

# Department of Health, Physical Education, Recreation, and Safety

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**Martha Whaley, Chair**  
**Murphy Athletic Center 111**

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The Department of Health, Physical Education, Recreation, and Safety offers students the opportunity to prepare for professional careers as teachers of health and of physical education, as physical education directors in industry and social agencies, as recreation and leisure service professionals in a wide range of settings, and as health professionals in schools, industry, and allied areas.

Programs in the department lead to the Bachelor of Science degree with majors in Health Education, Athletic Training, Recreation and Leisure Services, and Physical Education which also includes a concentration in Wellness and Exercise Science. Persons majoring in Health Education may select from concentrations in Health Science and Technology, Health Education and Lifetime Wellness, and Community and Public Health. Persons majoring in Recreation and Leisure Services may choose from three concentrations—Outdoor Recreation, Recreation Administration, and Recreational Therapy.

Those interested in a non-teaching career in the field can select courses accordingly. Minors in Athletic Coaching, Athletic Training/Sports Medicine, Driver and Traffic Safety Education, Health, Health and Physical Education, Physical Education, and Recreation are also available.

Through the basic instructional program, students are given the opportunity to meet part of their General Stud-

ies requirements by selecting activities of interest to them in which they will learn the fundamental skills and techniques that will provide a basis for future activity or leisure pursuits.

**In all curricular listings, (Area \_\_ ) refers to the General Studies requirements as outlined on pages 59-61.**

### Major in Physical Education

**Teacher Licensure K-12 (includes Lifetime Wellness licensure)**—The major in Physical Education offers preparation for teaching positions in public and private elementary and secondary schools in Tennessee. The major requires BIOL 2030; PHED 1140, 2100, 3300, 3400, 3430, 3720, 3740, 3750, 3780, 3850, 3950, 4340, 4810, 4820, and 4910. Students must take a one-hour activity class from swimming and dance. These activity courses can be used to fulfill General Studies requirements. Students must complete the Professional Education component that includes student teaching. Following is a suggested pattern of study for the Physical Education major. However, regular consultation with the assigned advisor is essential.

**Recommended Curriculum**

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Area I-A)	6	ENGL 2030, 2--- (Area II-A)	6
BIOL 1030 (Area IV-A)	4	HIST 2010, 2020 (Area III-A)	6
Science (Area IV-A)	4	PHED 3720, 3740, 3780	8
PHED 2100, 3300, 3430		Gen. Studies (Area II-B)	3
3850	10	SPED 3010	3
Gen. Studies (Area III-B)	3	Math (Area IV-B)	3
FOED 1110, 2110	6	PHED activity (Area V)	2
PHED activity (Area V)	2	COMM 2200 (Area I-B)	3
	<b>35</b>		<b>34</b>
<b>JUNIOR</b>		<b>SENIOR</b>	
BIOL 2030	3	PHED 4820, 4910	6
PHED 3400, 3750, 3950,		Minor	9
4340, 4810	15	YOED 4000	3
SPSE 3220	3	YOED 4110	12
YOED 3050	3		<b>30</b>
Minor	9		
	<b>33</b>		

**Physical Education**—Persons who wish to pursue a non-teaching career may, in consultation with the assigned advisor, select two minors appropriate for realizing a professional goal.

### Concentration: Wellness and Exercise Science

The Wellness and Exercise Science concentration offers preparation for positions in corporate, hospital, and public wellness and fitness centers. The program requires N FS 1240, 3280; BIOL 2010, 2020; HUM 2130; HLTH 2310, 3110; ATHT 2580; ATHC 4060; PHED 1200, 3250, 3300, 3720, 4240, 4250, 4340, 4810, 4830, 4910, and 10 hours of guided electives and a minor to be selected in consultation with advisor; General Studies requirements.

### Minor in Physical Education

The minor requires 18 semester hours to include PHED 3300, 3430, and 3850, plus 10 hours selected (in consultation with the assigned advisor) from the following courses: PHED 3400, 3720, 3740, 3750, 3780, 3950, 4340, 4810, 4820, 4830, and 4910.

### Minor in Athletic Coaching

The minor requires 18 semester hours including ATHT 2580; ATHC 4690, 4800, and either PHED 4820 or ATHC 4060 plus 6 semester hours of professional courses related to specific coaching area(s), officiating, or intramurals.

### Major in Health Education

The major in Health Education provides basic experiences for those interested in preparing for numerous health and health-related professions. Persons majoring in Health Education may choose from a concentration in Health Science and Technology, Community and Public Health, and Health Education and Lifetime Wellness. Those seeking teacher licensure will complete a Secondary Education minor.

### Concentration: Health Science and Technology

The Health Science and Technology concentration is designed to accommodate transfer degrees in allied health or nursing. Students enter the University having completed certification requirements in nursing or one of the allied health fields and receive transfer credit once the required courses are completed. In consultation with an advisor, the student will include the following:

**Recommended Curriculum**

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Area I-A)	6	ENGL 2030, 2--- (Area II-A)	6
BIOL 1030 (Area IV-A)	4	HIST 2010, 2020, or	
PSCI 1030 (Area IV-A)	4	2030 (Area III-A)	6
HLTH 3110	3	N FS 1240	3
Gen. Studies (Area II-B)	3	HLTH 3110	3
Gen. Studies (Area III-B)	3	MATH 3000 or 1410	3
COMM 2200 (Area I-B)	3	CSCI 1000	1
HLTH 3300	3	PHED activity (Area V)	2
HLTH 2600	3	Minor (two classes)	6
PHED activity (Area V)	2	HLTH related elective	3
	<b>34</b>		<b>33</b>
<b>JUNIOR</b>		<b>SENIOR</b>	
BIOL 2030	3	Certification/licensure	
HLTH 4340	3	transfer**	<b>33</b>
PHED 3720	3		
PHED 4810	3		
HLTH related electives	9		
Minor (four classes)	12		
	<b>33</b>		

**\*\*NOTE:** These courses or their equivalents are required for certificate/licensure in Health Science and Technology: IED 4000, 4030, 4040, and 4060.

### Concentration: Health Education and Lifetime Wellness

The Health Education and Lifetime Wellness concentration is designed to prepare lifetime wellness instructors for grades 9-12. In consultation with an advisor, the student will include the following:

#### Recommended Curriculum

##### FRESHMAN

ENGL 1010, 1020 (Area I-A)	6
BIOL 1030 (Area IV-A)	4
PSCI 1030 (Area IV-A)	4
HLTH 2310	3
COMM 2200 (Area I-B)	3
SOC 1010 (Area III-B)	3
PHED activity (Area V)	2
FOED 1110, 2110	6
N FS 1240	3

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##### SOPHOMORE

ENGL 2030, 2--- (Area II-A)	6
HIST 2010, 2020, or 2030 (Area III-A)	6
HLTH 3110	3
MUS 1030 (Area II-B)	3
MATH 1010 (Area IV-B)	3
PHED activity (Area V)	2
HLTH 3300	3
SPED 3010	3
YOED 3050	3

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##### JUNIOR

BIOL 2030	3
HLTH 4270	3
HLTH 4300	3
HLTH 4340	3
PE minor	15
HLTH 3310	3
SPSE 3220	3

33

##### SENIOR

HLTH 4260	3
PHED 4830	3
YOED 4000	3
PHED 4810	3
HLTH 4360	3
HLTH 4400	3
PE minor	3
YOED 4110	12

33

### Concentration: Community and Public Health

The Community and Public Health concentration is designed to prepare health educators in community and public health strategies so that they may influence changes in public health practice for individuals, organizations, and/or communities. In consultation with an advisor, the student will include the following:

#### Recommended Curriculum

##### FRESHMAN

ENGL 1010, 1020 (Area I-A)	6
BIOL 1030 (Area IV-A)	4
Science (Area IV-B)	4
Gen. Studies (Area II-B)	3
Gen. Studies (Area III-B)	3
COMM 2200 (Area I-B)	3
HLTH 2310	3
HLTH 2600	3
PHED activity (Area V)	2

31

##### SOPHOMORE

ENGL 2030, 2--- (Area II-A)	6
HIST 2010, 2020, or 2030 (Area III-A)	6
N FS 1240	3
HLTH 3300	3
MATH 1010 or 1710	3
CSCI 1000	1
PHED activity (Area V)	2
Minor classes	6
HLTH related electives	3

33

##### JUNIOR

BIOL 2030	3
HLTH 4340	3
Minor (two classes)	6
HLTH 4860	3
HLTH 4440	3
HLTH related electives	6
General electives	6
HLTH 4360	3

33

##### SENIOR

PHED 4810	3
HLTH 4270	3
HLTH related electives	9
Minor (three classes)	9
Internship	12

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### Minor in Health

The minor in Health requires 18 semester hours including HLTH 2310, 3110, 3300, 4400, plus 6 hours of electives to be chosen from other health offerings or courses approved by the department chair.

### Minor in Health and Physical Education

The minor in Health and Physical Education requires 18 semester hours to include HLTH 3110, 3300; PHED 3780, 3850, plus 7 hours of approved electives from health and physical education.

### Major in Recreation and Leisure Services

The major in Recreation and Leisure Services provides knowledge, skills, and experiences for students interested in preparing for positions in the recreation and leisure services profession. The major requires a core which includes REC 3010, 3380, 3520, 3530, 3540, 3560, 4540, 4660, 4890, and 4900 (a nine-hour internship). Students may choose from concentrations in Recreational Therapy, Outdoor Recreation, or Recreation Administration. An 18-21 hour minor of the student's choice is also required.

### Concentration: Recreational Therapy

Persons choosing the Recreational Therapy concentration find careers in hospitals, rehabilitation centers, geriatric/pediatric settings, or in any program serving persons with disabilities. Students graduating with this concentration are eligible to apply for national certification as a Certified Therapeutic Recreation Specialist. Ongoing consultation with an advisor is essential.

#### Recommended Curriculum—Recreational Therapy

##### FRESHMAN

ENGL 1010, 1020 (Area I-A)	6
BIOL 1030 (Area IV-A)	4
PSCI 1030 or GEOL 1030 (Area IV-A)	4
PHED activity (Area V)	1
COMM 2200 or 3230 (Area I-B)	3
Gen. Studies (Area II-B)	3
Gen. Studies (Area III-B)	3
REC 3010	3
Electives	6

33

##### SOPHOMORE

ENGL 2030, 2--- (Area II-A)	6
HIST 2010, 2020, or 2030 (Area III-A)	6
CDFS 3340	3
MATH 1710, 3000, or 1530	3
PHED activity (Area V)	1
REC 3380, 3520, and 3530	9
Electives	5

33

##### JUNIOR

BIOL 2030	3
PSY 3230	3
REC 3540, 3560, 4499, and 4500	12
PHED activity (Area V)	1
Minor	6
Electives	6

31

##### SENIOR

Minor	12
REC 4510, 4540, 4660, 4890 (1 hr.), and 4480 or 4520	13
REC 4900 (Internship)	9
PHED activity (Area V)	1

35

**Concentration: Outdoor Recreation**

Persons choosing the Outdoor Recreation concentration might find employment with various natural resource-based agencies such as municipal, state, and federal land management agencies (e.g., city, state, and national parks), organized youth and adult day and residential camps, and commercial and resort organizations that offer natural resource-based programs and services. Ongoing consultation with an advisor is essential.

**Recommended Curriculum—Outdoor Recreation**

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Area I-A)	6	ENGL 2030, 2--- (Area II-A)	6
BIOL 1030 (Area IV-A)	4	HIST 2010, 2020, or 2030 (Area III-A)	6
PSCI 1030 or GEOL 1030 (Area IV-A)	4	MATH 1710, 1010, or 1530	3
PHED activity (Area V)	1	REC 3380, 3520, 3530	9
COMM 2200 or 3230 (Area I-B)	3	PHED activity (Area V)	1
Gen. Studies (Area II-B)	3	Minor	3
Gen. Studies (Area III-B)	3	Electives	6
REC 3010	3		<b>34</b>
Elective	3		
	<b>30</b>		

<b>JUNIOR</b>		<b>SENIOR</b>	
Electives	6	Electives	5
REC 3370, 3540, 3560	9	Select one: BIOL 3070; HIST 4640; or PHIL 4800	3
Select one: GEOL 4310, 4480; EST 2810; or ABAS 3630	3	REC 4901 (Internship)	9
Select two: REC 3360, 3570, 4570, 3390; HLTH 3300	6	REC 4580, 4660, 4540, 4890	10
PHED activity (Area V)	1	PHED activity (Area V)	1
Minor	6	Minor	9
	<b>31</b>		<b>37</b>

**Concentration: Recreation Administration**

Persons choosing the concentration in Recreation Administration prepare for leadership opportunities in a variety of recreation and leisure services such as public park and recreation agencies, youth service agencies, military recreation, tourism, and commercial recreation. Ongoing consultation with an advisor is essential.

**Recommended Curriculum—Recreation Administration**

<b>FRESHMAN</b>		<b>SOPHOMORE</b>	
ENGL 1010, 1020 (Area I-A)	6	ENGL 2030, 2--- (Area II-A)	6
BIOL 1030 (Area IV-A)	4	HIST 2010, 2020, or 2030 (Area III-A)	6
PSCI 1030 or GEOL 1030 (Area IV-A)	4	Gen. Studies (Area II-B)	3
PHED activity (Area V)	2	PHED activity (Area V)	2
COMM 2200 or 3230 (Area I-B)	3	REC 3010, 3380, 3520, and 3530	12
Gen. Studies (Area III-B)	3	Minor	3
MATH (Area IV-B)	3		<b>32</b>
Electives	6		
	<b>31</b>		

<b>JUNIOR</b>		<b>SENIOR</b>	
PSY 2210 or 4380	3	REC 4540, 4600, 4601, 4660, and 4890	10
BMOM 2900 or MGMT 3810 or MKT 3820	3	Minor	6
REC 3540, 3560	6	Recreation electives	6
Recreation elective	3	REC 4902 (Internship)	9
Electives	8	Electives	6
Minor	9		<b>37</b>
	<b>32</b>		

**Minor in Recreation**

The minor in Recreation requires 18 semester hours including REC 3010, 3530, 3560, and 4540, plus 6 hours of electives in recreation course offerings.

**Major in Athletic Training**

The Athletic Training Program consists of four academic years and is a **limited enrollment** program. The program’s academic and clinical foundation is based upon the National Athletic Trainer’s Association Educational Competencies and the Commission on Accreditation of Allied Health Education Programs accreditation standards and guidelines for entry-level athletic training education programs. The program consists of 132 credit hours, which include General Studies, athletic training core courses, and a Science minor and Physical Education/Health minor. Students enter the program as pre-athletic training majors and must complete the first year of pre-athletic training curriculum consisting of General Studies and athletic training prerequisite courses. Students then make formal application for admission to the last three years, which includes 38 hours of athletic training courses. When a student applies for admission and is accepted, the student is then classified as an Athletic Training major. The number of students accepted into the program is limited, making the application process competitive.

Students seeking admission to the program must have a 2.50 cumulative grade point average. The application process includes the following:

- completion of a formal application, which includes three letters of recommendation;
- successful completion of ATHT 2580 and 2590; HLTH 3300; and BIOL 2010 with a minimum grade of B- in each;
- successful completion of pre-program clinical observations as part of ATHT 2590;
- successful completion of pre-program clinical proficiencies;
- successful completion of a minimum of 24 credit hours;
- interview with Athletic Training program admission committee.

After students have met the admission requirements, acceptance is based upon weighted criteria. Meeting minimal admission requirements does not guarantee admission to the program.

All students must sign a technical standards document as part of the application process. This document is attached to the program application form and is in the Athletic Training education program manual.

Once a student is admitted, he/she must follow a prescribed course of study, which includes both academic and clinical courses. Students must maintain a cumulative grade point average of 2.50. Students must achieve a B- or better in all ATHT courses and PHED 4820 and a C- or better in BIOL 1110 or 1030, 2020, 3020; PHYS 2020, 2021; N FS 1240; PHED 4830, 4910; ATHC 4060; and FOED 2110 to continue in the program. If a student does not achieve a B- or

better in an ATHT course and a C- or better in the above courses he/she must retake the course.

Only admitted students are allowed to register for athletic training clinical courses (ATHT 3000, 3001, 3002, 3003, 4430, 4950, and 4990). These courses require a structured clinical rotation under an approved clinical instructor/supervisor. Clinical courses provide the student with a variety of athletic training experiences including contact-collision, collision, and non-contact sports in the collegiate, high school, and professional sport environment. Students also take a practicum (ATHT 4430) in athletic training at the completion of their junior year, which requires a clinical rotation in a non-traditional sport environment (i.e., sports medicine clinic, physical therapy clinic). Students must complete all clinical courses with a minimum grade of B- or better. If a student does not complete a clinical course with a B- or better, the student cannot progress to the next clinical course until that course has been retaken and a grade of B- or better has been achieved.

Students must have a minimum overall GPA of 2.50 to graduate from the program. Upon successful completion of the program, graduates are awarded a B.S. in Athletic Training and become eligible to sit for the National Trainer's Association Board of Certification Examination (NATABOC).

**Recommended Curriculum**

**PRE-ATHLETIC TRAINING PROGRAM**

**FRESHMAN**

FALL		SPRING	
ENGL 1010 (Area I-A)	3	ENGL 1020 (Area I-A)	3
HLTH 3300	3	ATHT 2580	3
BIOL 1110 or 1030 (Area IV-A)	4	ATHT 2590	2
MATH 1710	3	PSY 1410	3
COMM 2200 or 3230 (Area I-B)	3	BIOL 2010	4
	<b>16</b>	PHED 1200	1
			<b>16</b>

**ADMITTED ATHLETIC TRAINING PROGRAM**

**SOPHOMORE**

FALL		SPRING	
ENGL 2030 (Area II-A)	3	ENGL 2--- (Area II-A)	3
ATHT 3000	2	ATHT 3950	3
BIOL 2020	4	ATHT 3001	2
N FS 1240	3	BIOL 3020	4
HLTH 3110	3	PHED 1300	1
	<b>15</b>	HIST 2010 (Area III-A)	3
			<b>16</b>

**JUNIOR**

FALL		SPRING	
ATHT 3960	3	ATHT 4960	3
ATHT 3002	2	ATHT 4970	3
PHED 4910	3	ATHT 3003	2
ATHT 4500	3	Gen. Studies (Area II-B)	3
PHYS 2010, 2011	4	PHED activity (Area V)	1
FOED 2110	3	PHYS 2020, 2021	4
	<b>18</b>		<b>16</b>

**SUMMER**

ATHT 4000	3
ATHT 4430	3
	<b>6</b>

**SENIOR**

FALL		SPRING	
PHED 4830	3	ATHT 4990	3
PHED 4820	3	ATHC 4060	3
ATHT 4950	3	Minor PE/Health	3
HIST 2020 or 2030 (Area III-A)	3	PHED activity (Area V)	1
PHED 3850	3	PHED 3780	2
		Electives	2
	<b>15</b>		<b>14</b>

**Athletic Training Program Costs**

Athletic training students pay the same fee schedules as do all other undergraduate students at the University. These fees are described in detail elsewhere in this catalog. Additional expenses incurred by athletic training students include:

1. the cost of a uniform package - varies in price (yearly);
2. liability insurance - \$35 (junior/senior year);
3. membership into the National Athletic Trainer's Association (senior year).

**Teacher Licensure**

Students who wish to pursue licensure in the State of Tennessee must consult with the director of the Athletic Training Program early in the academic process to ensure a smooth transition through this academic program. In order to acquire teacher licensure, the student should expect to work at least one additional academic year in order to obtain teacher certification.

**Minor in Athletic Training/Sports Medicine**

The minor in Athletic Training/Sports Medicine requires 21 semester hours. It is a **limited enrollment program** and all students must make formal application.

**Minor in Driver and Traffic Safety Education**

The minor in Driver and Traffic Safety Education requires 18 semester hours including either PHED 3300 or ET 4420; SAFE 4320, 4350, 4850, 4870; and either ET 4420 or 4440.



## Courses in Physical Education [PHED]

### Basic Instructional Program

University graduation requirements for all students include four semesters of physical education or two semesters of physical education and PHED 2100. \*Only one physical education activity course (or PHED 2100) may be awarded General Studies credit in a semester.

The physical education activity courses which make up the basic instructional program are designed to prepare students for future participation in these activities by developing basic competencies in the fundamental skills of each activity. Opportunities for the improvement of skill and the learning of new skills are provided through intermediate and advanced level courses in certain activities.

Students whose physical limitations prevent them from participating fully in the basic instructional program will be placed in activities commensurate with their abilities.

*\*This requirement may also be fulfilled by substituting two semesters of band or ROTC for the two hours of physical education. Students who have served on active duty with the armed forces are given credit toward the requirement. One credit is allowed for each six months of service to a maximum of two credits.*

- 1000 (100) Team Games and Conditioning.** One credit.
- 1010 (101) Beginning Folk and Square Dance.** One credit.
- 1020 (102) Beginning Social Dance.** One credit.
- 1040 (104) Beginning Tennis.** One credit.
- 1050, 1060 (105, 106) Adapted Physical Activity.** One credit each.
- 1080 (108) Beginning Bowling.** One credit. Fee required.
- 1100 (110) Beginning Karate.** One credit.
- 1110 (111) Casting and Fishing Techniques.** One credit.
- 1120 (112) Backpacking and Hiking.** One credit.
- 1130 (113) Beginning Bicycling.** One credit.
- 1140 (114) Gymnastics.** One credit.
- 1150 (115) Beginning Badminton.** One credit.
- 1160 (116) Beginning Archery.** One credit.
- 1170 (117) Beginning Racquetball.** One credit.
- 1180 (118) Beginning Aerobics (Walking/Jogging).** One credit.
- 1190 (119) Aerobic Dance.** One credit.
- 1200 (120) Beginning Weight Training.** One credit.
- 1210 (121) Beginning Basketball.** One credit.
- 1220 (122) Beginning Soccer.** One credit.
- 1230 (123) Team Handball.** One credit.
- 1240 (124) Water Aerobics.** One credit. No swimming skills required.
- 1250 (125) Self Defense.** One credit.
- 1260 (126) Intermediate Bicycling.** One credit.
- 1270 (127) Yoga.** One credit.
- 1300 (130) Personal Fitness.** One credit. Basic concepts, techniques, and activities needed to design an individual fitness program.
- 2000 (200) Beginning Wrestling.** One credit.
- 2010 (201) Beginning Modern Dance.** One credit.
- 2020 (202) Beginning Golf.** One credit. Fee required.
- 2030 (203) Tumbling and Trampoline.** One credit.
- 2040 (204) Beginning Swimming.** One credit.
- 2050, 2060 (205, 206) Adapted Physical Activity.** One credit each.
- 2070 (207) Intermediate Swimming.** One credit.
- 2080 (208) Intermediate Modern Dance.** One credit.
- 2090 (209) Intermediate Tennis.** One credit.
- 2100 (310) Effective Living.** Two credits. A general health course designed to enable students to deal more effectively with personal and family health responsibilities as well as emergency situations.
- 2110 (211) Basic Horsemanship—Equitation.** One credit.
- 2120 (212) Scuba Diving.** Two credits. Prerequisite: PHED 2070. Students must pass a swimming proficiency test.
- 2130 (213) Basic River Canoeing.** One credit. Prerequisite: PHED 2070. Students must pass a swimming proficiency test.
- 2140 (214) Basic Lifeguarding.** One credit.
- 2150 (215) Synchronized Swimming.** One credit. Prerequisite: PHED 2070.
- 2160 (216) Ballet—Primary.** One credit.
- 2170 (217) Ballet—Intermediate.** One credit.
- 2180 (218) Beginning Jazz Dance.** One credit.
- 2190 (219) Beginning Tap Dance.** One credit.
- 2200 (220) Modern Gymnastics.** One credit.
- 2240 (224) Beginning Roller Skating.** One credit. Fee required.
- 2250 (225) Intermediate Bowling.** One credit. Fee required.
- 2260 (226) Basic Rock Climbing.** One credit.
- 2270 (227) Beginning Volleyball.** One credit.
- 2280 (228) Intermediate Tap Dancing.** One credit.
- 2290 (229) Intermediate Roller Skating.** One credit.

- 2300 (210) Beginning Handball.** One credit.
- 2320 (232) Advanced Weight Training.** One credit.
- 2330 (233) Advanced Karate.** One credit.
- 2340 (234) Aquatic Instructor Certification.** One credit.
- 2350 (235) Intermediate Badminton.** One credit.
- 2360 (236) Intermediate Wrestling.** One credit.
- 2380 (238) Intermediate Jazz Dance.** One credit.
- 2400 (240) Intermediate Handball.** One credit.
- 2410 (241) Beginning Softball.** One credit.
- 2420 (242) Intermediate Golf.** One credit.
- 2430 (305) Advanced Volleyball.** One credit.
- 2440 (307) Advanced Swimming.** One credit.
- 2450 (309) Advanced Tennis.** One credit.
- 3250 (325) Workshops in Wellness.** Three credits. Preparation for conducting workshops in a variety of professional settings.
- 3300 (330) First Aid and Safety Education.** Three credits. (Same as HLTH 3300.) Deals with first aid measures, accident prevention, and cardiopulmonary resuscitation. Addresses issues related to drug use/abuse and related acts of violence. Satisfactory completion of the course qualifies the student for American Red Cross Standard and CPR certificates.
- 3400 (340) Motor Learning and Development.** Three credits. Explores the study of motor activity by discussing the development of motor patterns and how we learn to move under various circumstances. Students will become familiar with the concepts, terms, techniques, and activities that will lead to a better understanding of motor development and motor learning.
- 3430 (343) Games, Gymnastics, and Rhythmic Activities for Children.** Two credits. Activities suitable for the needs, abilities, and interests of children and youth throughout the stages of their growth and development.
- 3500 (350) Physical Education for Early Childhood.** Four credits. Principles, teaching strategies, and curriculum activities for young children. Planning age-appropriate physical activities and designing developmentally appropriate motor skill experiences for young children. Extensive practicum experiences in teaching. Two one-hour lectures and two one-hour labs per week.
- 3720 (372) Skills and Techniques of Teaching Fitness Activities.** Three credits. Writing, planning, teaching, and participating in personalized and group fitness programs and the interpretative assessment of related components with the understanding of physiological principles related to exercise. Teaching lifetime wellness activities required in laboratory and field experiences.
- 3730 (373) Skills and Techniques of Teaching Tumbling, Stunts, and Gymnastics.** Three credits. Objectives, materials, and techniques for teaching tumbling and gymnastics. Laboratory and field experiences required.
- 3740 (374) Skills and Techniques of Teaching Individual and Dual Sports.** Three credits. Knowledge of skills, methods, and materials necessary for teaching activities—archery, badminton, golf, tennis, and bowling—which will contribute to lifetime wellness. Laboratory and field experiences required.
- 3750 (375) Skills and Techniques of Teaching Team Games.** Three credits. Skills, methods, and concepts in basketball, soccer, volleyball, softball, and team handball that would allow participants to engage in physical fitness activities into middle adult years. Laboratory and field experiences required.
- 3760 (376) Skills and Techniques of Teaching Aquatics (ARC Water Safety Instructor.)** Three credits. Emphasizes the individual's stroke development, the ability to analyze strokes, and the methods and materials for organizing, teaching, and administering aquatic programs. Laboratory and field experiences required.
- 3780 Curriculum in Physical Education.** Two credits. The role of physical education in society; the characteristics, needs, and interests of students; and the principles necessary for the development of a quality curriculum in physical education and fitness activities that will enhance a lifetime of health and wellness.
- 3810 (381) Directing Intramurals.** Two credits. The organization and administration of intramural programs. The student experiences actual participation in developing and supervising intramural activities.
- 3850 (385) Foundations of Physical Education.** Three credits. Lectures, discussion, and reports introduce students to the importance of physical activity and nutritional values as they relate to lifetime wellness. Study of physical education through its history, philosophy, leadership, and organization including related principles from biology, physiology, sociology, and psychology.
- 3910 (391) Officiating.** Two credits. (Same as ATHC 3910.) Technique and practice in officiating major sports.
- 3950 (395) Adapted Physical Activity.** Three credits. Principles of planning and conducting physical education in order to provide for the special needs, interests, and abilities of exceptional students. Field work in local schools and community agencies.
- 4240 (424) Principles of Exercise Prescription and Assessment.** Three credits. Prerequisites: PHED 4810, 4830, and 4910. Provides students with practical and theoretical experiences in exercise prescription and health/fitness assessment techniques, primarily for healthy population. Upon completion, pursuit of ACSM Health/Fitness Instructor Certification recommended.
- 4250 (425) Internship in Exercise Science and Health Promotion.** Twelve credits. (Same as HLTH 4250.) Prerequisites: PHED 3250, 4240, 4810, 4830, 4910; HLTH 3300; BIOL 2030; N FS 1240. On-site practical experience in an exercise science/health promotion program.
- 4290 (429) Corrective Therapy—Clinical Training Program.** Nine credits. Provides trainee-students clinical training in a paramedical specialty in order to treat illness and injury. Program is affiliated with the Veterans Administration Hospital, Murfreesboro.
- 4340 (434) Wellness and Healthy Lifestyles.** Three credits. (Same as HLTH/REC 4340.) Developing healthy lifestyles through health appraisal, fitness evaluation, identifying cardiovascular risk factors, and individual exercise prescriptions.

- 4600 (460) Technology Applications.** One credit. Prerequisite: An introductory course in computer literacy or equivalent with instructor permission; corequisite: PHED 4601. Understanding and competency using a variety of technology applications related to the profession. Students required to enroll in corresponding lab during the same semester.
- 4601 (460L) Technology Applications Lab.** Two credits. Corequisite: PHED 4600. Investigation and application of profession-specific software and hardware applications.
- 4700 (470) Skills and Techniques of Teaching Rhythmic Activities.** Three credits. Skills in various dance forms, methods and materials, evaluative procedures, experiences in teaching all forms of dance to students at the K-12 level. Lab required.
- 4810 (481) Measurement and Evaluation.** Three credits. Concepts and procedures used for applied measurement and evaluation in health and human performance settings. Basic statistics, reliability and validity, measurement instruments in field and laboratory settings, and the administration of a variety of tests within discipline.
- 4820 (482) Organization and Administration of Physical Education.** Three credits. Provides the basic knowledge necessary to organize and manage a total physical education and sports program. Information concerning the pertinent administration processes including legal responsibilities.
- 4830 (483) Physiology of Exercise.** Three credits. Prerequisites: BIOL 2030 or 2010 and 2020. Introduction to the principles of exercise physiology. Acute response and chronic adaptations of the body to physical activity, exercise, and sports participation, and their impact on homeostasis examined.
- 4910 (491) Kinesiology.** Three credits. The science of human motion. Emphasis on principles of anatomy, physiology, and mechanics of human activity.
- 4920 (492) Special Problems.** One, two, or three credits. (Same as HLTH/REC 4920.) Presentation and discussion of research work in physical education, recreation, health and safety education, or athletics. (A maximum of three semester hours credit may be applied toward a degree.)
- 3310 (331) Health Problems of Exceptional Children.** Three credits. Common health problems of all children with emphasis on health problems peculiar to children in various areas of exceptionalty. Consideration will be given to identification and referral.
- 3330 (333) History of Health Education and Health Organizations.** Three credits. Analysis of health education from origins to present. Emphasis on health philosophies, conferences, significant movements, associations, and pioneer health leaders.
- 4250 (425) Internship in Exercise Science and Health Promotion.** Twelve credits. (Same as PHED 4250.) Prerequisites: PHED 3250, 4240, 4810, 4830, 4910; HLTH 3300; BIOL 2030; N FS 1240. On-site practical experience in an exercise science/health promotion program.
- 4260 (426) Curriculum and Teaching Methods in Health Education.** Three credits. Curriculum planning and teaching methods for prospective school, community, and public health personnel who aspire to teach health education.
- 4270 (427) Bioethical Issues in Health Education.** Three credits. An analysis of current bioethical issues, problems, needs, trends, and interests in health education.
- 4280 (428) Instructor's Course in First Aid and CPR.** Two credits. Prerequisite: HLTH 3300 or current Red Cross certification in multi-media first aid and CPR or standard first aid. Organization, planning, and teaching American Red Cross safety course. Red Cross instructor certification for successful completion.
- 4300 (430) The School Health Program.** Three credits. Offers preparation for leadership roles in school health services, instruction, and emergency situations, with special emphasis on evaluation.
- 4340 (434) Wellness and Healthy Lifestyles.** Three credits. (Same as PHED/REC 4340.) Developing healthy lifestyles through health appraisal, fitness evaluation, identifying cardiovascular risk factors, and individual exercise prescriptions.

## Courses in Health [HLTH]

- 2310 (231) Community and Public Health.** Three credits. Basic preparation for health educators in community and public health programs with emphasis on identifying and solving problems.
- 2600 (260) Introduction to Health Professions.** Three credits. Examines select health professions. Includes admission procedures, training, post-graduate training, licensure, practice options. Designed to assist students interested in a health career make a more informed choice early in their undergraduate preparation.
- 3110 (311) Personal Health.** Three credits. Personal health in contemporary society; designed specifically for preparation of health educators.
- 3300 (330) First Aid and Safety Education.** Three credits. (Same as PHED 3300.) Deals with first aid measures, accident prevention, and cardiopulmonary resuscitation. Addresses issues related to drug use/abuse and related acts of violence. Satisfactory completion of the course qualifies the student for American Red Cross Standard and CPR certificates.





- 4360 (436) Teaching Human Sexuality.** Three credits. Assists teachers and future teachers in developing, implementing, and evaluating human sexuality curricula and programs for schools (K-12).
- 4370 (437) Health and First Aid for Children (Pre-K-3).** Two credits. Skill and knowledge required to maintain a healthy and safe school or day-care environment for Pre-K-3 children.
- 4390 (439) Women's Health.** Three credits. Applies and extends the knowledge base of health care for women and provides students with the knowledge to help them enhance their own and others' health.
- 4400 (440) Drugs and Violence in Health Education.** Three credits. Offers an understanding of the nature of drugs, relationships people form with drugs, and consequences of those relationships. Relationship of drugs to acts of violence considered as well as educational programs addressing issues related to drug use/abuse and acts of violence.
- 4460 (446) Introduction to Epidemiology.** Three credits. Epidemiologic analysis including measures of disease frequency, measures of effect, association and causation, sources of inaccuracy, experimental and observational study designs.
- 4600 (460) Technology Applications.** One credit. Prerequisite: An introductory course in computer literacy or equivalent with instructor permission; corequisite: HLTH 4601. Understanding and competency using a variety of technology applications related to the profession. Students required to enroll in corresponding lab during the same semester.
- 4601 (460L) Technology Applications Lab.** Two credits. Corequisite: HLTH 4600. Investigation and application of profession-specific software and hardware applications.
- 4860 (486) Organization and Administration of Health Education.** Three credits. Administrative theories, program development, scheduling, budgeting, and evaluating health education programs in schools (K-12) and in the community.
- 4900 (490) Certified Health Education Specialist (CHES) Review.** One credit. Responsibilities and competencies on the Certified Health Education Specialist examination.
- 4920 (492) Special Problems.** One, two, or three credits. (Same as PHED/REC 4920.) Presentation and discussion of research work in physical education, recreation, health and safety education, or athletics. (A maximum of three semester hours credit may be applied toward a degree.)
- 3630 (363) Teaching and Coaching Wrestling.** Two credits. Provides the prospective teacher and coach with the methods and materials needed for teaching and coaching wrestling in the public schools.
- 3660 (366) Coaching of Volleyball and Basketball for Women.** Two credits. Theory and practice in the fundamentals as well as introduction of offensive and defensive types of play. Emphasis on the basic aspects.
- 3810 (381) Directing Intramurals.** Two credits. The organization and administration of intramural programs. Actual participation in developing and supervising intramural activities.
- 3910 (391) Officiating.** Two credits. (Same as PHED 3910.) Technique and practice in officiating major sports.
- 4000 (400) Strength, Conditioning, and Human Performance.** Three credits. Prerequisites: Anatomy, physiology, kinesiology, and weight training; or by permission of instructor. Offers preparation for the National Strength and Conditioning Association's Strength and Conditioning Specialists Certification Examination.
- 4060 (406) Sport Psychology.** Three credits. (Same as PSY 4060.) The application of behavioral principles, motivational research, personality factors, social/psychological findings, cognitive processes, dysfunctional behavior knowledge, and psychometric assessment procedures to the arena of sports. Introduces students to this discipline and provides knowledge to help enhance their own performances and the performances of others.
- 4180 (418) Coaching Speed/Strength Conditioning for Sports.** Three credits. Organizing and developing speed and strength conditioning programs for sports. Setting up and supervising proper methods and techniques in running, weight lifting, and conditioning exercise for athletics today.
- 4220 (422) Coaching Soccer.** Two credits. Theory and practice of soccer fundamentals as well as introduction of offensive and defensive plays.
- 4600 (460) Advanced Coaching of Football.** Two credits. Philosophies of coaching and a detailed study of the master plan of coaching responsibilities.
- 4620 (462) Advanced Coaching of Basketball.** Two credits. Offers the upper-level student an in-depth study of the profession. Philosophies of coaching discussed, along with a detailed study of the master plan of coaching responsibilities.
- 4640 (464) Coaching of Baseball.** Two credits. Theory and practice in the fundamentals as well as reviewing various systems of types of play.
- 4650 (465) Coaching Cross-Country, Track and Field.** Two credits. Theory and practice in fundamentals and skills.
- 4690 (469) Psychology of Coaching.** Three credits. Application of basic psychological principles to everyday coaching situations and problems. Designed to improve communication and motivation between players and coaches.
- 4800 (480) Administration of High School and College Athletics.** Three credits. Deals with administrative concerns of athletic eligibility, contest management, equipment, finances, budgets, safety, layout and maintenance of facilities, public relations, publicity, and current athletic trends.

## Courses in Athletic Coaching [ATHC]

- 3600 (360) Coaching Football.** Two credits. Theory and practice in fundamentals as well as introduction of offensive and defensive types of play. Emphasis on the basic aspects.
- 3610 (361) Coaching Basketball for Men.** Two credits. Theory and practice in the fundamentals as well as introduction of offensive and defensive types of play. Emphasis on the basic aspects.
- 3620 (362) Coaching Golf and Tennis.** Two credits. Prepares the student to teach the fundamental aspects of golf and tennis, with emphasis on adaptation to varied approaches in teaching and coaching.

## Courses in Athletic Training [ATHT]

- 2580 (258) Introduction to Athletic Training.** Three credits. Modern principles in the care, prevention, and management of sports injuries.
- 2590 (259) Topics in Athletic Training.** Two credits. Various topics and techniques with emphasis on the application of supportive and protective taping. A minimum of 60 directed clinical hours of observation required.
- 3000 (300A) Clinical A in Athletic Training.** Two credits. Prerequisites: ATHT 2580, 2590. Psychomotor skills used in the application of protective equipment, emergency procedures, care and treatment of athletic injuries, and use of basic modalities. A minimum of 200 clinical hours under the direct supervision of an approved clinical instructor required.
- 3001 (300B) Clinical B in Athletic Training.** Two credits. Prerequisite: ATHT 3000; corequisite: ATHT 3950. Psychomotor skills used in the evaluation and assessment of injuries to the lower extremities. A minimum of 200 clinical hours under the direct supervision of an approved clinical instructor required.
- 3002 (300C) Clinical C in Athletic Training.** Two credits. Prerequisite: ATHT 3001; corequisite: ATHT 3960. Psychomotor skills used in the evaluation and assessment of injuries to the upper extremities and thorax. A minimum of 200 clinical hours under the supervision of an approved clinical instructor required.
- 3003 (300D) Clinical D in Athletic Training.** Two credits. Prerequisite: ATHT 3002; corequisite: ATHT 4960. Psychomotor skills used in the rehabilitation of musculoskeletal injuries. A minimum of 200 clinical hours under the direct supervision of an approved clinical instructor required.
- 3950 (395) Evaluation and Assessment of Injuries to the Lower Extremities.** Three credits. Prerequisites: ATHT 2580; BIOL 2010. Evaluation and assessment of athletic injuries to the lower extremities and lumbar spine.
- 3960 (396) Evaluation and Assessment of Injuries to the Upper Extremities and Thorax.** Three credits. Prerequisites: ATHT 2580, 3950; BIOL 2010, 2020. Evaluation and assessment of athletic injuries to the upper extremities and thorax.
- 4000 (400) Strength, Conditioning, and Human Performance.** Three credits. Prerequisites: Anatomy, physiology, kinesiology, and weight training; or by permission of instructor. Theories and principles of strength training and conditioning and techniques used to become a strength and conditioning specialist or personal fitness trainer.
- 4430 (443) Practicum in Athletic Training.** Three credits. Prerequisites: ATHT 3003, 4960, and 4970. Athletic training internship in a non-traditional athletic training setting. A minimum of 150 clinical hours under the direct supervision of a clinical instructor required.
- 4500 (450) Therapeutic Medications and Ergogenic Aids in Sports.** Three credits. Principles, theories, and issues of the physiological and psychological response to pharmacological use and abuse of therapeutic medications and ergogenic aids in sports.
- 4950 (495) Pathology of Sport Illness and Consideration of Special Populations.** Three credits. Pathology of special problems and general medical conditions of athletes and others involved in physical activity. Includes an athletic training field experience.
- 4960 (496) Rehabilitation Techniques.** Three credits. Prerequisites: BIOL 2010, 2020; ATHT 3950, 3960. Methods and techniques in the selection and application of rehabilitation techniques.
- 4970 (497) Therapeutic Modalities.** Three credits. Prerequisites: BIOL 2010, 2020; PHYS 2010, 2011; ATHT 3950, 3960. Principles, theories, methods, and techniques in the application of selected therapeutic modalities. Includes a laboratory experience of psychomotor skills used in the application of therapeutic modalities.
- 4990 (499) Senior Seminar in Athletic Training.** Three credits. Prerequisites: ATHT 4960, 4970. Offers preparation for the NATABOC examination and discussion of current research in athletic training and sports medicine. Engages students in the process of reviewing, analyzing, discussing, and synthesizing research. Includes an athletic training field experience.

## Courses in Recreation [REC]

- 3000 (300) Leisure in Your Life.** Three credits. Issues relative to choices an individual and society make when utilizing "free" time and resources. Increased understanding of the multi-billion dollar leisure industry and its effect on our personal and collective lives.
- 3010 (301) Introduction to Recreation and Leisure Services.** Three credits. Development and basic concepts of the recreation and leisure services profession. History, definitions, theories, and social psychological concepts as well as career opportunities and areas of service delivery.
- 3360 (336) Camping and Camp Counseling.** Three credits. Emphasis on the camp counselor, including discussion of techniques and skills appropriate in various camp settings. Day-to-day management of residential, trip/travel, and special emphasis camps examined. Some off-campus experience.
- 3370 (337) Principles of Outdoor Recreation.** Three credits. Concepts, principles, and practices in various types of park, recreation, and tourism settings. Emphasis on overall and critical subsystems of the outdoor recreation management system primarily in public land settings.
- 3380 (338) Introduction to Recreation for Persons with a Disability.** Three credits. Explores issues surrounding recreation opportunities for persons with disabilities. Introduces important issues such as attitudes, advocacy, accessibility, legislation, and the broad range of opportunities in the provision of recreational services for persons with disabilities in our society.
- 3390 (339) Tourism and Commercial Recreation.** Three credits. Introduces the broad sector of recreation and leisure services profession which focuses on delivery of leisure travel and tourism-based recreation services and programs. Particular emphasis placed upon understanding the relationship between commercial recreation organizations and historical, cultural, and natural resources.
- 3520 (352) Leadership and Group Processes in Recreation and Leisure Services.** Three credits. Conceptual and human relationship skills required of effective professionals. Emphasis on understanding group dynamics and processes associated with leading activities, programs, and personnel in recreation and leisure settings. Key component will be field application of skills.

- 3530 (353) Program Planning in Recreation and Parks.** Three credits. The understanding of participant leisure behavior and needs, and ways organizations create services to respond to these leisure needs.
- 3540 (354) Planning of Park and Recreation Areas and Facilities.** Three credits. Prerequisites: REC 3010 and 3530. Planning principles, techniques, and standards as they relate to the construction of park and recreation areas and facilities.
- 3560 (356) Field Studies in Recreation and Parks.** Three credits. Prerequisites: REC 3010 and 3530. Provides an opportunity for supervised practical application of classroom theory in professional field work.
- 3570 (357) Outdoor Pursuits Education.** Three credits. Concentration on developing student's ability in adventure-based recreation and education. Emphasis placed on learning how to implement an outdoor pursuit experience for oneself and others. Both on- and off-campus experiences will be conducted and may involve day/overnight camping, canoeing, kayaking, rock climbing, rappelling, caving, ropes courses, and orienteering.
- 4340 (434) Wellness and Healthy Lifestyles.** Three credits. (Same as PHED/HLTH 4340.) Developing healthy lifestyles through health appraisal, fitness evaluation, identifying cardiovascular risk factors, and individual exercise prescriptions.
- 4470 (447) Leisure and Aging.** Three credits. Aging relative to the individual, family, peers, and society with an emphasis on leisure. The holistic approach including physical, psychological, social, cultural, environmental, and cognitive aspects. Interdisciplinary approach makes this course ideal for the developing or practicing human service professional.
- 4480 (448) Recreational Therapy Techniques.** Three credits. Exploration of the many activity-based therapeutic interventions currently utilized to alleviate existing health-related problems, maintain current level of functioning, or to assist in overall rehabilitation efforts of the transdisciplinary treatment team.
- 4490 (449) Campus Recreation.** Three credits. For those wishing to acquire a specific and comprehensive knowledge of the recreational sports program and an understanding of its place and value in education and society.
- 4499 Therapeutic Terminology in Recreational Therapy.** Three credits. Designed to provide students with an understanding of therapeutic terminology and the utilization of appropriate terminology for third party reimbursement, treatment teams, counseling, and medical documentation.
- 4500 (450) Introduction to Recreational Therapy.** Three credits. Prerequisite: REC 3010. Explores the profession of recreational therapy, the wide range of disabilities, and the role of intervention in a variety of settings: clinical, community, and transitional. Topics include history, philosophy, professional development/certification, systemic program design, and implementation.
- 4510 (451) Recreational Therapy in Clinical Settings.** Three credits. Increases understanding of recreational therapy in clinical settings, working with persons with health-related issues and/or disability. Concepts of disease and disability, holistic approach, interdisciplinary treatment, assessment, intervention planning and implementation, evaluation, documentation, and third party reimbursement explored.
- 4520 (452) Transitional and Community Recreational Therapy.** Three credits. Addresses issues clients may face when leaving institutions and returning to their communities. Examines the role and provision of recreational therapy services in transitional and community-based settings.
- 4540 (454) Organization and Administration of Recreation.** Three credits. Prerequisites: REC 3010 and nine additional hours of recreation coursework. Provides an opportunity for understanding the duties and responsibilities of an administrator and for developing the ability to perform these in recreation and leisure settings.
- 4570 (457) Outdoor Recreation Workshop.** Three credits. An off-campus course that provides materials and experiences unobtainable in the traditional classroom. Exposure to issues, trends, and concerns relevant to outdoor recreation, resource management, and the delivery of programs and services in outdoor environments. Public, private non-profits, and commercial agencies will be experienced through a series of field trips, talks, groups exercises, and other experiential-based activities.
- 4580 (458) Seminar: Outdoor Recreation and Environmental Issues.** Three credits. Increases awareness of the importance of environmental considerations when planning, managing, or administering outdoor recreation programs. Includes environmental issues and methods of seeking solutions to environmental problems.
- 4590 (459) Readings in Parks and Recreation.** Three credits. In-depth reading; preparation of an annotated bibliography and report. Arrangements for course should be made with the instructor prior to registration.
- 4600 (460) Technology Applications.** One credit. Prerequisite: An introductory course in computer literacy or equivalent with instructor permission; corequisite: REC 4601. Understanding and competency using a variety of technology applications related to the profession. Students required to enroll in corresponding lab during the same semester.
- 4601 (460L) Technology Applications Lab.** Two credits. Corequisite: REC 4600. Investigation and application of profession-specific software and hardware applications.
- 4660 (466) Evaluation of Recreation and Leisure Services.** Three credits. Research and evaluation procedures and techniques applicable to assessing recreation and leisure service programs, participants, administrative structures, and resources. Emphasis on beginning and completing a "real-world" evaluation project.
- 4790 (479) Sport and Society.** Three credits. (Same as SOC 4790.) A behavioral approach to the sport and leisure phenomena from the related perspectives of sociology and anthropology.
- 4890 (489) Pre-Internship Seminar.** One credit. Prerequisites: REC 3010 and junior standing. Review of philosophy and professional ethics of recreation and leisure services. Self assessment of student's strengths, limitations, and career aspirations. Preparation of reference files, letters, and resumes. Identification of, application to, and acceptance by department-approved agencies for completion of internship. Pass/Fail.
- 4900 (490A) Internship in Therapeutic Recreation.** Nine credits. Prerequisites: Departmental approval; minimum 2.25 GPA; REC 3010, 3530, 3540, 4540, and 4890; additional prerequisites: REC 4500, 4510, and 4480 or 4520. Provides practical experience. Student assigned to a field experience to spend an entire

semester or two summer sessions in on-the-job training with a recreational agency.

**4901 (490B) Internship in Outdoor Recreation.** Nine credits. Prerequisites: Departmental approval; minimum 2.25 GPA; REC 3010, 3530, 3540, 4540, and 4890. Provides practical experience. Student assigned to a field experience to spend an entire semester or two summer sessions in on-the-job training with a recreational agency.

**4902 (490C) Internship in Recreation.** Nine credits. Prerequisites: Departmental approval; minimum 2.25 GPA; REC 3010, 3530, 3540, 4540, and 4890. Provides practical experience. Student assigned to a field experience to spend an entire semester or two summer sessions in on-the-job training with a recreational agency.

**4920 (492) Special Problems.** One, two, or three credits. (Same as PHED/HLTH 4920.) Presentation and discussion of research in physical education, recreation, health and safety education, or athletics. (A maximum of three semester hours credit may be applied toward a degree.)

## Courses in Safety [SAFE]

**4320 (432) Principles of Accident Control.** Three credits. Basic course on principles, concepts, and methodology of the safety movement. Introductory experiences dealing with accident prevention and control efforts recommended for various social institutions and agencies.

**4350 (435) Automotive Transportation Safety Programs.** Three credits. Safety elements of automotive and other forms of transportation. Federal, state, and local legislation concerning transportation control and design.

**4850 (485) Driver and Traffic Safety Fundamentals.** Three credits. Prerequisite: Valid driver's license. Introduction to driver and traffic safety education. Primary focus on current concepts related to safe driving.

**4870 (487) Teaching Driver and Traffic Safety.** Three credits. Prerequisite: SAFE 4850. Designed to develop teaching techniques for laboratory instruction including on-street, driving simulator, and multiple-car-range programs.

## Graduate Study

The department offers the Master of Science in HPER with concentrations available in Health, Physical Education, or Recreation and a Master of Science with a major in Exercise Science and Health Promotion. A doctoral degree also is offered. Degree requirements and a list of courses offered for graduate credit are published in the Graduate Catalog.