs	4
PH 3150/5150	Implementation and Advocacy in Public Health Programs	4

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

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	
<b>Total CH: 27 credits (core) + 14 credits (track)</b>		<b>41</b>

## 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	3
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Applied Human Sciences, School of:

FAM SERV 1057	Human Relationships and Sexuality	3
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Public Health:

CAP/PH 3160 or PH 1101	Community and Public Health Introduction to Public Health	3
PH 2620 or EDPSYCH 4118/5118	Stress and Coping Mental Health and Well-Being in the Classroom	3

PH 3230 or PSYCH 3102/5102 or SW 4171/5171	Drug Prevention Education for School Health Educators Drugs and Individual Behavior Addictions Treatment	2-3
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Kinesiology:

KINES 2053 or PH 1410	Physical Activity and Nutrition for Health and Fitness Basic Nutrition	3
KAHHS 1020 or KAHHS 1030 or PH 3670	Dimensions of Wellbeing Lecture Dimensions of Wellbeing Lab Health Care and the Consumer	1-2

Electives: remaining hours of health-related electives for the 5-12 endorsement

Approved electives:

EDPSYCH 2030	Dynamics of Human Development	
KINES 2019	First Aid and CPR for Physical Educators	
KINES 2050	Anatomy and Physiology of Human Movement	
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 4152	Adapted Physical Education	

Other electives approved by the Public Health program.	
<b>Total Hours</b>	<b>25</b>

#### K-8 Health Endorsement #137

Methods course:

KAHHS 2045	Health and Physical Education for Elementary Teachers	3
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Applied Human Sciences, School of:

FAM SERV 1020	Family Relationships	3
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Public Health:

CAP/PH 3160 or PH 1101	Community and Public Health Introduction to Public Health	3
PH 2620 or EDPSYCH 4118/5118	Stress and Coping Mental Health and Well-Being in the Classroom	3

PH 3230 or PSYCH 3102/5102 or SW 4171/5171	Drug Prevention Education for School Health Educators Drugs and Individual Behavior Addictions Treatment	2-3
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Kinesiology:

KINES 2053 or PH 1410	Physical Activity and Nutrition for Health and Fitness Basic Nutrition	3
KAHHS 1020 or KAHHS 1030 or PH 3670	Dimensions of Wellbeing Lecture Dimensions of Wellbeing Lab Health Care and the Consumer	1-2

Electives: Remaining hours of health-related electives for the K-8 endorsement

Approved electives:

EDPSYCH 2030	Dynamics of Human Development	
KINES 2019	First Aid and CPR for Physical Educators	
KINES 2050	Anatomy and Physiology of Human Movement	
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 4152	Adapted Physical Education	

Other electives approved by the Public Health program.

**Total hours** 26

### Public Health Minor

Required:

Public Health:		
PH 1101	Introduction to Public Health	3
PH 1410	Basic Nutrition	3
PH 2130	Epidemiology of Human Diseases	3
PH 3140/5140	Planning and Evaluating Public Health Programs	4
PH 3150/5150	Implementation and Advocacy in Public Health Programs	4

## Department of Health, Recreation and Community Services

PH 3710/5710	Environmental Health Science	3
<b>Total Hours</b>		<b>20</b>

### 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 Health Care Administration for Business Majors

The interdisciplinary Health Care Administration 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:

<b>Accounting:</b>		
ACCT 2120	Principles of Financial Accounting	3
<b>Economics:</b>		
ECON 2140	Health Economics	3
<b>Public Health and Education:</b>		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
<b>Electives (one of the following):</b> 3		
ECON 1001	Economics of Social Issues *	
ECON 2112	Intermediate Microeconomic Theory	
ECON 3217/5217	Economics of Labor Markets	
ECON 3371	Economic and Business Forecasting	
POL AMER 1048	Current and Emerging Issues in Public Administration	
<b>Electives (two of the following):</b> 6		
<b>Anthropology:</b>		
ANTH 3102/5102	Culture, Disease, and Healing **	
<b>Capstone courses:</b>		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	

#### Criminology:

CRIM 3369	Drugs and Society **
<b>Family Services:</b>	
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias
<b>Finance:</b>	
FIN 3050	Risk Management and Insurance
<b>Gerontology:</b>	
GERO/FAM SERV 2111	Families and End of Life Issues
GERO 4170/5170	Long Term Care Administration
<b>Philosophy:</b>	
PHIL/RELS 3110	Perspectives on Death and Dying
<b>Psychology:</b>	
PSYCH 3303/5303	Health Psychology **
<b>Public Health and Education:</b>	
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 3340/5340	International Health
PH 3720/5720	Environmental and Occupational Health Regulations
<b>Sociology:</b>	
SOC 3035/5035	Social Gerontology **
SOC 3086/5086	Medical Sociology **

**Total Hours** **21**

\* Course can be used to satisfy the Responsibility requirement in the UNIFI/General Education program.

\*\* The following courses have additional prerequisites:  
 ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 can be used to satisfy the Human Condition - Domestic requirement in the UNIFI/General Education program. ANTH 1002 can be used to satisfy the Human Condition - Global requirement in the UNIFI/General Education program.  
 CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.  
 PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.  
 SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 and SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

## Certificate in Health Care Administration for Non-Business Majors

The interdisciplinary 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	Principles of Financial Accounting	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Elective(s) from the following (select one if major or minor requires no economics; select two if major or minor requires economics):		3-6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing *	
Capstone courses:		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/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	Risk Management and Insurance	
Gerontology:		
GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Political Science:		

POL AMER 1048	Current and Emerging Issues in Public Administration
Psychology:	
PSYCH 3303/5303	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 3340/5340	International Health
PH 3720/5720	Environmental and Occupational Health Regulations
Sociology:	
SOC 3035/5035	Social Gerontology *
SOC 3086/5086	Medical Sociology *

**Total Hours** **18-21**

\* The following courses have additional prerequisites: ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 or ANTH 1002 can be used to satisfy UNIFI/General Education requirements. CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program. PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program. SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 or SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

## 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
Psychology:		
PSYCH 1001	Introduction to Psychology *	3
Electives: (choose one course from the following)		3
PSYCH 3303/5303	Health Psychology	

PSYCH 3502/5502 Motivation and Emotion

**Total Hours** 17

\* PSYCH 1001 satisfies the Human Condition (Domestic) requirement of the UNIFI/General Education program.

### 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:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3153	Physiology of Exercise	3
KINES 3156	Fitness Assessment and Programming	3
Public Health:		
PH 3640/5640	Worksite Health Promotion	3
Electives (choose one from the following):		
KINES 3157	Sports Nutrition *	3
PH 1410	Basic Nutrition	3

**Total Hours** 15

\* KINES 3157 has a prerequisite of KINES 2053 and KINES 3153. 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 3710/5710	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
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 Health and Social Services

The purpose of this certificate is to provide an overview of issues and topics relevant to students who are interested in providing social services or health education to individuals in public health and healthcare settings.

This certificate is designed for undergraduate students who are preparing to work with persons of varied demographic backgrounds in health-related settings such as clinics, hospitals, and other organizations working to promote public health.

Examples of related majors include Social Work, Public Health, Sociology, Spanish, Family Services, Psychology, Criminology, Anthropology, Communication Studies, Education, Management, Public Administration, Public Policy, and Political Science, Gerontology, Communication Sciences and Disorders.

Required:

PH 1101	Introduction to Public Health	3
SW 1001	Introduction to Social Work and Social Services	3

One elective course from the following: 3

FAM SERV 2111	Families and End of Life Issues	3
FAM SERV 3150/5151	Families and Aging *	3
PH 2520	Maternal and Infant Health	3
PH 2530	Introduction to Women's Health	3
PH 2630	Aging and Health	3
PH 3330/5330	Minority Health	3
PSYCH 3204/5204	Psychology of Aging	3
SOC 2030	Sociology of Families *	3
SOC 3035/5035	Social Gerontology *	3
SOC 3086/5086	Medical Sociology *	3
SOC 4052/5052	Childhood Inequalities *	3
SW 4173/5173	Social Services for Older Adults	3

One elective course from the following: 3

ANTH 3102/5102	Culture, Disease, and Healing *	3
FAM SERV 1055	Human Growth and Development	3
PH 2420	Nutrition for Health Promotion *	3
PH 2620	Stress and Coping	3
PH 3310/5310	Cultural Competency for the Helping Professions	3
PH 3730/5730	Toxins and Health	3
PH 4663/5663	Human Diseases	3
PHIL 3110	Perspectives on Death and Dying	3
PHIL 3510/ CAP 3173/ RELS 3510	Bio-Medical Ethics	3
PSYCH 3303/5303	Health Psychology *	3
SOC 3087/5087	Society and Mental Illness *	3

## 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 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 UNIFI/General Education 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

SW 2045	American Racial and Minoritized Populations	
SW 4164	Human Behavior and the Social Environment *	
SW 4171/5171	Addictions Treatment	
<b>Total Hours</b>		<b>12</b>

- \* The following courses have prerequisites:  
 PH 2420 has a prerequisite of PH 1410.  
 SOC 2030, SOC 3035/5035, SOC 3086/5086, SOC 3087/5087, and SOC 4052/5052 have a prerequisite of SOC 1000 or SOC 1060.  
 SW 4164 has a prerequisite of a Biology course (BIOL 1014 preferred).  
 FAM SERV 3150/5150 has a prerequisite of FAM SERV 1020 and FAM SERV 1055 or PSYCH 2202.  
 ANTH 3102/5102 has a prerequisite of SOC 1000 or ANTH 1002.  
 PSYCH 3303/5303 has a prerequisite of PSYCH 1001.

### 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	Women's and Gender Studies: Introduction	3
Electives (choose one from the following):		
COMM 4346/5346	Gender Issues in Communication	
PH 2630	Aging and Health	
PH 3650	Complementary, Alternative, and Integrative Health	
PSYCH 2201	Psychology of Gender *	
SOC SCI 1020	Women, Men, and Society	
<b>Total Hours</b>		<b>15</b>

- \* PSYCH 2201 has a prerequisite of PSYCH 1001.

## Department of Health, Recreation and Community Services

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

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	

Required:

RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	3
RTNL 3120	Programming for Recreation, Tourism and Nonprofit Leadership	3
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4330/5330	Research and Evaluation in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4340	Seminar in Recreation, Tourism and Nonprofit Leadership	3
or HRCS 4000	Professional Readiness Seminar	
RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	9
RTNL 4520	Senior Project in Recreation, Tourism and Nonprofit Leadership	3
Select nine hours from the following:		9
RTNL 2210	Nonprofit Leadership Practicum, Level I	
RTNL 3280	Readings in Recreation, Tourism and Nonprofit Leadership	
RTNL 3340	Prevention & Intervention Programs in Youth Work	
RTNL 3777/5777	Special Events Management	
RTNL 3778/5778	Community Based Tourism	

RTNL 3991/5991	Philosophical Ideologies of Therapeutic Recreation	
RTNL 4210/5210	Nonprofit Leadership Practicum, Level II*	
RTNL 4290/5290	Recreation, Tourism and Nonprofit Leadership Field Experience	
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	
RTNL 4621/5621	Camp Staff Development	
RTNL 4623/5623	Field Experience in Camp Counseling	
RTNL 4625/5625	Camp Management Systems	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
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	
RTNL 4998/5998	Technology, Cross-Cultural, and Evidence-based 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.

### Recreation, Tourism and Nonprofit Leadership Minor

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	
Select six (6) credit hours from the following:*		6
RTNL 3340	Prevention & Intervention Programs in Youth Work	
RTNL 4210/5210	Nonprofit Leadership Practicum, Level II	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	
RTNL 4330/5330	Research and Evaluation in Recreation, Tourism and Nonprofit Leadership	
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	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
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	
RTNL 4998/5998	Technology, Cross-Cultural, and Evidence-based Practices in Therapeutic Recreation	
<b>Total Hours</b>		<b>18</b>

\* 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 <https://admissions.uni.edu/application>.

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:

PH 3310/5310	Cultural Competency for the Helping Professions	3
HRCS 6000	Foundations of Community Health and Recreation	3
KAHHS 6210	Quantitative Methods in KAHHS	3
KAHHS 6290	Research Methods for KAHHS	3
One of the following:		3
RTNL 6201	Social Policy and Issues in Recreation, Tourism and Nonprofit Leadership	
RTNL 6202	Social Psychology of Leisure	

Required:

HRCS 6299	Research	3 or 6
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Thesis option (6 hrs.)

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Non-thesis option (3 hrs.)

Electives (select 15 hours from the following for non-thesis track or 12 hours for the thesis track)

PH 3320/5320	Global Service Mission
PH 3330/5330	Minority Health
PH 3140/5140	Planning and Evaluating Public Health Programs
PH 4393/5393	Epidemiological Methods, Research Design, and Analysis
PH 3640/5640	Worksite Health Promotion
PH 3660/5660	Public Health Theory
PH 3340/5340	International Health
PH 3710/5710	Environmental Health Science
PH 3720/5720	Environmental and Occupational Health Regulations
PH 3730/5730	Toxins and Health
PH 6220	Health Determinants
RTNL 6402	Strategic Program Management
RTNL 6404	Marketing the Youth/Human Service Agency
RTNL 6408	Financial Decision Making for Youth/Human Service Agencies
RTNL 6412	Management Issues in Recreation, Tourism and Nonprofit Leadership
RTNL 6414	Models for Intervention With Youth
RTNL 6416	Youth Development in Nonprofit Organizations
RTNL 6418	Personnel Management and Supervision in Youth/Human Services

**Total hours thesis option 33**

**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.

### Nonprofit Leadership 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:

RTNL 2130	Foundations of the Nonprofit Sector	3
RTNL 2210	Nonprofit Leadership Practicum, Level I	2
RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	3
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
or ACCT 2120	Principles of Financial Accounting	

**Total Hours 14**

### 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:		3
RTNL 2140	Foundations of Outdoor Recreation	

Select 9 credits from the following: 9

Recreation, Tourism and Nonprofit Leadership:		
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	Prevention and Care of Athletic Injuries*	
AT 1019	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**

\* Students can only take one lecture (KAHHS 1020) and one lab (KAHHS 1030). If students have completed the Dimensions requirements, students can then enroll in the above RTNL activity courses that are listed as RTNL 1AXX or 1BXX.

\* AT 1018 has a prerequisite of KINES 2050.  
AT 1019 has a prerequisite of AT 1018.

## 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**

\* If student has successfully completed MKTG 2110 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 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): 6

RELS 1510 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/PHIL 2550 Environmental Ethics

RELS/PHIL 2570 Good Sex: The Ethics of  
Human Sexuality

RELS/PHIL 3110/  
CAP 3194 Perspectives on Death and  
Dying

RELS 3120 Myth and Symbol

RELS 3140 Religion and Its Critics

RELS 3150 Women and Christianity

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RELS/CAP 3157	Monsters, Vampires, and Religion: An Awesome Alliance
RELS 3180	Religion and Politics: (Topics)
RELS 3500	Religion and Ethics
RELS/PHIL 3510/ CAP 3173	Bio-Medical Ethics
RELS 4230/ HIST 4250/5250	Religion in America
RELS 4490	Professional Development Seminar
<b>Total Hours</b>	<b>18</b>

### Athletic Training and Rehabilitation Studies, B.A.

#### Outcome 1: Critical Thinking

Graduates will demonstrate critical thinking through the ability to evaluate, analyze, and integrate information from a variety of sources in order to develop reasoned positions and solutions to problems

#### Outcome 2: Communication

Graduates will display competence in verbal and written communication, as appropriate for those furthering their education in an allied healthcare field

#### Outcome 3: Content Knowledge

Graduates will demonstrate knowledge and skills relevant to those who are seeking to further their education in an allied healthcare field

### Public Health: Community Health, B.A.

1. BA graduates shall display competence in oral, written and visual communication within the public health field at the staff level.
2. BA graduates shall demonstrate the ability to plan, implement, and evaluate public health programs at the staff level.
3. BA graduates shall demonstrate effective critical thinking through the ability to evaluate, analyze, and integrate conceptual and theoretical information in an applied public health field setting.

### Public Health: Environmental Health Science, B.A.

- 1: BA graduates shall display competence in oral, written and visual communication within the public health field at the staff level.
- 2: BA graduates shall demonstrate the ability to plan, implement, and evaluate public health programs at the staff level.
- 3: BA graduates shall demonstrate effective critical thinking through the ability to evaluate, analyze, and integrate conceptual and theoretical information in an applied public health field setting.

### Recreation, Tourism and Nonprofit Leadership, B.A.

#### Outcome 1: Critical thinking

1. Students graduating from the program can demonstrate critical thinking as characterized by the comprehensive exploration of ideas, issues, artifacts, and events before accepting or formulating

an opinion or conclusions (Proposed artifact: Case study in RTNL Seminar).

#### Outcome 2: Communication

1. Students graduating from the program can communicate effectively in written form in various formats and styles, to a variety of audiences (Artifact: Synthesis paper in RTNL Senior project).
2. Students graduating from the program can communicate effectively in oral form (Proposed artifact: Recorded presentation in RTNL Internship course).

#### Outcome 3: Content knowledge/ skills

1. Students graduating from the program can demonstrate intercultural knowledge and competence through cultural self-awareness, knowledge of cultural worldview frameworks, empathy, verbal and nonverbal communication, curiosity, and openness (Artifact: Section C of the synthesis paper in RTNL Internship course).
2. Students graduating from the program can develop, operate and manage a program (Artifact: Portfolio in RTNL Senior project).
3. Students graduating from the program can evaluate the facility management of a RTCS area or a space (Artifact: Site Evaluation in Areas and Facilities).

### Environmental Resource Management: Ecosystems, B.A.

Goals: Students will gain an understanding of major themes in biology related to ecosystems (organization of life, diversity and its causes) along with deeper exposure to and advanced competency in topics related to ecosystems and their management. Students will be able to think critically and communicate effectively on these discipline-specific topics.

#### Outcomes:

1. Students show proficiency in advanced content from the fields of ecology, evolution, and organismal biology that will allow students to evaluate issues important to modern ecosystem management.
2. Students will communicate effectively using discipline-specific vocabulary and standard written and oral scientific communication skills.
3. Students will think critically about discipline-specific content as evidenced by an ability to interpret data, to effectively critique arguments, and/or to solve problems relating to natural systems.

### Environmental Resource Management: Environmental Compliance, B.A.

#### Communication

SLO 3: Demonstrate effective written and oral communication skills related to geographic knowledge.

#### Critical Thinking

SLO 2: Demonstrate abilities in critical thinking and intellectual synthesis including synthesis of Geography's multidisciplinary focus. This includes, but is not limited to, examples of human-environmental interaction, location theory, and transition models along with their past, present, and future impacts.

SLO 4: Display evidence of professional, career skills such as independent problem solving, exhibiting professional judgment, and dependability.

SLO 5: Conduct research through the development of a research question, identification and integration of relevant literature, select appropriate research methods, and execution of data collection, analysis, and interpretation.

#### Content Knowledge & Skills

SLO 1: Identify patterns and processes of spatial relationships and interactions, movement, diffusion, and scale to explain their causes and significance, and to understand analytical methods to study them.

### **Environmental Resource Management: Geosystems, B.A.**

Goal 1 - Critical Thinking & Data Analysis: Our students will use concepts from Earth, Space, or Environmental Science to critically analyze and interpret scientific data.

By the time they graduate, our students will be able to:

Outcome 1.1 - Analyze and interpret scientific data to formulate an evidence-based conclusion

Outcome 1.2 - Use a variety of mathematical tools and computer software to describe scientific phenomena and answer scientific questions

Goal 2 - Communication: Our students will be able to communicate concepts from Earth, Space, or Environmental Science.

By the time they graduate, our students will be able to:

Outcome 2.1 - Create a well-written report or paper that summarizes scientific data and draws evidence-based conclusions

Outcome 2.2 - Create and deliver a well-constructed oral report that summarizes scientific data and draws evidence-based conclusions

Goal 3 - Content Knowledge and Skills: Our students will apply concepts and theories from Earth, Space, or Environmental Science to the real world.

By the time they graduate, our students will be able to:

Outcome 3.1 - Describe fundamental theories and concepts in Earth, Space, or Environmental Science

Outcome 3.2 - Use concepts and theories from Earth, Space, or Environmental Science to create a model of a complex system

Outcome 3.3 - Use concepts and theories from Earth, Space, or Environmental Science to solve a real-world problem

Outcome 3.4 - Use scientific equipment to collect valid scientific data.

### **Environmental Resource Management: Resource Administration, B.A.**

#### Communication

SLO 3: Demonstrate effective written and oral communication skills related to geographic knowledge.

#### Critical Thinking

SLO 2: Demonstrate abilities in critical thinking and intellectual synthesis including synthesis of Geography's multidisciplinary focus. This includes, but is not limited to, examples of human-environmental interaction, location theory, and transition models along with their past, present, and future impacts.

SLO 4: Display evidence of professional, career skills such as independent problem solving, exhibiting professional judgment, and dependability.

SLO 5: Conduct research through the development of a research question, identification and integration of relevant literature, select appropriate research methods, and execution of data collection, analysis, and interpretation.

#### Content Knowledge & Skills

SLO 1: Identify patterns and processes of spatial relationships and interactions, movement, diffusion, and scale to explain their causes and significance, and to understand analytical methods to study them.

### **Master of Athletic Training, M.ATR.**

Outcome 1: Graduates will have the ability to apply best practice knowledge to profession specific contexts

Goal 1: Students demonstrate the ability to evaluate, apply, and design best practice for professional contexts within the discipline

Goal 2: Students will report that the program improved their ability to evaluate, apply, and design best practice for professional context within the discipline (Exit and Alumni surveys).

Outcome 2: Graduates will have the ability to conduct research and demonstrate critical thinking in the process of integrating and drawing relevant conclusions from the culminating research project.

Goal 1: Students will demonstrate the ability to interpret, summarize, integrate, and draw relevant conclusions and applications based on relevant research findings

Goal 2: Students will report that the program improved their ability to interpret, summarize, integrate, and draw relevant conclusions and applications based on relevant research findings

Outcome 3: Graduates will display competence in verbal, written, and/or visual communication, as appropriate for their discipline.

Goal 1: Students will demonstrate competence in oral communication

Goal 2: Students will demonstrate competence in written communication

### Community Health and Recreation, M.A.

1. Students will demonstrate the skills necessary to effectively and efficiently deliver community health and recreation programs (Program Content).
2. Students will demonstrate the ability to design methodologically sound research studies, including the collection and analysis of existing literature and data collection and analysis (Program Content).
3. Students will demonstrate the ability to integrate theory, research, and curricular content to make appropriate recommendations for action (Program Content and Critical Thinking).
4. Students will demonstrate the ability to communicate effectively in writing (Communication).
5. Students will demonstrate the ability to communicate effectively orally (Communication).

### Doctor of Education: Allied Health, Recreation, and Community Services Intensive Study Area

1. Students demonstrate commitment to professional development, social justice, and personal growth by incorporating effective, adaptive, and creative responses to meet changes and challenges in global society.
2. Students analyze, implement, and integrate knowledge, theory, practice, and research findings to lead and make informed decisions in their professional practice.
3. Students will effectively communicate (both written and oral) important, complex problems-of-practice in relation to past research, current practices, and potential future impacts of solutions.

#### Interdisciplinary

### Environmental Resource Management: Ecosystems, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
BIOL 2051	General Biology: Organismal Diversity	4
EARTHSCI 1300	Introduction to Geology (or GEOG 1210 Physical Geography and GEOG 1211 Physical Geography Lab)	4
STAT 1772	Introduction to Statistical Methods	3
UNIFI/General Education or University Electives		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 1110	General Chemistry I	4
GEOG 2410	Geographic Information Systems I	3

UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>13</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 3100	Evolution, Ecology and the Nature of Science	3
GEOG 2260	Environmental Resource Management	3
CHEM 1120	General Chemistry II	4
UNIFI/General Education or University Electives		3
<b>Hours</b>		<b>13</b>
<b>Spring</b>		
Major Electives		4
UNIFI/General Education or University Electives		12
<b>Hours</b>		<b>16</b>
<b>Junior</b>		
<b>Fall</b>		
BIOL 4168/5168	Ecology	4
EARTHSCI 3330/5330	Geomorphology	4
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
UNIFI/General Education or University Electives		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
HIST 4170/5170	U.S. Environmental History	3
Major Electives		4
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Senior</b>		
<b>Fall</b>		
Major Electives		8
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
Major Electives		4
UNIFI/General Education or University Electives		13
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>120</b>

### Environmental Resource Management: Geosystems, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
BIOL 2051	General Biology: Organismal Diversity	4
EARTHSCI 1300	Introduction to Geology (or GEOG 1210 Physical Geography and GEOG 1211 Physical Geography Lab)	4
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 1110	General Chemistry I	4

GEOG 2410	Geographic Information Systems I	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 3100	Evolution, Ecology and the Nature of Science	3
GEOG 2260	Environmental Resource Management	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		9
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
EARTHSCI 3330/5330	Geomorphology	4
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
HIST 4170/5170	U.S. Environmental History	3
Major Electives		6
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
Major Electives		9
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		6
UNIFI/General Education or University Electives		8
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>120</b>

### Environmental Resource Management: Resource Administration, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
BIOL 2051	General Biology: Organismal Diversity	4
EARTHSCI 1300	Introduction to Geology ( or GEOG 1210 Physical Geography and GEOG 1211 Physical Geography Lab)	4
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 1110	General Chemistry I	4

GEOG 2410	Geographic Information Systems I	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 3100	Evolution, Ecology and the Nature of Science	3
GEOG 2260	Environmental Resource Management	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		9
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
EARTHSCI 3330/5330	Geomorphology	4
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
HIST 4170/5170	U.S. Environmental History	3
Major Electives		6
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
Major Electives		9
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		6
UNIFI/General Education or University Electives		8
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>120</b>

### Environmental Resource Management: Environmental Compliance, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
BIOL 2051	General Biology: Organismal Diversity	4
EARTHSCI 1300	Introduction to Geology ( or GEOG 1210 Physical Geography and GEOG 1211 Physical Geography Lab)	4
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
CHEM 1110	General Chemistry I	4

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GEOG 2410	Geographic Information Systems I	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 3100	Evolution, Ecology and the Nature of Science	3
GEOG 2260	Environmental Resource Management	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		10
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>16</b>
<b>Junior</b>		
<b>Fall</b>		
EARTHSCI 3330/5330	Geomorphology	4
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
HIST 4170/5170	U.S. Environmental History	3
Major Electives		6
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
Major Electives		9
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Major Electives		7
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>13</b>
<b>Total Hours</b>		<b>120</b>

## Athletic Training Courses

### AT 1010. 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)

### AT 1018. Prevention and Care of Athletic Injuries — 2 hrs.

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): KINES 2050 or AT 3020. (Fall, Spring, Summer)

### AT 1019. 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. (Fall and Spring)

### AT 2000. Clinical Healthcare Experience — 1 hr.

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

### AT 3000. Athletic Training Clinical Integration — 1-2 hrs.

Entry-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. (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 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 prosected 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; Corequisite(s): AT 3030. (Fall)

### AT 3040. Foundations of Orthopedic Injury Assessment & Pathology I — 3 hrs.

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. Prerequisite(s): AT 3020. Corequisite(s): AT 3040. (Fall)

### AT 3050. Foundations of Orthopedic Injury Assessment & Pathology II — 3 hrs.

Foundational recognition and understanding of injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3040 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. Prerequisite(s): AT 3040. Corequisite(s): AT 3050. (Spring)

### AT 3060. Athletic Training Administration and Professional Development — 3 hrs.

Entry-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010; 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; AT 3011; AT 3020; junior standing. Corequisite(s): AT 3070. (Fall)



**AT 3080. 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. Prerequisite(s): AT 3020; AT 3070; junior standing. Corequisite(s): AT 3080. (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. 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. (Variable)

**AT 3120. Clinical Decision Making in Athletic Training and Orthopedic Pathology I — 3 hrs.**

Entry-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.**

Entry-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; 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 4030/5030. 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 4032/5032. Advanced Acute Care Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4030/5030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

**AT 4070. Foundations of Therapeutic Interventions & Rehabilitation — 3 hrs.**

Foundational study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions. Prerequisite(s): AT 3050 or consent of instructor. (Fall)

**AT 4072/5072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4270/5270. Prerequisite(s): Admission into the M.ATR. program. (Variable)

**AT 4100/5100. 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 Master of Athletic Training program. (Variable)

**AT 4130. General Medical Conditions — 3 hrs.**

Foundational study of general medical conditions and disabilities commonly seen by healthcare providers. Prerequisite(s): AT 3020. (Variable)

**AT 4140. Current Trends in Athletic Training — 2 hrs.**

Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): AT 3050. (Fall)

**AT 4150. Athletic Training Seminar — 2 hrs.**

Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): AT 3060; 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 4210/5210. 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 Master of Athletic Training program. (Variable)

**AT 4215/5215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4210/5210. Prerequisite(s): Admission into the M.ATR. program. (Variable)

## Department of Health, Recreation and Community Services

### **AT 4270/5270. 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 4100/5100; AT 4550/5550. (Variable)

### **AT 4550/5550. 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.A.T.R. program. (Variable)

### **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 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.A.T.R. 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 4270/5270. (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.A.T.R. 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.A.T.R. program. (Variable)

### **AT 6220. 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 Master 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. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

### **AT 6240. 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): NATABOC certification; admission into the athletic training graduate program. (Variable)

### **AT 6250. 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): NATABOC certification; admission into the athletic training graduate program. (Odd Falls)

### **AT 6255. Health Assessment & Preventive Practices — 3 hrs.**

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.A.T.R. program. (Variable)

### **AT 6260. 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.A.T.R. 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.A.T.R. program. (Variable)

### **AT 6289. Seminar in Athletic Training — 1-8 hrs.**

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.A.T.R. program. (Fall and Spring)

### **AT 6297. 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.A.T.R. 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)

### **AT 7310. Critical Theories and Practices in Rehabilitation — 3 hrs.**

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.A.T.R. program. (Variable)

### **AT 7320. 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.A.T.R. 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)

**KAHHS 2045. Health and Physical Education for Elementary Teachers — 3 hrs.**

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

**KAHHS 6290. Research Methods for KAHHS — 3 hrs.**

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)

**KAHHS 7410. Critical Theories and Practices I — 3 hrs.**

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)

**KAHHS 7412. Critical Theories and Practices II — 3 hrs.**

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.**

This course introduces the basic concepts of nutrition. The content includes the functions of the major nutrients and food sources of each, the principles of healthy eating, dietary intake evaluation, energy balance, weight control, nutrition and fitness, food safety, and how food choices can enhance health, performance, and reduce the risk of chronic disease will also be covered. (Fall and Spring)

### **PH 1610. Exploring Careers in Public Health — 2 hrs.**

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. (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.**

Good nutrition is imperative for lifelong health. The focus of this course is building and applying nutritional knowledge to enhance skills, and abilities to educate, program, and promote individual and community level healthy eating. Prerequisite(s): PH 1410. (Odd Springs)

### **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. (Even Springs)

### **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. (Even Springs)

### **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. (Variable)

### **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. (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)

### **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) (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 — 3 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)

**PH 3240. Secondary School Health Education Methods — 2 hrs.**

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). (Variable)

**PH 3245. Secondary School Health Education Methods and Curriculum — 3 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). (Fall)

**PH 3250. Community and Public Health for School Health Educators — 3 hrs.**

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 — 2 hrs.**

Methods of delivering instruction for Consumer Health 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. (Spring)

**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) (Variable)

**PH 3660/5660. Public Health Theory — 3 hrs.**

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. (Fall)

**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. (Odd Springs)

**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 complements 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. (Spring and 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 or HRCS 4000; senior standing; consent of Internship Coordinator. CPR, First Aid, OSHA and Mandatory Reporting certificates required. Corequisite(s): PH 4170. (Spring and 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. (Variable)

**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. (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

**RTNL 2020. Leadership in Leisure, Youth and Human Services — 3 hrs.**

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 emphases 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)

**RTNL 2150. Foundations of Youth Work — 3 hrs.**

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)

**RTNL 2210. Nonprofit Leadership Practicum, Level I — 2 hrs.**

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. (Fall and Spring)

**RTNL 3120. Programming for Recreation, Tourism and Nonprofit Leadership — 3 hrs.**

Introduction to methods and procedures for planning, budgeting, implementing, and evaluating recreation, tourism and community service programs. (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. (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)

**RTNL 3337. Human Resource Development for Recreation, Tourism and Nonprofit Leadership — 3 hrs.**

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 recreations 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 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): 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): 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): junior standing. (Fall and Spring)

**RTNL 4340. Seminar in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**

Prepares students for internship and future employment in recreation, tourism and nonprofit leadership organizations. Focus on development

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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 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)

### **RTNL 4625/5625. Camp Management Systems — 1-12 hrs.**

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)

### **RTNL 4995/5995. Assessment, Programming and Evaluation in Therapeutic Recreation — 3 hrs.**

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): 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)

### **RTNL 4997/5997. Administrative Practices in Therapeutic Recreation — 3 hrs.**

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)

### **RTNL 4998/5998. Technology, Cross-Cultural, and Evidence-based Practices in Therapeutic Recreation — 3 hrs.**

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. Prerequisite(s): junior standing. (Odd Falls)



**RTNL 6200. Historical and Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership — 3 hrs.**

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

**RTNL 6201. Social Policy and Issues in Recreation, Tourism and Nonprofit Leadership — 3 hrs.**

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)

**RTNL 6202. Social Psychology of Leisure — 3 hrs.**

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)

**RTNL 6203. Philanthropy and Nonprofit Development: An Overview — 3 hrs.**

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)

**RTNL 6408. Financial Decision Making for Youth/Human Service Agencies — 3 hrs.**

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 6419. Psychology, Law, and Philanthropy — 2 hrs.**

Students will learn about the psychology underlying giving including topics such as altruism and persuasion. Legal and ethical issues will be covered as they relate to philanthropy, including regulation/governance, tax law, and standards for professional conduct. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program. (Even Springs)

**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)

**RTNL 6422. Applied Research Methods — 1 hr.**

This course is designed to provide a framework for writing a research paper/applied project. Specifically, the literature review is outlined, identifying the purpose, steps, and guidelines important to the process of writing a research paper/identifying implementing a project. Skills including performing literature searches, questionnaire development, data analysis, and interpretations and report writing will be taught. (Variable)