

# COLLEGE OF HEALTH SCIENCE AND HUMAN SERVICE

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# COLLEGE OF HEALTH SCIENCE AND HUMAN SERVICE

## Accreditation

The Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredits the College of Health Science and Human Service programs in cardiovascular, respiratory care and kinesiotherapy. Programs with specialized accreditation or approval include athletic training by the Commission on Accreditation of Athletic Training Education, counseling by the Council for the Accreditation of Counseling and Related Educational Programs; kinesiotherapy by the American Kinesiotherapy Association; paralegal studies by the American Bar Association; recreation and recreation therapy by the National Recreation and Parks Association Council on Accreditation; social work by the Council on Social Work Education; speechlanguage pathology by American Speech-Language-Hearing Association; health information management by the Commission on Accreditation of Health Informatics and Information Management (CAHIIM), and community health by the Society for Public Health Education/American Association for Health Education Baccalaureate Approval Committee (SABPAC).

# **Degrees Offered**

The college offers associate's and bachelor's and post-baccalaureate certificates. Also offered are minors in counseling, criminal justice, exercise science, forensic science investigation, legal specialties, military science, and recreation and leisure studies.

# **Admission Policies**

Beginning in fall 2005, to be admitted to the College of Health Science and Human Service at The University of Toledo, direct-from-high-school students need a minimum cumulative high school grade point average (GPA) of 2.0 and must have taken an entrance examination (ACT/SAT). Students with a minimum ACT score of 24 or a minimum SAT score of 1110 will be admitted to the College of Health Science and Human Service regardless of high school GPA.

Students not qualifying for admission to the College of Health Science and Human Service will be admitted to University of Toledo Learning Collaborative (UTLC) as pre-majors. Students who want to transfer from UTLC to the College of Health Science and Human Service will need to earn 12 hours of college-level work with a minimum cumulative GPA of 2.0 in order to qualify for transfer.

## **Selective/Limited Admission**

The following programs require an additional application for admission:

Athletic training

Cardiovascular

Community health

Recreation and leisure studies

Recreational therapy

Respiratory care

Social work

# Requirements for Student with an Associate's Degree

A student holding an associate's degree from an accredited college is encouraged to enroll in the College of Health Science and Human Service, and



in many instances, may expect to earn a bachelor's degree upon completion of two additional years of full-time study. The following regulations apply:

- 1. Students must complete the equivalent of the specified University core.
- 2. In all baccalaureate programs, a minimum of 64 hours must be taken at the 2000 to 4000 levels; of these a minimum of 32 hours must be taken at the 3000 and 4000 levels. Course work from other institutions is accepted at the level at which the course was taught at that institution.

## **Admission with Transfer Credit from Another Institution**

A student with a satisfactory record wishing to transfer into the College of Health Science and Human Service must meet the minimum entrance requirements of The University of Toledo. The student may be required to take placement tests in English, chemistry and/or mathematics. Transfer courses are eligible for the evaluation process by the college after the student has submitted official transcripts from all colleges/universities attended and has been accepted by the College of Health Science and Human Service. The evaluation process must be completed before the end of the first term of attendance.

For purposes of determining GPA, grades from another institution do not transfer, but will be used to calculate any honors citations. The GPA will be based on the work taken while enrolled in the College of Health Science and Human Service. For students transferring to the College of Health Science and Human Service from other colleges within The University of Toledo, all undergraduate hours attempted and earned, as well as the GPA, will transfer.

# **Change of College**

Students in good standing (minimum cumulative GPA of 2.0) who wish to change from another college within The University of Toledo to the College of Health Science and Human Service should make an appointment with a college adviser in the college's Student Services Office to discuss the transfer and have academic records reviewed. All program requirements, including University core, must be fulfilled as specified in the catalog for the year in which the student enters the College of Health Science and Human Service.

# Readmission of Former Health Science and Human Service Students

Students who have withdrawn from the College of Health Science and Human Service and The University of Toledo and have not attended any other institution in the interim may be readmitted, provided they were eligible to continue enrollment in the college at the time they discontinued attendance. Students who have been suspended from the College of Health Science and Human Service must submit a written letter of petition. Students who readmit after more than 12 consecutive months must comply with existing program requirements at the time of readmission.

# **Honors Program**

The Honors Program in the College of Health Science and Human Service provides opportunities for challenging and individual study to undergraduate students of unusually high ability, motivation and initiative. For admission requirements, see Admission to the University Honors Program in the General Section of this catalog.

# **Academic Policies**

The College of Health Science and Human Service adheres to all of The University of Toledo policies and procedures. **Please refer to the General Section of this catalog for academic policies governing all students enrolled at the University.** In any case where University, college, departmental and/or program policies conflict, the most stringent policy applies, unless waived by the college. Students should consult with their program for a complete list of all policies and procedures specifically related to their program.

# **Academic Advising**

The Office of Student Services in the College of Health Science and Human Service coordinates academic advising. The office's mission is to



provide quality, timely and comprehensive student services that will enhance student success in achieving academic goals. Although the ultimate responsibility for making personal and educational decisions rests with the student, his/her potential for academic success can improve considerably through relationships with the college's advisers, who can provide assistance in identifying educational options and enhancing student potential.

Students in the College of Health Science and Human Service are assigned academic advisers by major. Essential services provided by advisers include degree requirements, career opportunities, and interpretations of college and University policies and procedures.

## **Student Responsibilities**

Students are responsible for the following:

Advising is required for all first-year students and strongly recommended at least once a year for all College of Health Science and Human
Service students.
All students must sign and date a program agreement upon declaring a major.
Readmit students are responsible for degree requirements in effect at the time of readmission.
Students are responsible for fulfilling all degree requirements.
Students are encouraged to meet with their academic advisers as needed for assistance.
Students must contact the Office of Student Services to schedule an advising appointment.

# **General Degree Requirements**

To obtain a degree in an undergraduate associate's degree program, students must complete a minimum of 60 hours of course work. Students in a baccalaureate program must complete a minimum of 124 hours of course work and have the proper number of credit hours as outlined in their program of study. In all baccalaureate programs, a minimum of 64 hours must be taken at the 2000 to 4000 levels; of these, a minimum of 32 hours must be taken at the 3000 and 4000 levels.

# **GPA Recalculation for Repeated Courses**

The College of Health Science and Human Service permits a maximum of 12 semester hours or the equivalent of 16 quarter hours of course work to be deleted from the GPA calculation. Students who have had their GPAs recomputed under the Academic Forgiveness Policy are not eligible for grade deletions.

# Withdrawal Policy (W Grades)

The number of credit hours of W is limited to 22 hours for all undergraduate students in degree programs in the College of Health Science and Human Service. Once a student has accumulated 22 hours of W, further withdrawals will be counted as F's in computation of the student's GPA for the purposes of probation or suspension. In addition, students risk the loss of financial aid if they accumulate excessive hours of W.

# **Academic Probation and Suspension**

A student with a cumulative GPA of less than 2.0 is automatically placed on probation until a cumulative GPA of 2.0 is achieved. While on probation, it is recommended a student not enroll for more than 12 to 14 credit hours.

Academic suspension means the student is prohibited from registering at The University of Toledo for a period of at least one semester. A student is subject to academic suspension if his or her GPA falls below the minimum listed in the General Section of the catalog or if he or she fails to make sufficient progress toward attainment of the degree by accumulating excess W grades. Students may remove Incompletes while under suspension. See the General Section of this catalog for additional details on University probation and suspension policies



## **Academic Grievance**

Students have the responsibility and right to call to the attention of a professor any course grade believed to be in error. The college grievance procedure must be initiated within 60 days of the posting of the final grade. Academic grievances must follow the procedure described below:

- ☐ The student meets with the professor to attempt to resolve the issue.
- If meeting with the professor does not resolve the issue, the student must discuss the issue with the department chair of the faculty member who issued the grade. The chair attempts to resolve the issue, but may not unilaterally change the grade.
- If meeting with the chair does not resolve the issue, the student appeal will be forwarded to the appropriate associate dean of the College of Health Science and Human Service.
- The college's Petition for Academic Grievance should be used for this purpose. The student must state the reasons for the appeal and the desired outcome. The student must meet with the associate dean to review and discuss the issue. The associate dean will attempt to resolve the issue by meeting with the appropriate faculty member, but may not unilaterally change the grade.

If the student wishes to continue the appeal, he/she must forward the appropriate information relative to the issue to the Student Grievance Council. Information on this process may be found in The University of Toledo Student Handbook.

Note: If the grievance occurs during the fall or summer semester, a grievance petition must be filed with the chair of the Student Grievance Council no later than the last day of classes in the next semester. If the grievance occurs during the spring semester, a grievance petition must be filed with the chair of the Student Grievance Council no later that the last day of classes in the final summer session.

## **Residence Requirement**

A full-time student transferring to the College of Health Science and Human Service must complete at least the final semester and 25 percent of his/her program of study in residence within the college. A part-time student must complete the last 12 credit hours and 25 percent of his/her program of study within the college.

# **Programs of Study**

# Department of Counselor Education and School Psychology Minor in Counseling

The Counseling Minor would allow undergraduates to learn basic concepts and skills used in the counseling profession includeing counseling theories and skills, substance abuse treatment and prevention and case management. the minor will not lead to licensure or certification but will be a food foundation for students wishing to pursue a master's degree in counseling.

The counseling Minor requires a minimum of 21 semester hours as follows:

CESP Required Core Course (4 hours)

COUN 1110 Fundamentals of Human Mental Health .... 4 sem hours

CESP Electives (17 hours)



# **Department of Criminal Justice**

Lois Ventura, interim chair

# **Degree Programs**

Criminal Justice Bachelor's degree Criminal Justice Minor Forensic Science Investigation

As an academic field of study, criminal justice examines crime, deviance, criminal justice agencies and systems, the nature of justice, law and social control.

#### **Bachelor of Science in Criminal Justice**

The bachelor of science (B.S.) degree in criminal justice is designed to prepare a student to enter law enforcement, corrections, probation, parole, private security, juvenile justice and related careers. In addition, the B.S. program is good preparation for students who wish to attend graduate school in criminal justice or a related field, or law school. The B. S. curriculum consists of a liberal arts core; criminal justice core and elective classes; general electives; and supporting courses from disciplines that form an understanding of justice, such as political science, public administration, sociology, history, business and social work. Because good communication and computer skills are important to the criminal justice professional and to students planning to attend graduate or law school, courses in writing, speaking and computer use are part of the curriculum. The faculty are committed not only to teaching about criminal justice systems, but also to challenging students to explore the concept of justice and to develop their own ethical paradigms. Accordingly, course work in ethics is required. Faculty members also emphasize the development of critical thinking, analytical and problemsolving skills in their instruction.

## Requirements for the Bachelor of Science in Criminal Justice

Students should follow and complete the degree requirements as displayed in the criminal justice program of study chart.

Requirement	Hours
University core courses	33
Criminal justice required courses	42
Criminal justice elective courses	12
Computer science/applications courses	6
Supporting course electives	9
General electives	22
Minimum total hours	124
Minimum hours at 2000/4000 level	64
Minimum hours at 3000/4000 level	32
Minimum graduation GPA	2.0

#### **Minor in Criminal Justice**

This minor is designed to give the student an overview of the criminal justice discipline and includes an introductory survey course and one foundation course in each of the four areas recommended by the Academy of Criminal Justice Sciences. The remaining six hours give the student freedom to explore particular areas of interest in criminal justice.

Requi	red:	21 hours	
CRIM	1010	Criminal Justice	3
CRIM	1110	Penology	3
CRIM	1240	Policing	3
CRIM	2230	Constitutional Law	3
CRIM	2250	Invenile Instice	3



CRIM Electives at the 3000/4000 level ......6

## **Minor in Forensic Science Investigation**

The minor in forensic science investigation is designed to provide an overview of the importance of forensic science evidence in the criminal justice system. Students will learn about the rules and procedures of evidence pertaining to the admissibility of scientific and physical material, the basic methods of collection, preservation and analysis of evidence, and the methods of presentation of evidence in court.

This minor is designed to help students planning to work for law enforcement agencies to better understand the importance and different types of forensic science evidence in criminal investigations. It is not designed for students who plan to work in a crime lab or in jobs requiring in-depth scientific analysis of evidence. Those students will need to obtain a degree (preferably on the graduate level) in the natural sciences.

Requir	red: *	25 hours	
BIOL	2020	Mammalian Form and Function	4
BIOL	2170	Fundamentals of Life Science II	4
BIOL	2180	Fundamentals of Life Science II Lab	1
CHEM	1100	Concepts in Chemistry	3
CHEM	1150	Concepts in Chemistry Lab	1
CRIM	2210	Criminal Investigation I	3
CRIM	2220	Laws of Evidence	3
CRIM	3290	Criminal Investigation II	3
CRIM	4940	Criminal Justice Internship	3

<sup>\*</sup> Students will be responsible for meeting all of the prerequisites and corequisites for the required courses in the minor.

## **Prelaw Studies**

No particular degree is required for admission to law school, but students interested in studying law should have good communication, logic and analytical skills and possess a fundamental understanding of government.



Criminal justice, as well as many other majors, is good preparation for law school. The department of criminal justice has faculty members who are graduates of law schools and who are available for advising. Contact the department office for more information.

	Fall Semester	Spring Semester
Freshman Year	ENGL 1100 or 1110 College Comp.   3   PSY 1010 Principles of Psychology   3   CRIM 1010 Criminal Justice	CRIM 1110 Penology 3 CRIM 1240 Policing 3 PSC 1200 American National Govern. 3 SOC 1010 Intro to Sociology 3 MATH 1180 Math for Liberal Arts 3 (or higher)
		Total 15 hours
Sophomore Year	CRIM 2200 Criminal Law 3 CRIM 2230 Constitutional Law 3 ENGL 1130 or higher College Comp II 3 Humanities/Fine Arts Course 3 Elective 3	CRIM 2150 Applied Psy & Crim 3 CRIM 2250 Juvenile Justice 3 Humanities/Fine Arts Course 3 Natural Science 3 Elective 3
	Total 15 hours	Total 15 hours
Junior Year	CRIM Electives         6           Natural Science         3           Multicultural Course         3           Electives         6	CRIM 4100 Research Methods in CJ 3 CRIM Elective 3 Electives 9
	Total 18 hours	Total 15 hours
Senior Year	CRIM 4200 Ethics in Criminal Justice 3 CRIM 4590 Adm. of Criminal Justice 3 Electives 9	CRIM 4300 Theories of Crim. Justice 3 CRIM Elective 3 Electives 6 Multicultural Course 3
	Total 15 hours	Total 15 hours

Courses are available in the summer. Students should consult an academic adviser or the summer course schedule to develop a program of study that includes summer courses. Please note that CRIM 4590 is a capstone class required to be taken at the University of Toledo.

**Bachelor of Science in Criminal Justice – Degree Program Requirements** Students should follow and complete the degree requirements as displayed.

# **Department of Health Professions**



#### **Degree Programs**

Cardiovascular
Associate's degree
Health Information Management
Bachelor's degree
Respiratory Care Program
Bachelor's degree

#### Cardiovascular

Suzanne Wambold, director Mohammad Maaieh, M.D., F.A.C.C., medical director Mohammad FaroogAfridi, M.D., medical director

Accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), the cardiovascular program is designed to provide its graduates with detailed training in EKG interpretation, ambulatory monitoring and scanning, exercise stress testing, noninvasive cardiology (echocardiography) and noninvasive peripheral vascular exams. Laboratory experience is provided on and off campus, and clinical experience is provided off campus.

Students completing the associate's degree have the option of concentrating in noninvasive cardiology (echocardiography) or noninvasive peripheral vascular courses in their second year of study. Echocardiographers use ultrasound instrumentation to create images of the heart called an echocardiogram. They also assist physicians who perform transesophageal echocardiograms. Peripheral vascular technologists use ultrasound instrumentation to record vascular information on the upper and lower extremities, such as vascular blood flow, blood pressure, limb volume changes and peripheral circulation. Associate's degree recipients qualify to take a National Registry exam, through either the American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI).

#### **Selective Admissions Requirements**

Acceptance into the cardiovascular program is limited due to the number of students who can be accommodated by the faculty and clinical facilities. Once admitted to the University, each student must file a separate application for the cardiovascular technology program with the college selective admissions committee. A written statement regarding selective admission criteria is available upon request from Student Services. The student will be notified in writing of acceptance into the program.

#### Associate of Applied Science in Cardiovascular Degree Requirements

Students should follow and complete the degree requirements as displayed in the cardiovascular (echocardiography or peripheral vascular) program of study chart.

#### **Degree Requirements**

Associate of Applied Science in Cardiovascular- Echocardiography Concentration – Degree Requirements



Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester		Summer Semester
Freshman Year	CARD 1180 Cardiac Dysrhythmias CARD 1190 Cardiac Dysrhythmias Lab KINE 2560 Anatomy & Physiology I KINE 2460 Anatomy & Physiology Lab ENGL 1110 College Composition I HEAL 1800 Medical Terminology HHS 1000 Orientation	4 1 3 1 3 3	CARD 1280 12-lead Interpretation CARD 1290 12 lead Interpretation Lab KINE 2570 Anatomy & Physiology II KINE 2470 Anatomy & Physiology Lab RCBS 3300 ACLS ENGL 2950 Science & Tech Report Writing MATH 1320 College Algebra	4 1 3 1 1 3 3	CARD 1390 12-Lead EKG Interpretation Clinical 4
	Total 16 hours		Total 16 hours		Total 4 hours
Sophomore Year	CARD 2080 Echocardiography CARD 2090 Echocardio Lab/Clinical I CARD 2370 Ultrasound Instrument Mechanics and Wave Physics PSY 1010 Prin. of Psychology Humanities/Fine Arts Elective	4 4 1 3 3	CARD 2180 Advanced Echocardiography CARD 2190 Echocardio Lab/Clinical II CARD 2380 Ultrasound Physics and Instrumentation Humanities/Fine Arts Elective Social Science Core Elective	2 4 4 3 3	CARD 2500 Cardiovascular Clinical 3
Soph	Total 15 hours		Total 16 hours		Total 3 hours

Associate of Applied Science in Cardiovascular- Peripheral Vascular Concentration – Degree Requirements Students should follow and complete the degree requirements as displayed.

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	Fall Semester	Spring Semester	Summer Semester
Freshman Year	CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Physiology Lab 1 ENGL 1110 College Composition I 3 HEAL 1800 Medical Terminology 3 HHS 1000 Orientation 1	CARD 1280 12-lead Interpretation 4 CARD 1290 12 lead Interpretation Lab 1 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Physiology Lab 1 RCBS 3300 ACLS 1 ENGL 2950 Science & Tech Report Writing 3 MATH 1320 College Algebra 3	CARD 1390 12-Lead EKG Interpretation Clinical 4  Total 4 hours
	Total 16 hours	Total 16 hours	
Sophomore Year	CARD 2400 Peripheral Vascular- Venous Disorders 4 CARD 2410 Peripheral Vascular – Laboratory/Clinical I 4 CARD 2370 Ultrasound Instrument Mechanics and Wave Physics 1 PSY 1010 Prin. Of Psychology 3 Humanities/Fine Arts Elective 3	CARD 2380 Ultrasound Physics and Instrumentation 4 CARD 2420 Peripheral Vascular — Arterial Disorder 2 CARD 2430 Peripheral Vascular Laboratory/Clinical II 4 Humanities/Fine Arts Elective 3 Social Science Core Elective 3	CARD 2500 Cardiovascular Clinical 3
Soph	Total 15 hours	Total 16 hours	Total 3 hours



#### **Health Information Management**

Marie Janes, director

## **Bachelor of Science in Health Information Management**

The curriculum of the bachelor of science degree in health information management (HIM) encompasses a broad range of disciplines, including medicine, health, business and information management. Graduates serve in a variety of health-care management roles, including planning, organizing, controlling and evaluating health information systems; applying legal principles, policies, regulations and standards and analyzing their impact on risk management; and supervising personnel in various health-care settings. Health information administrators are responsible for health records and must assure adequate documentation for accurate classifying and indexing of diagnoses, treatments and procedures for the purpose of planning, research and reimbursement. Health information managers are responsible for planning, engineering, administration, application and policy administration.

Professional practice experience (PPE) is an integral part of the health information management curriculum whereby students are placed in facilities to gain firsthand experience in the profession. Two PPEs are incorporated into the HIM curriculum – one at the completion of the second year of study and one at the completion of the fourth year of study. Students gain knowledge of manual and electronic health information management systems, storage and retrieval systems (manual and computerized), compliance, privacy, audits, and department management and supervision.

The program also provides an opportunity for individuals to work toward a baccalaureate in HIM through articulation agreements with partner colleges. Most courses in HIM are provided in the distance-learning format.

Note: The Health Information Management program has been accredited by The Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) with the Commission on Accreditation. Graduates of the HIM program at The University of Toledo are eligible to sit for the certification examination. The American Health Information Management Association (AHIMA) grants successful examination candidates recognition as Registered Health Information Administrator (RHIA).

#### **Degree Requirements**

Students should follow and complete the degree requirements as displayed in the health information management program of study.



## **Bachelor of Science in Health Information Management**

Students should follow and complete the degree requirements.

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	HHS 1000 HHS/College Orientation	KINE 2570 Human Anatomy & Physiology II 3 KINE 2470 Anatomy & Physiology II Lab 1 MATH 1180 Mathematics for Liberal Arts 3 BMGT 1540 Organizational Behavior or BUAD 2030 Leadership and Org Sur Skills 3 Social Science Elective 3 Natural Science Elective 3	
Sophomore Year	ENGL 2950 Science & Technical Report Writing or ENGL 2960 Organizational Report Writing 3 KINE 2580 Human Pathophysiology 3 Social Sci Gen Ed or Social Sci Elective 3 Humanities/Fine Arts Elective 3 Total 15 hours	HIM 2210 Med Linguistics in Ancillary Scvs 3 MATH 2600 Introduction to Statistics 3 BMGT 2020 Human Resource Mgmt 3 ACTG 2310 Cost Accounting in HC 3 Multicultural Elective 3	
Junior Year	HIM 3200 HC Res, Payers, & Consumer 3 HIM 3210 Acute Care Clinical Classification Systems & Services 3 HIM 3230 HC Documentation Req 3 Upper division Program Support Course	HIM 3220 Ambulatory Clinical Classification Systems and Services 3 HIM 3240 Health Info Admin Practices 4 Humanities/Fine Arts Elective 3 Elective 3 HCAR 4360 Quality Improvement- Health Care 3 Total 16 hours	HIM 3940 Professional Practice 4  Total 4 hours
Senior Year	HIM 4200 Reimbursement Methodologies 2 HIM 4210 Healthcare Stats, Registr, Resch 3 HIM 4260 Legal & Ethical Issues in HC 3 HIM 4220 Project Management in HC 3 Upper division Program Support Course3 Elective (Foreign Language Recommended) 3 Total 17 hours	HIM 4910 Integrative Capstone Exp 3 HIM 4940 Professional Practice II 4 HCAR 4500 Health Care Informatics 4 Elective (Foreign Language Recommended) 3  Total 14 hours	Catalog

#### Notes:

- Graduation requirements require 126 credit hours
- Students must complete at least 64 hours at the 2000 course level or above
- Students must complete at 32 hours at the 300, 4000 course level
- See Advisor for program support and course selection

## **Respiratory Care Program**

Suzanne Spacek, director Michael Troxell, director of clinical education Robert May, M.D., medical director James Tita, D. O., associate medical director

Respiratory care is an allied health specialty. Respiratory care practitioners work with physicians in the treatment, management, control, diagnostic evaluation and care of patients with deficiencies and abnormalities associated with the cardiopulmonary system.



The respiratory therapist sees a diverse group of patients ranging from newborn and pediatric patients to adults and the elderly. Disease states or conditions often requiring respiratory care include asthma, emphysema, chronic obstructive lung disease, pneumonia, cystic fibrosis, infant respiratory distress syndrome and conditions brought on by shock, trauma or post-operative surgical complications.

Respiratory therapists also are involved in many specialty areas in the hospital, such as newborn labor and delivery, neonatal and pediatric intensive care units, pulmonary function laboratory, sleep laboratory and adult intensive care units. The respiratory therapist with a baccalaureate degree is prepared to deliver respiratory care in the hospital, home and alternate care sites.

The respiratory therapist with a baccalaureate is an advanced-level practitioner and is eligible to sit for the national board exam for entry-level certification, to become registered as an advanced practitioner, and to take specialty examinations in perinatal/pediatrics and pulmonary function technology.

#### Selective Admissions Requirements

Acceptance into the respiratory care program is limited due to the number of students who can be accommodated by the faculty and clinical facilities. Once admitted to the University, each student must file a separate application for the respiratory care program with the college selective admissions committee. Selective admission criteria are listed below. the Respiratory Care Program Web page at <a href="https://www.hhs.utoledo.edu/respiratorycare/admissionreq.html">www.hhs.utoledo.edu/respiratorycare/admissionreq.html</a>.

- □ Complete the following courses (or their equivalent or higher) with a grade of C or better: ENGL 1110 College Composition I; ENGL 1130 College Composition II; HEAL 1800 Medical Terminology; CHEM 1120 Chemistry for Health Sciences; and KINE 2560 Anatomy & Physiology I, and KINE 2460 Anatomy & Physiology I Lab; and KINE 2570 Anatomy & Physiology II, and KINE 2470 Anatomy & Physiology II Lab, Math 1320 (College Algebra), and KINE 2590 (Microbiology and Infectious Diseases).
- ☐ Minimum cumulative GPA of 2.5 (college or higher education).
- In addition to cumulative GPA, the student's GPA in the courses fulfilling the math and science prerequisite course requirements (MATH 1320, CHEM 1120, KINE 2460, 2470, 2560, 2570, and 2590) will be evaluated.

The most recent version of the selective admission criteria may be accessed on the Respiratory Care Program Web page at www.hhs.utoledo.edu/respiratorycare/admissionreq.html.

## Bachelor of Science in Respiratory Care

Students should follow and complete the degree requirements as displayed in the baccalaureate respiratory care program of study chart.

## **Bachelor of Science in Respiratory Care – Degree Requirements**



	Fall Semester	Spring Semester	Summer Semester
Freshman Year	HHS 1000 College Orientation 1 MATH 1320 College Algebra 3 KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Physiology I Lab 1 HEAL 1800 Medical Terminology 3 ENGL 1110 College Composition I 3	ENGL 1130 or higher College Comp II 3 PHIL 1020 Critical Thinking 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Physiology II Lab 1 CHEM 1120 Chemistry for Health Sciences 4	
	Total 14 hours	Total 14 hours	
Sophomore Year	KINE 2590 Microbiology & Inf. Diseases 3 HEAL 3800 Death & Dying 3 CMPT 1100 Computer Info. Applications 3 Professional Support Elective (see list) 3 Multicultural Elective 3	HEAL 4700 Nutrition Science 3 PHIL 3370 Medical Ethics 3 PSY 1010 Introduction to Psychology 3 Professional Support Elective (see list) 3 Humanities Elective 3	RCBS 3010 Respiratory Care Fundamentals 4 RCBS 3020 Respiratory Care Practice I 4
So	Total 45 hours	Total 15 hours	Total 8 hours
-	Total 15 hours		Total 8 nours
Junior Year	RCBS 3110 Resp. Care Therapeutics I 4 RCBS 3120 Resp. Care Practice II 7 RCBS 3130 Cardiopulmonary Diagnostics I 4	RCBS 3210 Resp. Care Therapeutics II 4 RCBS 3220 Respiratory Care Practice III 7 RCBS 3230 Cardiopulmonary Diagnostics II 3 Social Science Elective 3	
	Total 15 hours	Total 17 hours	
Senior Year	RCBS 4140 Integrated Clinical Practice I 4 RCBS 4150 Neonatal/Pediatric Resp. Care 4 RCBS 4160 Clinical Assessment 3 RCBS 4700 Res, Analysis in Resp. Care 3	RCBS 3300 Adv. Cardiac Life Support 1 RCBS 4240 Integrated Clinical Practice II 3 RCBS 4510 Resp. Care in Alternate Sites 3 RCBS 4800 Issues in Prof. Practice 3 RCBS 4810 Prep. For Prof. Practice 1 Multicultural Elective 3	

#### Professional Support Electives (choose 2)

HEAL 2500 Personal Health

HEAL 2700 Community Health

HEAL 3500 Environmental Health HEAL 4560 Health Problems of Aging

HEAL 4800 Public Health Research & Statistics

HIM 3200 Health Care Resources, Payers & Consumers

HCAR 4530

HCAR 4510 Medical and Legal Aspects of Health Care

HCAR 4530 Problem Solving in the Health Care Environment HCAR 4550 Health Care Finance

RCBS 4740 Polysomnography I

RCBS 4760 Polysomnography II

HCAR 4360 Quality Assurance in Health Care

## Respiratory Care Degree Completion Track (R.R.T. to B.S.R.T.)

The program is designed as a nontraditional track for individuals who have completed an associate's degree in respiratory care and have already earned the Registered Respiratory Therapist (RRT) credential granted by the National Board for Respiratory Care. The program includes upper division professional courses, which are contained in the traditional B.S. program, but allows for student selection of an area of specialization for enhanced professional growth. In addition, the professional support courses encompass many issues in health care and health education that are relevant to the practicing professional.

#### **Bachelor of Science Degree Requirements for Completion Track**

In order to complete the bachelor of science degree in respiratory care, a student must take 124 semester hours and maintain a minimum UT GPA of 2.0. A minimum of 64 hours must be taken at the 2000 to 4000 levels, with a minimum of 32 hours at the 3000 and 4000 levels. The following are the R.R.T. to B.S. degree completion track curriculum requirements:

Requirement	Hours
University Core Curriculum	27-30
Lower Division Professional Courses	30-35
Upper Division Professional Courses	13
Required Professional Courses (7)	
Area of Specialization (6)	
Professional Support Courses	22
General electives	21-26
Minimum total hours	124



Required Courses (7 hours)

- required		nouis)
RCBS	4160	Clinical Assessment3
RCBS	3300	Advanced Cardiac Life Support1
RCBS	4700	Research Analysis in Respiratory Care3
Area of S	pecializatio	on (Select a minimum of 6 hours)
RCBS	4150	Neonatal/Pediatric Respiratory Care4
RCBS	3230	Cardiopulmonary Diagnostics II3
RCBS	4510	Respiratory Care in Alternate Sites3
RCBS	4800	Issues in Professional Practice
RCBS	4740	Polysommography I3
RCBS	4760	Polysommography II3
Profession	onal Supp	oort Courses
Required	Profession	nal Support Courses (16 hours)
HCAR	4360	Quality Assurance in Health Care3
HCAR	4530	Problem Solving in the Health Care
		Environment4
HCAR	4510	Medical and Legal Aspects of Health Care3
HCAR	4550	Health Care Finance3
PHIL	3370	Medical Ethics3
Professio	nal Suppor	rt Electives (6 hours)
HEAL	3500	Environmental Health3
HEAL	3800	Death and Dying3
HEAL	4560	Health Problems of Aging3
HEAL	4700	Nutritional Science3
HEAL	4800	Public Health Research and Statistics
HIM	3200	Healthcare Resources, Payers &
		Consumers3
General	Electives	21-26

# Department of Kinesiology

Charles Armstrong, chair

## **Degree Programs**

Bachelor of Science in Exercise Science
Biomechanics
Applied and Clinical Physiology
Exercise Physiology
Kinesiotherapy
Pre-physical Therapy
Bachelor of Science in Athletic Training

#### **Exercise Science**

The bachelor of science degree in exercise science (B.S.E.S.) is designed for those students who want to study the anatomical, physiological, biomechanical and psychological bases of human physical performance. The curriculum has a strong foundation in the natural sciences, and students have the opportunity to major in athletic training or specialize in one of the following five areas: kinesiotherapy, applied and clinical physiology, exercise physiology, biomechanics, and pre-physical therapy. Many students use the degree as a steppingstone to post-graduate education in exercise science, medicine and other allied health fields, such as physical therapy and occupational therapy.

## **Bachelor of Science in Exercise Science Degree Requirements**



Students should follow and complete the degree requirements as displayed in the exercise science (biomechanics, applied and clinical physiology, exercise physiology, kinesiotherapy or pre-physical therapy) or athletic training program of study charts.

#### **Athletic Training**

The B.S. in athletic training prepares students for entry-level positions in college/university, high school, sports medicine clinic, professional sports and industrial settings. Athletic trainers work under physicians to ensure the health and safety of physically active individuals. Athletic trainers work cooperatively with other allied health personnel and coaches to accomplish this goal. The athletic training education program is accredited by the Commission on Accreditation of Athletic Training Education. In Ohio, athletic training is a licensed profession requiring an additional examination to be licensed. Athletic training is a regulated profession in 45 states, and the UT program meets or exceeds the criteria in almost all of those states.

Any student may declare an interest in the athletic training education program and begin the preprofessional component of the program. Students are accepted into the professional component, however, on a space-available basis. To do this, at the end of the first year, each student must file an application for acceptance into the professional component of the athletic training education program, with the program director. The maximum capacity of the entering the second year class is based on instructional capacity, the number of off-campus clinical sites, and the number of clinical opportunities in intercollegiate athletics at UT. Students starting the athletic training education program after the beginning of their freshman year, whether transferring into the education program from within or outside of the University, begin in the fall semester **only** and are required to take KINE 1110 Introduction to Athletic Training at that time. Acceptance into the professional program occurs at the beginning of a student's second year of involvement with the athletic training education program. The Board of Certification (BOC) requires athletic training students to complete their clinical experience during a minimum of two years and a maximum of five years. Thus, transfer students may not complete the athletic training education program in less than four years from the date of the first contact with the program.

For more information, see the athletic training education program.

#### **Biomechanics**

The B.S.E.S. concentration in biomechanics combines course work, research and clinical experience in the application of principles of physics, engineering and computer science to the study of human physical performance. Students in this concentration use tools such as high-speed video and electromyography to study such topics as the basis of sport injury, the effects of disease on human motion and techniques for facilitating sport performance. Those who choose this option generally intend to prepare for graduate study in biomechanics or other areas such as podiatry, prosthetics, physical or occupational therapy or medicine.

2008-2009 Catalog

## **Applied and Clinical Physiology**

Many exercise science students are interested in applying their interest and expertise in human physical performance to the prevention and treatment of disease and disability, the enhancement of health and fitness, and to facilitating sport performance through training and conditioning. The B.S.E.S. concentration in applied and clinical physiology is designed for these students. Beyond the required exercise science courses, these students take additional course work that focuses on the use of exercise in the diagnosis and treatment of cardiovascular disease, as well as on the development of programs to enhance heath and fitness. In addition to an internship and a senior research project, many of these students complete one or more of the certification programs offered by organizations such as the American College of Sports Medicine and the National Strength and Conditioning Association. These certifications, in combination with the student's academic training, provide excellent credentials for employment in wellness programs, cardiovascular rehabilitation and many commercial fitness facilities. A popular option for students interested in this program involves combining the courses in the associate's degree program in cardiovascular technology with the B.S.E.S. program in applied and clinical physiology. Graduates of this optional program will be eligible to take a National Registry exam, through either American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI). Typically, these individuals find employment in hospital-based cardiology and cardiovascular rehabilitation programs.

## **Bachelor of Science in Athletic Training Degree Requirements**



Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	HHS 1000 Orientation ENGL 1110 College Composition I KINE 1110 Intro to Clinical Athl. Training. MATH 1340 Algebra & Trig BIOL 2150 Fund of Life Science I BIOL 2160 Fund of Life Science I Lab Total 15 hours	1 3 2 4 4 1	KINE 1650 Foundations of Athl Training KINE 1660 Taping Lab KINE 1700 Intro to Exercise Science HEAL 1500 First Aid KINE 2510 Human Anatomy KINE 2520 Human Anatomy Lab BIOL 2170 Fund of Life Science II BIOL 2180 Fund of Life Science II Lab Total 17 hours	3 1 2 2 3 1 4
Sophomore Year	KINE 2610 Lower Extremity Evaluation KINE 2710 Clinical Skill Dev. I ENGL 2950 Scientific Tech Rpt. Writing. CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab Multicultural Elective	3 2 3 4 1 3	KINE 2530 Human Physiology KINE 2540 Human Physiology Lab KINE 2620 Upper Extremity Evaluation KINE 2720 Clinical Skill Dev. II PSY 1010 Principles of Psychology COMM 1010 Communications Principles  Total 15 hours	3 1 3 2 3 3
Junior Year	KINE 3520 Ex. Physiology KINE 3530 Ex. Physiology Lab KINE 3610 Medical Conditions KINE 3630 Therapeutic Modalities (Int. Lab) KINE 3710 Clinical Skill Dev. III PHYS 2070 Physics-Mechanical Total 17 hours	3 1 2 3 3 5	KINE 2960 Growth, Dev.,Motor Act KINE 3660 Rehab (Int. Lab) KINE 3720 Clinical Skill Dev. IV PHCL 2200 Drugs, Meds. & Soc. Humanities/Fine Arts Elective	4 3 3 3 3
Senior Year	HEAL 2500 Personal Health MATH 2600 Intro. Statistics KINE 4540 Applied Biomechanics KINE 4550 Biomechanics Lab KINE 4650 Admin AT Programming KINE 4710 Clinical Skill Dev. V  Total 16 hours	3 3 3 1 3 3 3	KINE 4720 Clinical Skill Dev. VI KINE 4910 Senior Research Project HEAL 4700 Nutrition Science Multicultural Elective Social Science Core Elective  Total 17 hours	4 4 3 3 3 3



# **Bachelor of Science in Exercise Science – Biomechanics Degree Requirements**



	Fall Semester		<b>Spring Semester</b>	
Freshman Year	MATH 1850 Calculus I ENGL 1110 College Composition I KINE 1700 Intro to Exercise Science BIOL 2150 Fund of Life Science I BIOL 2160 Fund of Life Science I Lab HHS 1000 Orientation  Total 15 hours	4 3 2 4 1	MATH 1860 Calculus II HEAL 1500 First Aid BIOL 2170 Fund of Life Science II BIOL 2180 Fund of Life Science II Lab EECS 1050 Intro to Comp. In C/C++ HEAL Health Elective 3  Total 16 hours	4 2 4 1 2
Sophomore Year	CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab KINE 2510 Human Anatomy KINE 2520 Anatomy Lab PHYS 2140 Physics for Sci. & Engr. II PSY 1010 Principles of Psychology  Total 17 hours	4 1 3 1 5 3	PHYS 2130 Physics for Sci. & Eng. I KINE 2530 Human Physiology KINE 2540 Human Physiology Lab ENGL 2950 Scientific Tech. Rpt. Wtr. Humanities/Fine Arts Elective	5 3 1 3 3
Junior Year	CIVE 1150 Engr'g Mechanics: Statics KINE 2960 Growth, Dev., & Motor Act. KINE 4540 Applied Biomechanics KINE 4550 Applied Biomechanics Lab KINE 4990 Independent Study Total 14 hours	3 4 3 1 3	MIME 2300 Engr'g Dynamics KINE 3520 Applied Exercise Physiology KINE 3530 Exercise Physiology Lab KINE 3820 Sports Medicine for Coaches KINE 4900 Human Performance Sem COMM 3840 Interpersonal Comm Total 17 hours	3 3 1 3 3 4
Senior Year	KINE 4990 Independent Study RESM 4100 Statistics HEAL 4700 Nutrition Science HEAL Health Elective Multicultural Elective Total 15 hours	3 3 3 3 3	KINE 4910 Senior Research Project KINE 4990 Independent Study KINE Kinesiology elective Social Science Core Elective Multicultural Elective Total 16 hours	4 3 3 3 3





	Fall Semester		Spring Semester	
Freshman Year	CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab KINE 1700 Intro to Exercise Science ENGL 1110 College Composition 1 MATH 1340 Algebra & Trig HHS 1000 College Orientation	4 1 2 3 4 1	CHEM 1240 General Chemistry II CHEM 1290 General Chemistry II Lab ENGL 2950 Scientific Tech. Rpt. Wrtg. HEAL 1500 First Aid Humanities/Fine Arts Elective Social Science Core Elective	4 1 3 2 3 3
	Total 13 hours		Total 16 hours	
Sophomore Year	BIOL 2150 Fund. Life Science I BIOL 2160 Fund Life Science I Lab KINE 2510 Human Anatomy KINE 2520 Human Anatomy lab KINE 2960 Growth Devel. & Motor Lrng. Multicultural Non Western Elective	4 1 3 1 4 3	BIOL 2170 Fund. Life Science II BIOL 2180 Fund. Life Science II Lab KINE 2530 Human Physiology KINE 2540 Human Physiology Lab HEAL Health Elective Social Science Core Elective	4 1 3 1 3 3
	Total 16 hours		Total 15 hours	
Junior Year	PHYS 2070 General Physics I CARD 1180 Cardiac Dysrythmias CARD 1190 Cardiac Dysrythmias Lab KINE 3520 Appl'd Exercise Physiology KINE 3530 Appl'd Exercise Phys. Lab KINE 3730 Fitness Assess. & Program Total 16 hours	5 4 1 3 1 2	CARD 1280 12-Lead Interpretation CARD 1290 12-Lead Interpretation Lab KINE 3820 Sports Medicine for Coaches COMM 3840 Interpersonal Comm. KINE 2580 Human Pathophysiology	4 1 3 4 3
Senior Year	KINE 4540 Biomechanics KINE 4550 Biomechanics Lab KINE 4910 Senior Project RESM 4100 Educational Statistics HEAL Health Elective HEAL 4700 Nutrition Science	3 1 4 3 3 3	KINE 4850 Exercise Testing & Program. KINE 4860 Exercise Testing & Prog. Lab KINE 4940 Internship HEAL Health Elective Multicultural Diversity US Culture Elective Total 14 hours	3 1 4 3 3





# Bachelor of Science in Exercise Science – Applied and Clinical Physiology

# - Cardiovascular Option Requirements

	Fall Semester	<b>Spring Semester</b>	Summer Semester
Freshman Year	CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab ENGL 1110 College Composition I MATH 1320 College Algebra HEAL 1800 Medical Terminology HHS 1000 College Orientation	CHEM 1240 General Chemistry II CHEM 1290 General Chemistry II Lab ENGL 2950 Scientific Tech. Rpt. Wrtg. PSY 1010 Principles of Psychology Humanities/Fine Arts Elective	4 1 3 3 3 3 3
	Total 15 hours	Total 14 hours	
Sophomore Year	BIOL 2150 Fund. Life Science I BIOL 2160 Fund Life Science I Lab KINE 2560 Anat. & Physiology I KINE 2460 Anat. & Physiology I Lab Social Science Core Elective Multicultural Non Western Elective	BIOL 2170 Fund. Life Science II BIOL 2180 Fund. Life Science II Lab KINE 2570 Anatomy & Physiology II KINE 2470 Anat. & Physiology II Lab PHCL Drugs, Medication & Society COMM 3840 Interpersonal Comm.	4 1 3 1 3 4
	Total 15 hours	Total 16 hours	
Junior Year	PHYS 2070 General Physics I CARD 1180 Cardiac Dysrythmias CARD 1190 Cardiac Dysrythmias Lab KINE 3520 Appl'd Exercise Physiology KINE 3530 Appl'd Exercise Phys. Lab HEAL 4700 Nutrition Science	CARD 1280 12-Lead Interpretation CARD 1290 12-Lead Interpretation Lab RCBS 3300 Ad. Cardiac Life Support KINE 4910 Senior Project RESM 4100 Educational Statistics Multicultural Diversity US Culture Elective	CARD 1390 Cardiac Dysrythmias Internship 4
	Total 17 hours	Total 16 hours	Total 4 hours
Senior Year	KINE 4540 Biomechanics 3 KINE 4550 Biomechanics Lab CARD 2370 Ultrasound Physics CARD 2400 PV Venous Disorders CARD 2410 PV Vasc. Lab/Clinical I or CARD 2080 Echocardiography CARD 2090 Echo Lab/Clinical I	KINE 4850 Exercise Testing & Program.  KINE 4860 Exercise Testing & Prog. Lab CARD 2380 Ultrasound Phys. & Instrum.  CARD 2420 Peripheral Vascular CARD 2430 PV Vasc. Lab/Clinical II or CARD 2180 Adv. Echocardiography CARD 2190 Echo Lab/Clinical II	3 KINE 4940 Internship 4 1 4 2 4 2 4 Total 4 hours
	Total 13 hours	Total 14 hours	4.872

2008-2009 Catalog



# **Bachelor of Science in Exercise Science – Exercise Physiology Degree Requirements**

	Fall Semester		<b>Spring Semester</b>	
Freshman Year	ENGL 1110 English Composition I CHEM 1230 General Chemistry I CHEM 1280 General Chemistry Lab KINE 1700 Intro to Exercise Science MATH 1340 Algebra/Trigonometry HHS 1000 Orientation	3 4 1 2 4 1	PSY 1010 Principles of Psychology CHEM 1240 General Chemistry II CHEM 1290 General Chemistry II Lab ENGL 2950 Science & Tech. Rpt. Wrtg. HEAL 1500 First Aid Humanities/Fine Arts Elective	3 4 1 3 2 3
Sophomore Year	KINE 2510 Human Anatomy KINE 2520 Anatomy Lab BIOL 2150 Fund of Life Science I BIOL 2160 Fund of Life Science I Lab Social Science Core Elective General Elective Total 15 hours	3 1 4 1 3 3	BIOL 2170 Fund of Life Science II BIOL 2180 Fund of Life Science II Lab KINE 2530 Human Physiology KINE 2540 Human Physiology Lab Multicultural Elective General Elective Total 15 hours	4 1 3 1 3 3 3
Junior Year	KINE 3520 Applied Exercise Physiology KINE 3530 Exercise Physiology Lab PHYS 2070 Physics I Exercise Physiology Elective General Elective	3 1 5 3 3	KINE 4540 Applied Biomechanics KINE 4550 Applied Biomechanics Lab KINE 4850 Clin. Exer. Test/Prog. KINE 4860 Clin. Exer. Test/Prog. Lab PHYS 2080 Physics II Multicultural Elective	3 1 3 1 5
Senior Year	RESM 4100 Statistics HEAL 4700 Nutrition KINE 4560 Lab Tech in Ex Phys KINE 4870 Exercise Biology KINE 4990 Independent Study Exercise Physiology Elective  Total 18 hours	3 3 3 3 3	KINE 4910 Senior Research Project COMM 3840 Interpersonal Comm. Exercise Physiology Electives General Electives	4 4 6 3

Exercise Physiology Concentration Electives include: CHEM 2410 Organic Chemistry I, CHEM 2460 Organic Chemistry II Lab, CHEM 2420 Organic Chemistry II, CHEM 2470 Organic Chemistry II Lab, KINE 4250 Readings in Exercise Biology, CHEM 3510 Biochemistry I, CHEM 3520 Biochemistry II, BIOL 3010 Molecular Genetics, BIOL 3030 Cell Biology, BIOL 3090 Developmental Biology, BIOL 4010 Molecular Biology, BIOL 4050 Immunology, BIOL 4060 Immunology Lab



# **Bachelor of Science in Exercise Science - Kinesiotherapy Degree Requirements**

	Fall Semester		<b>Spring Semester</b>		Summer Semester
Freshman Year	HHS 1000 Orientation ENGL 1110 English Composition I KINE 1700 Intro to Exercise Science CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab MATH 1340 College Algebra/Trig  Total 15 hours	1 3 2 4 1 4	HEAL 1500 First Aid CHEM 1240 General Chemistry II CHEM 1290 General Chemistry II Lab PSY 1010 Principles of Psychology KINE 3510 Intro to Kinesiotherapy KINE 4940 KT Internship Total 15 hours	2 4 1 3 3 2	
Sophomore Year	CARD 1180 Cardiac Dysrhythmias CARD 1190 Cardiac Dysrhythmias Lab KINE 2510 Human Anatomy KINE 2520 Anatomy Lab KINE 2960 Growth, Devel, Motor Act ENGL 2950 Tech. Science Report Wrtg.	4 1 3 1 4 3	KINE 2530 Human Physiology KINE 2540 Human Physiology Lab KINE 4570 Theory & Prac of Kines KINE 4580 Kinesiotherapy Lab PSY 2200 Abnormal Psychology Multicultural Elective Humanities Elective	3 1 3 1 3 3 3	
Junior Year	BIOL 2150 Fund. Life Science I BIOL 2160 Fund. Life Science I Lab KINE 4540 Applied Biomechanics KINE 4550 Applied Biomechanics Lab KINE 4620 Therapeutic Kinesiology KINE 4640 Neuro/Path of Rehab KINE 4940 KT Internship  Total 17 hours	4 1 3 1 3 3 2	BIOL 2170 Fund Life Science II BIOL 2180 Fund Life Science II Lab KINE 3520 Applied Exercise Physiology KINE 3530 Exercise Physiology Lab KINE 4850 Clinical Exercise Program. KINE 4860 Clinical Exercise Prog. Lab KINE 4940 KT Internship	4 1 3 1 3 1 3	
Senior Year	PHYS 2070 Physics – Mechanics HEAL 4560 Health Prob. Of Aging COMM 3840 Interpersonal Comm. RESM 4100 Statistics Total 15 hours	5 3 4 3	KINE 4910 Senior Research Project KINE 4940 Internship HEAL 4700 Nutrition Science Social Science Elective Multicultural Elective Total 17 hours	4 4 3 3 3 3	FDO

2008-2009 Catalog



## Bachelor of Science in Exercise Science – Pre-Physical Therapy Degree Requirements

	Fall Semester		Spring Semester		
Freshman Year	BIOL 2150 Fund Life Science I BIOL 2160 Fund Life Science I Lab MATH 1340 College Algebra/Trig. KINE 1700 Intro to Exercise Science HHS 1000 Orientation Humanities/Fine Arts Elective  Total 15 hours	4 1 4 2 1 3	BIOL 2170 Fund Life Science II BIOL 2180 Fund Life Science II Lab PSY 1010 Principles of Psychology HHS 2980 PMD Clinical HEAL 1500 First Aid ENGL 1110 English Comp I.	4 1 3 3 2 3	
Sophomore Year	CHEM 1230 General Chemistry I CHEM 1280 General Chemistry I Lab KINE 2510 Human Anatomy KINE 2520 Human Anatomy Lab ENGL 2950 Sci and Tech Report Writ Social Science Elective Total 15 hours	4 1 3 1 3 3	HEAL 1800 Medical Terminology CHEM 1240 General Chemistry II CHEM 1290 General Chemistry II Lab KINE 2530 Human Physiology KINE 2540 Human Physiology Lab Multicultural Elective	3 4 1 3 1 3	
Junior Year *	KINE 2960 Growth Devel. & Motor Lng KINE 3520 Applied Exercise Physiology KINE 3530 Appl. Exercise Physiol. Lab PHYS 2070 Physics I PSY 2200, 2510 or 2700  Total 16 hours	4 3 1 5 3	Communication (select one ) COMM 3840 Interpersonal Comm.(4) COMM 1010 Comm. Prin. & Practices (3) PHYS 2080 Physics II KINE 4620 Therapuetic Kinesiology KINE 2580 Pathophysiology Total 14-15 hours	3-4 5 3 3	
Senior Year	KINE 4540 Applied Biomechanics KINE 4550 Applied Biomechanics Lab RESM 4100 Educational Statistics HEAL 4560 Health Problems of Aging Pre-PT Elective General Elective**  Total 16 hours	3 1 3 3 3 3	HEAL 4700 Nutrition Science KINE 4640 Neuro and Patho of Rehab KINE 4910 Senior Research Project Multi Cultural Elective Pre-PT Elective Total 16 hours	3 3 4 3 3	ED

**Pre-PT Electives include:** HHS 4980 PMD Clinical, KINE 3730 Fitness Asses & Programming, KINE 4850 Clinical Exercise Test and Prog, KINE 4860 Clin Ex Test and Prog Lab, KINE 4940 Pre-PT Internship, KINE 4990 Independent Study in Exer Sci, or other by approval of an advisor \*\*General Electives as needed to meet the 124 credit hour graduation requirement.

Students should follow and complete the degree requirements as displayed.

## **Exercise Physiology**

The B.S.E.S. concentration in exercise physiology is intended to provide students with in-depth study of the physiological bases of human physical performance. In addition to seminars, laboratory research and advanced courses in exercise physiology, those who complete this specialization take additional courses in biology and chemistry. Students taking this concentration work closely with a faculty mentor to design and complete an independent research project of their choosing during their senior year. Upon graduation, those who have chosen this concentration often pursue graduate training in exercise physiology, physical therapy or another allied health field, or perhaps medical school. Others wishing to begin a career immediately upon graduation may be employed in fitness and wellness centers or corporate fitness, or they may work as personal trainers.

#### **Kinesiotherapy**



Students completing the concentration in kinesiotherapy learn to apply medically prescribed therapeutic exercises to the treatment of patients with physical and psychological illnesses. Kinesiotherapists use many types of exercises to enhance the strength, flexibility and neuromuscular coordination of the patients they treat. Psychiatric patients are treated by resocialization activities and exercise, which are specifically oriented toward the accomplishment of psychiatric objectives. The department operates its own Kinesiotherapy Center, where students have an opportunity to develop their clinical skills with actual patients, while working under the supervision of registered kinesiotherapists. The program is fully accredited by the Commission on Accreditation of Allied Health Education Programs committee on Accreditation of Kinesiotherapy, and graduates of the program are eligible to sit for the national AKTA registration examination. Graduates are employed in many settings, including private clinics and rehabilitation centers, Veteran's Administration hospitals, and colleges and universities.

## **Pre-Physical Therapy**

The pre-physical therapy concentration provides students with the opportunity to complete the B.S.E.S. degree and prepare for admission into a graduate entry-level physical therapy program. The curriculum provides a mix of science and health related courses and clinical experiences that are intended to provide the ideal preparation for admission into the university's doctorate in physical therapy program, as well as meet the admission requirements of similar programs across the country. Many students who complete the program will apply for admission to the University of Toledo's Doctorate in Physical Therapy program, which has long been affiliated with UT's Department of Kinesiology. All physical therapy programs involve a competitive admission process. Thus, completion of the pre-physical therapy option at UT does not guarantee acceptance to a physical therapy program.

#### **Optional (Self-Designed)**

Many students are interested in a degree in exercise science but would like to develop a concentration in a unique area. For instance, a student may plan to enter a professional or graduate degree program in an area with specific undergraduate prerequisites that are not included in any of the departmental concentrations. Another example is a student whose personal interests could best be served by a custom-designed concentration. Any student in the B.S.E.S. program may elect to develop an optional concentration, in lieu of one of the structured concentrations. These optional concentrations are developed around a theme related to exercise science and are designed in collaboration with a departmental faculty adviser. The student must file with the Student Services Office of the College of Health Science and Human Service an optional program plan of study that has been approved by the student's adviser and the chair of the kinesiology department. Students have used the optional program for admission into graduate programs in fields such as physician assistant, occupational therapy, physical therapy, therapeutic recreation, medicine, medical and health-related sales, public health and many other fields related to health and human physical performance.

#### **Minor in Exercise Science**

A minor in exercise science is offered by the department of kinesiology to provide students from other departments across the University with the opportunity to gain experience in this area. The minor requires 22 credits of course work, including required lecture and lab courses in human anatomy, physiology, exercise physiology, and biomechanics, as well as elective courses taken from a variety of areas within exercise science. Students interested in completing the minor in exercise science should contact the department's academic adviser for additional information.

Require	ed:	16 hours
KINE	2510	Human Anatomy*3
KINE	2520	Human Anatomy Lab*1
KINE	2530	Human Physiology*3
KINE	2540	Human Physiology Lab*1
KINE	3520	Applied Exercise Physiology3
KINE	3530	Applied Exercise Physiology Lab1
KINE	4540	Applied Biomechanics3
KINE	4550	Applied Biomechanics Lab1
Elective	e: 6 hours	
KINE	1110	Introduction to Athletic Training2
KINE	2960	Growth, Development & Motor Learning4
KINE	3510	Introduction to Kinesiotherapy3
KINE	3530	Applied Exercise Physiology Laboratory1
KINE	3730	Fitness Assessment and Programming2
KINE	4550	Applied Biomechanics Laboratory1



KINE	4560	Laboratory Techniques in Exercise	
		Physiology	3
KINE	4850	Clinical Testing and Programming	3
KINE	4860	Clinical Testing and Programming Lab	1
KINE	4870	Exercise Biology	3
KINE	4920	Readings in Exercise Biology	3
KINE	4990	Independent Study	1-3

<sup>\*</sup>Courses can be waived if the student has successfully completed comparable anatomy and physiology course work in another department within or outside The University of Toledo.

Additional information about the bachelor of science in exercise science degree can be found at the department's Web site at www.hhs.utoledo.edu/kinesiology/undergradprograms.html.

## **Department of Military Science and Leadership**

## Army ROTC (U.S. Army Reserve Officers' Training Corps)

LTC Brandee S. Lockard, Chair

The University of Toledo offers undergraduate and graduate students an opportunity to qualify as commissioned officers in the United States Army. As a college elective, the Army Reserve Officers' Training Corps (ROTC) program provides preparation for leadership in any profession – military or civilian.

#### **Army ROTC Basic Course**

The Basic Course, normally completed during the freshman and sophomore years, provides the student with a general knowledge of the military's role in society and the missions of the Army. Subjects include leadership, land navigation, marksmanship, first aid and other basic military skills. Students enroll in one Military Science and Leadership (MSP) course each semester. It is possible for a sophomore to complete the basic course in one year through prior arrangement with the department. No military obligation is incurred for non-scholarship students participating in or completing the basic course. Successful completion of the basic course is a prerequisite for enrollment in the Army ROTC Advanced Course. Selected sophomores and juniors also can qualify for the Advanced Course by completing ROTC Leader's Training Course in the summer, or through prior military service, either Active, Reserve or National Guard.

#### **Army ROTC Advanced Course**

The Advanced Course is the professional phase of the Army ROTC program. The Advanced Course includes subjects in leadership, training, land navigation, management, ethics, military justice and military tactics. During the two years of the Advanced Course, students enroll in one MSL course per semester. They also must complete one course from an academic department other than MSL in each of the following areas: written communication skills, military history and computer literacy. A list of approved courses is available from the Department of Military Science and Leadership. Two scheduled weekend field training exercises are required each year, and all students must meet Army physical fitness standards. All Advanced Course students must attend the five-week Leader Development and Assessment Course (LDAC) at Fort Lewis, Wa. Students normally attend LDAC during the summer between their junior and senior years.

Upon satisfactory completion of the Advanced Course requirements and the awarding of the bachelor's or graduate degree, the student is eligible for a commission as a Second Lieutenant in the United States Army, Army Reserve or Army National Guard.

#### **Army ROTC Scholarships**

The ROTC program offers four-year, three-year and two-year scholarships to qualified students. An Army ROTC scholarship normally covers all required academic fees and charges at The University of Toledo. Four-year and three-year advanced designee (A.D.) winners also receive a room and board incentive from the University. Three-year A.D. winners also receive free first-year tuition. All scholarship awards include an allowance for textbooks and supplies and a monthly spending allowance for up to 10 months per year during the scholarship period. Additional locally funded scholarships are available for a limited number of Cadets. Students may inquire about Army ROTC scholarships by contacting the Department of Military Science and Leadership.

<sup>\*\*</sup> Students will be required to meet all of the prerequisites and corequisites for the elective courses in the minor.



## **General Eligibility Requirements**

To enroll in the Army ROTC program, the student must:

- 1. Be of good moral character.
- 2. Be a citizen of the United States. (Non-citizens may enroll by special request at the Basic Course level.)
- 3. Be enrolled as a full-time student at The University of Toledo or at a participating partnership university.
- 4. Execute an oath of loyalty to the United States.
- 5. Not be a conscientious objector.

Additional requirements exist for Advanced Course participation. Contact the Department of Military Science and Leadership for specific information.

#### **Uniforms and Textbooks**

Army uniforms, equipment, textbooks and materials necessary for MSL courses are loaned to students or provided at minimal cost.

#### **Special Opportunities**

Selected students participating in the Army ROTC program may attend airborne, air assault, mountain warfare or northern warfare training. In addition, selected students are offered the opportunity to participate in Cadet Troop Leadership Training and spend three weeks performing the duties of an Officer at an Army installation. Students in the Advanced Course may elect to serve as officer trainees in local Army National Guard and Army Reserve units, thereby receiving additional training, experience and financial support while attending college.

## **Credit for Previous Military Training**

Students with previous military training may be granted constructive credit as follows:

- 1. By transfer. Constructive credit will be granted at the time of entrance to The University of Toledo for corresponding military science courses completed satisfactorily in a senior division ROTC unit in another college or university.
- 2. Other training or service. Constructive credit will be granted at the time the student enters the Army ROTC program at The University of Toledo. If for any reason the student does not complete the ROTC program, this credit will be withdrawn.
  - a. Service academy education. Students who have satisfactorily completed work at a service academy may receive constructive credit for up to three years of military science. The department will make a credit determination at the time that the student enrolls.
  - b. Active service or active duty for training (ADT) in the U.S. Army, U.S. Army Reserve, Army National Guard, Navy, Air Force, Marine Corps or Coast Guard. The Professor of Military Science may grant constructive credit for up to two years of the Basic Course.
  - c. Junior ROTC or military school training. Students who have had Junior ROTC or military school training should contact the professor of military science for credit determinations. Maximum allowable constructive credit will be the two-year basic course.
  - d. Successful completion of ROTC Leaders Training Course provides credit for the on-campus Basic Course. Students may qualify for the leaders training course if they have two or more years of study remaining at either the undergraduate or graduate level and if they meet the other eligibility requirements. The Leader's Training Course is conducted at Fort Knox, Kentucky.

## **Minor in Military Science**

Students seeking a minor in military science must successfully complete 25 hours of military science courses, with a minimum GPA of 2.0. Requirements in certain majors and curricula will require ROTC students to take more than the minimum number of hours required for graduation. When finalizing their program, students should consult an academic adviser within the department of their declared major.

Following are the requirements for the minor in military science:

- 1. Six credit hours at the Basic Course level:
- 2. 18 credit hours at the Advanced Course level;
- 3. One credit hour in a MSL elective at the 3000 level or higher, and
- 4. Minimum GPA of 2.0 in MSL classes.



MIIII	ary Sci	ence Courses	Hours
Basic	Cours	e:	
MSL	1010	Leadership and Personal Development (fall)	2
MSL	1020	Introduction to Tactical Leadership (spring)	2
MSL	1030	Introduction to Physical Fitness	1
MSL	1040	Physical Fitness	1
MSL	2010	Innovative Team Leadership (fall)	3
MSL	2020	Foundations of Tactical Leadership (spring)	3
MSL	2030	Physical Training I	1
MSL	2040	Physical Training II	1
MSL	2200	Leader's Training Course (summer)	3
Adva	nced C	Course:	
MSL	3010	Adaptive Tactical Leadership (fall)	3
MSL	3020	Leadership in Changing Environments (spring)	3
MSL	3030	Physical Fitness Planning I	1
MSL	3040	Physical Fitness Planning II	1
MSL	3600	Airborne Operations (summer)	1
MSL	3700	Cadet Troop Leadership Training (summer)	1
MSL	3800	Air Assault Operations (summer)	1
MSL	3850	Leader Development and Assessment Course (sum	mer)3
MSL	4010	Developing Adaptive Leaders (fall)	3
MSL	4020	Leadership in a Complex World (spring)	3
MSL	4030	Advanced Physical Fitness Planning I	1
MSL	4040	Advanced Physical Fitness Planning II	1
MSL	4800	Gettysburg: A Military History (fall)	
		(or approved alternative)	3

Courses in bold are required in order to receive a commission in the U.S. Army, Army Reserve or Army National Guard. Interested students should contact the Department of Military Science and Leadership at 419.530.2681 or visit the Web site at http://hhs.utoledo.edu/armyrotc/

#### **Air Force ROTC**

# (OFFERED IN COOPERATION WITH BOWLING GREEN STATE UNIVERSITY DEPARTMENT OF AEROSPACE STUDIES)

The objective of the Air Force Reserve Officers' Training Corps (AFROTC) program is to provide a college-level leadership education to quality students for commissioning as active duty second lieutenants in the U.S. Air Force. Paid internships/co-ops are available for several degree programs, many with no obligation (http://afrotc.com/collegelife/summerexp/index.php). Competitive follow on educational opportunities exist to include, graduate, law, and medical school. Scholarships are available for academic performance, nursing, some engineering programs, and many languages.

## **Admission**

AFROTC is offered in cooperation with Bowling Green State University. Interested students should contact the department of aerospace studies at 419.372.2176 for specific information on the program, or visit the Web site at www.bgsu.edu/departments/airforce.

# Department of Health and Rehabilitative Services

## **Degree Programs**

Community Health
Health Care Administration
Recreation & Leisure Studies
Recreational Therapy
School Health Education (jointly offered with College of Education)
Speech-Language Pathology

Undergraduate programs related to health/wellness and rehabilitation professions are found in this department. Programs include academic course



work and practical experiences designed to develop the knowledge and skills necessary for entry into professional careers.

### **Community Health**

The community health program is designed to prepare students to work in non-profit health organizations, in local, state and national government health agencies, or in worksite wellness.

## Bachelor of Science in Community Health Degree Requirements

Students should follow and complete the degree requirements as displayed in the community health program of study chart.

In addition, students should complete the following requirements:

NI-41	g.:	(20 k)
		ourses (29 hours) Hours
		satisfy University core)
BIOL	2150	Fundamentals of Life Sciences I4
BIOL	2160	Fundamentals of Life Sciences Lab I1
CHEM	1120	Chemistry for Life Sciences4
KINE	2590	Microbiology & Infectious Diseases4
KINE	2510	Human Anatomy3
KINE	2520	Human Anatomy Lab1
KINE	2530	Human Physiology3
KINE	2540	Human Physiology Lab1
KINE	3520	Applied Exercise Physiology3
KINE	3530	Applied Exercise Physiology Lab1
KINE	3730	Fitness Assessment and Programming2
Social So	ciences (12	2 hours) Hours
Choose fo	ur courses f	from the following:
ANTH	4760	Medical Anthropology3
PSC	2300	Principles of State & Local Government3
PSC	4350	Health Care Delivery Systems3
PSY	2200	Abnormal Psychology3
PSY	2700	Social Psychology3
SOC	1750	Social Problems (may satisfy core soc. sci.)3
SOC	4100	Community Organizing & Development 3
SOC	4160	Health & Gender3
SOC	4180	Medical Sociology3
SOC	4660	Racial & Ethnic Minorities3
SOC	4730	Social Psychiatry3
Skill for	Commun	ity Health (9-10 hours) Hours
Choose th	ree courses	from the following:
COMM	2000	Mass Communication and Society3
COMM	2600	Public Presentations3
COMM	3820	Persuasion Theory4
EDP	4330	Behavior Management3
HEAL	1800	Medical Terminology3
TSOC	4100	Group Processes in Education3



## **Health Education Pre K-12**

Students who complete the health education major will be eligible for license to teach health education pre K-12. (See the College of Education for B.Ed degree details.)

9 Catalog



# **Bachelor of Science in Community Health – Degree Requirements**

Students should follow and complete the degree requirements as displayed. At least 124 semester hours are required for graduation.

	Fall Semester		<b>Spring Semester</b>	213
	T dir Seriester		Spring semester	
Freshman Year	HEAL 2000 Foundations for Health Ed ENGL 1110 College Composition I MATH 1180 Mathematics for Liberal Arts HEAL 1500 First Aid HHS 1000 College Orientation Humanities/Fine Arts Elective	3 3 3 2 1 3	CHEM 1120Chemistry for Health Sciences ENGL 1130 or higher College Comp II BIOL 2150 Fund. Of Life Sciences BIOL 2160 Fund. Of Life Sciences Lab SOC 1750 Social Problems	4 3 4 1 3
Sophomore Year	KINE 2510 Human Anatomy KINE 2520 Human Anatomy Lab HEAL Health Elective HEAL 2700 Community Health Skills/Comm Health Elective Humanities/Fine Arts Elective  Total 16 hours	3 1 3 3 3 3	KINE 2530 Human Physiology KINE 2540 Human Physiology Lab HEAL 2400 General Safety HEAL 2940 Practicum In Comm Hlth Multicultural Elective KINE 2590 Micro and Infectious Diseases Total 14 hours	3 1 3 1 3
Junior Year	HEAL 3500 Environmental Health KINE 3520 Appl'd Exercise Physiology KINE 3530 Appl'd Exercise Phys. Lab Social Science Core Elective Skills/Comm Health Elective Elective Total 17 hours	3 3 1 3 4 3	HEAL 3600 Prev/Control of Disease HEAL 4100 Health Behavior HEAL 4800 Public Health Research/Stats KINE 3730 Fitness Assessment/Program Skills/Comm Health Elective Social Science Support Elective Total 17 hours	3 3 3 2 3 3
Senior Year	HEAL 4200 Methods/Materials in C.H. HEAL 4700 Nutrition Science HEAL Health Elective Social Science Support Elective Elective Total 15 hours	3 3 3 3	HEAL 4940 Senior Field Experience Social Science support Elective Multicultural Elective Total 15 hours	9 3 3







#### **Health Care Administration**

The health care administration program at UT provides students with knowledge and skills to manage as health-care professionals in a variety of settings, such as hospitals, long-term care and outpatient facilities, physician offices, and public health agencies. This interdisciplinary program introduces students to managerial concepts and related skills. The health-care core courses enhance students' knowledge in a variety of related subjects, including current health issues, legislation affecting health care, and management theories and decision making, all of which are important in health care administration. Students interested in health-care administration have several options to consider, depending on their interests and backgrounds. First, students completing the four-year program in health care administration concurrently receive a general minor in business. Second, there are certain courses that are offered for students who want a concentration in long-term care administration. These students also concurrently receive a general minor in business. Third, the 2 + 2 year program is offered to individuals who hold at least an associate's degree in a health related field. These students most often have direct health-care work experience, such as nurses and respiratory therapists, and want to further their education and management expertise.

## Bachelor of Science in Health Care Administration Degree Requirements

Students should follow and complete the degree requirements as displayed in the health care administration program of study chart.

#### Bachelor of Science in Health Care Administration – Degree Requirements

	Fall Semester	Spring Semester
Freshman Year	ENGL 1110 College Composition I 3 ECON 1200 Prin. of Microeconomics 3 MATH 1260 Mod. Bus. Mathematics I 3 BUAD 1020 Micro-Comp. Applications 3 Humanities/Fine Arts Elective 3 HHS 1000 College Orientation 1  Total 16 Hours	ENGL 2960 Organizational Rep. Writing ECON 1150 Prin. of Macroeconomics 3 MATH 1270 Mod. Bus Mathematics II HEAL 1800 Medical Terminology 3 Social Science Elective 3  Total 15 Hours
Sophomore Year	BUAD 2040 Fin. Accounting Info. 3 KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Phys. I Lab 1 HEAL 2800 Principles of Nutrition 3 Multicultural Elective 3 Program Elective 3 Total 16 Hours	BUAD 2050 Acct. for Bus. Dec. Making 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Phys. II Lab 1 Elective 3 Program Elective 6
Junior Year	BUAD 3030 Mang. & Behavioral Proc. 3 BUAD 2060 Data Analysis for Bus. or MATH 2630 Stats. For Bus. & Econ 3 Natural Science Elective 3 General Elective 3 Humanities/Fine Arts Elective 3  Total 15 Hours	BUAD 3010 Principles of Marketing 3 PHIL 3370 Medical Ethics 3 HURM 3220 Human Resource Mgmt. 3 Multicultural Elective 3 Program Elective 3  Total 15 Hours
Senior Year	HCAR 4510 Medical & Legal Aspects of HC 3 HCAR 4530 Prob. Solving in HC Environ. 4 HURM 3630 Conflict Res. & Negotiation 3 Program Elective 3 General Elective 3  Total 16 Hours	HCAR 4360 Quality Improvement in HC 3 HCAR 4500 Health Care Informatics 3 HCAR 4550 Health Care Finance 3 HCAR 4540 Internship in Health Management 3 General Elective 3  Total 15 Hours

<sup>\*</sup> Long Term Care Concentration available. See advisor for proper program elective selections. Electives available include HIM 3200 Healthcare Resources, Payers and Consumers – 3 credits







## **Bachelor of Science in Health Care Administration – Degree Requirements**

Applied Health Care Concentration (2+2-year program)
Students should follow and complete the degree requirements as displayed

	Fall Semester	Spring Semester
Junior Year	ENGL 2960 Organ. Report Writing 3 ECON 1200 Prin. of Microeconomics 3 HCAR 4510 Medical/Legal Aspect of Health Care 3 BUAD 2040 Financial Accounting Info 3 *MATH 1260 Mod. Business Mathematics I 3  Total hours 15	HCAR 4500 Health Care Info Systems 4 ECON 1150 Prin. of Macroeconomics 3 HCAR 4360 Quality Improvement in Health Care 3 BUAD 3030 Managerial and Behavioral Proc. 3 *MATH 1270 Mod. Business Mathematics II 3  Total hours 16
Senior Year	HCAR 4530 Problem Solving in Health Care 4 HURM 3220 Intro to Hum. Res. Management 3 BUAD 3010 Principles of Marketing 3 MATH 2600 Statistics, BUAD 2060 Data Analysis for Bus. or HEAL 4800 Public Health & Res. Stats. 3 Electives 3 Total hours 16	HCAR 4550 Health Care Finance 3 HCAR 4540 Internship in Health Management 3 PHIL 3370 Medical Ethics 3 Electives 3-6  Total hours 15

University Core Curriculum requirements must be met

\*For students pursuing the Minor in Business Administration

Electives available include HIM 3200 Healthcare Resources, Payers and Consumers – 3 credits

2008-2009 Catalog



#### DIVISION OF RECREATION AND LEISURE STUDIES

#### **Division Overview:**

The University of Toledo's Division of Recreation and Leisure offers a Bachelors of Science (BS) in both Recreation and Leisure Studies (RLS) and Recreational Therapy (RECT). Students enrolled in the baccalaureate RLS or baccalaureate RECT program receive a National Recreation and Park Association (NRPA) accredited degree. Students completing the Division's RLS program qualify to apply for Certified Park and Recreation Professional (CPRP) certification upon degree completion. Students completing the Division's RECT program qualify to apply for Certified Therapeutic Recreation Specialist (CTRS) certification upon degree completion.

Baccalaureate candidates in RLS may also elect to take an optional support core option for students needing specialized course work for graduate study or employment qualifications.

Baccalaureate candidates in RLS may also elect to participate in the YMCA Professional Studies Program. This program provides graduates with the major components required to receive YMCA Senior Director Certification.

#### **Bachelor of Science in Recreation and Leisure Studies Degree Requirements:**

Students should follow and complete the degree requirements as displayed in the recreation and leisure studies degree requirement chart.

Students enrolling in Division's RLS program receive an education designed to prepare them for employment in the areas of Community Recreation and Recreation Resource Management.

Students who want to major in the Division's RLS program enter under conditional status. The RLS student is able to enroll in University Undergraduate Core curriculum courses, Pre-Recreation and Leisure Studies curriculum courses, and Recreation and Leisure Studies Support curriculum courses while under conditional status.

## **Selective Admission Requirements**

After completion of all PRLS curriculum courses and the completion of 33 additional credit hours from the University Undergraduate Core curriculum and RLS Support curriculum courses, a student is eligible to apply for acceptance into the upper division of the RLS major. Minimum requirements for admittance into the upper division of the RLS major include:

- 1. Student Transcript
- 2. Completion of 48 credit hours taken from a) the University Core curriculum, b) RLS Support curriculum, and c) PRLS curriculum. Note: 15 of these 48 credit hours must come from the PRLS curriculum.
- 3. Completion of all courses in the Division's Pre-Recreation and Leisure Studies (PRLS) curriculum, with a no less than a "C" grade in any course,
- 4. Completion of the Recreation and Leisure Studies Professional Sequence Application,

Once a student is formally accepted into the upper division of the RLS program they are permitted to begin taking professional sequence curriculum courses.

#### **Culminating Experience Requirements**

After completion of all required RLS course work students are eligible to apply for the RLS Senior Internship. The Senior Internship is the final RLS curriculum requirement and is designed to provide the student with an opportunity to apply educational achievements in a practitioner setting. Minimum requirements for approval to complete the 12-hour Culminating Experience include:

- 1. Completion of all RLS RCRT courses with no less than a "C" grade in any course,
- 2. An accumulative GPA of no less than 2.5 for all course work completed,
- 3. Approval to complete the Senior Internship.



## **Graduation Requirements**

## To graduate with a degree in Recreation and Leisure Studies, a student must:

- 1. Complete a minimum of 124 credit hours, and
- 2. Complete entire RLS curriculum with no less than a "C" grade in any RCRT course.

# Bachelor of Science in Recreation & Leisure Studies - Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	RCRT 1300 Intro. to Rec. & Leisure       3         RCA 1010, 1020, 1030 Elective       1         PSY 1010 Principles of Psychology       3         SOC 1750 Social Problems       3         ENGL 1110 College Composition I       3         HHS 1000 College Orientation       1    Total 14 hours	RCRT 1310 Recreation Programming 3 Natural Science Elective 3 MATH 1180 – 2600 Elective 3 ENGL 2960 Org. Report Writing 3 Multicultural (Non-U.S.) Elective 3	
Sophomore Year	RCRT 2300 Rec. Leadership & Gr. Dynamics 3 RLS Support Electives 3 RCA 1010, 1020, 1030 Elective 1 HEAL 1500 First Aid 2 Natural Science Elective 3 Natural Science Lab 1  Total 13hours	RCRT 3310 Rec. & Adapt. for Spec. Pop. 3 RCA 1010, 1020, 1030 Elective 1 PSY 2510 Lifespan Developmental Psy. 3 HEAL 2500 Personal Health 3 Humanities Elective 3  Total 13hours	RCRT 3940 Rec. Application Experience 3  Total 3 Hours
Junior Year	RCRT 4330 Administration Rec. & RT 3 RCA 1010, 1020, 1030 Elective 1 COMM 2600 Public Presentations 3 Multicultural (Diversity of U.S.) Elective 3 RLS Support Elective 3 Total 13 hours	RCRT 4340 Leisure Recreation & Aging 3 BUAD 3030 Mngt. & Beh. Proc. in Org. 3 COMM 3840 Interpersonal Comm. 4 RLS Support Elective 3	RCRT 4530 Rec. Policy & Leadership 3  Total 3 Hours
Senior Year	RCRT 4430 Interpretive Services       3         RCRT 4450 Research Applications Rec & RT       3         GEPL 3710 Urban Environments       3         RCA 1010, 1020, 1030 Elective       1         RLS Support Elective       3         Total 13 hours	RCRT 4440 Park & Rec. Planning 3 RCRT 4520 Urb. Park & Open Sp. Admin. 3 RCRT 4850 Internship Preparation: RLS 1 RCRT 3710 Adventure Prog. in Rec. & RT 3 RLS Support Electives 3 Total 13hours	RCRT 4770 Project Design: RLS 2 RCRT 4930 Senior Internship 4 RCRT 4930 Senior Internship 4 RCRT 4780 Project Evaluation: RLS 2  Total 12 hours



# Bachelor of Science in Recreation & Leisure Studies (YMCA Professional Studies) – Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester	
Freshman Year	RCRT 1300 Intro. to Rec. & Leisure       3         RCA 1010, 1030 Elective       1         PSY 1010 Principles of Psychology       3         SOC 1750 Social Problems       3         ENGL 1110 College Composition I       3         HHS 1000 College Orientation       1    Total 14 hours	RCRT 1310 Recreation Programming       3         RCRT 2310 Volunteerism       1         Natural Science Elective       3         MATH 1180 – 2600 Elective       3         ENGL 2960 Org. Report Writing       3    Total 13hours		
Sophomore Year	RCRT 2300 Rec. Leadership & Gr. Dynamics       3         RLS Support Electives       3         ECON 1150 Principles of Macro Economics       3         Natural Science Elective       3         Natural Science Lab       1         Total 13hours	RCRT 3310 Rec. & Adapt. for Spec. Pop.   3	RCRT 3940 Rec. Application Experience 3  Total 3 Hours	
Junior Year	RCRT 4330 Administration Rec. & RT 3 BUAD 3010 Principles of Marketing 3 Multicultural (Diversity of U.S.) Elective 3 BMGT 2700 Managing Diversity in Workplace 3 Total 12 hours	RCRT 4340 Leisure Recreation & Aging 3 COMM 3840 Interpersonal Comm. 4 BUAD 2040 Financial Accounting Info. 3 RLS Support Elective 3 Total 13hours	RCRT 4530 Rec. Policy & Leadership 3  Total 3 Hours	
Senior Year	RCRT 4430 Interpretive Services   3   RCRT 4450 Research Applications Rec & RT   3   Multicultural (Non-U.S.) Elective   3   RLS Support Elective   3   RLS Support Elective   3   RLS Support Service   3   Total 15 hours   3   RLS Support Elective   3   3   RLS Support Elective   3   3   RLS Support Elective   3   3   3   3   3   3   3   3   3	RCRT 4440 Park & Rec. Planning 3 RCRT 4520 Urb. Park & Open Sp. Admin. 3 RCRT 4850 Internship Preparation: RLS 1 RCRT 3710 Adventure Prog. in Rec. & RT 3 RLS Support Electives 3  Total 13hours	RCRT 4770 Project Design: RLS 2 RCRT 4930 Senior Internship 4 RCRT 4930 Senior Internship 4 RCRT 4780 Project Evaluation: RLS 2  Total 12 hours	

2008-2009 Catalog



#### **Bachelor of Science in Recreational Therapy Degree Requirements:**

This program meets professional standards set by the National Council for Therapeutic Recreation Certification (NCTRC), National Therapeutic Recreation Society (NTRS), and the American Therapeutic Recreation Association (ATRA).

Students enrolling in Division's Recreational Therapy (RECT) program receive an education designed to prepare them for employment in the areas of Physical Rehabilitation, Psychiatric Rehabilitation, Geriatric Services, Pediatric Services, Camps for Individuals with Disabilities, Community Recreation for Individuals with Disabilities and Centers for Mental Retardation/ Developmental Disabilities. Students will complete one or more of the following 6-15 credit hour tracks as part of their RECT program of Study:

Psychology (Minor in Psychology Available)
Pediatric
Therapeutic Arts
Geriatric
Communication
General
Pre-Occupational Therapy

Students wishing to major in the Division's RECT program enter under conditional status as a Pre-Recreational Therapy (PRECT) major. The PRECT student is able to enroll in University Undergraduate Core curriculum courses, Pre-Recreational Therapy curriculum courses, and Recreational Therapy Support curriculum courses.

### **Selective Admission Requirements**

After completion of all PRECT curriculum courses and the completion of 27 additional credit hours from the University Undergraduate Core curriculum and RECT Support curriculum courses, a student is eligible to apply for acceptance into the upper division of the RECT major. Minimum requirements for admittance into the upper division of the RLS major include:

#### Junior Year:

- 1. Copy of Student Transcript
- Completion of 48 credit hours taken from a) the University Core curriculum, b) RECT Support curriculum, and c) PRECT curriculum. Note: 21 of these 48 credit hours must include the following: RCRT 1300, RCRT 1310, RCRT 2300, RCRT 3310, PSY 2200, PSY 2510, and HEAL 1500 with no less than a "C" grade in any course, and
- 3. Completion of the Recreational Therapy Professional Sequence Application.

#### Senior Year:

- 1. Completion of 77 credit hours including the following courses: RCRT 4720, RCRT 4730, RCRT 4740, RCRT 4750 and RCRT 4790 with no less than a "C" grade in any course,
- 2. Minimum 2.8 GPA
- 3. Minimum of 100 experience hours (50 hours will be completed during pre-professional coursework), and if necessary
- 4. Three letters of recommendation.

#### **Culminating Experience Requirements**

After completion of all required RECT course work students are eligible to apply for the RECT Senior Internship. The Senior Internship is the final RECT curriculum requirement and is designed to provide the student with an opportunity to apply educational achievements in a practitioner setting. Minimum requirements for approval to complete the 12-hour Culminating Experience include:

- 1. Completion of all RECT RCRT courses with no less than a "C" grade in any course,
- 2. An accumulative GPA of no less than 2.7 for all course work completed,
- Approval to complete the Senior Internship.



#### **Graduation Requirements**

To graduate with a degree in Recreation and Leisure Studies, a student must:

- 1. Complete a minimum of 127 credit hours, and
- 2. Complete entire RECT curriculum with no less than a "C" grade in PSY 2200, PSY 2510, HEAL 1500 and any RCRT course.

### Bachelor of Science in Recreational Therapy- Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	RCRT 1300 Intro. to Rec. & Leisure   3     PSY 1010 Principles of Psychology   3     SOC 1010 Introduction to Sociology   3     ENGL 1110 College Composition 1   3     MATH 1180 Math for Liberal Arts   3     HHS 1000 College Orientation   1     Total 16 hours	RCRT 1310 Recreation Programming 3 PSY 2510 Lifespan Developmental Psy. 3 Natural Science Elective 3 ENGL 2960 Org. Report Writing 3 Humanities Elective 3  Total 15hours	
Sophomore Year	RCRT 2300 Rec. Leadership & Gr. Dynamics       3         KINE 2560 Anatomy & Physiology I       3         KINE 2460 Anatomy & Physiology I Lab       1         PSY 2200 Abnormal Psychology       3         Multicultural (Non-U.S.) Elective       3         Total 13hours	RCRT 3310 Rec. & Adapt. for Spec. Pop.   3   KINE 2570 Anatomy & Physiology II   3   KINE 2470 Anatomy & Physiology I Lab   1   HEAL 1800 Medical Terminology   3   RCRT 4720 Introduction to TR   3   Total 13hours	Y (0) I
Junior Year	RCRT 4730 Med/Clinical Aspects in TR 3 Humanities Elective 3 Multicultural (Diversity of U.S.) Elective 3 Track Elective 3 Select 3 from RCRT 4600, 4610, 4630, 4660, 4670 3  Total 15hours	RCRT 4740 Assessment & Doc. TR 3 RCRT 4750 Group Dynamics in RT 3 RCRT 4790 Med/Clinical Aspects in TR II 3 RCRT 4340 Leisure Recreation & Aging 3 Select 2 from RCRT 4600, 4610, 4630, 4660, 4670 2  Total 14 hours	RCRT 4840 RT Clinical: Pediatric 1  Total 1 hour
Senior Year	RCRT 4450 Research Applications Rec & RT 3 RCRT 3710 Adventure Prog. in Rec. & RT 3 Track Elective 3 RCRT 4850 Internship Preparation: RECT 1 Select 2 from RCRT 4800, 4810, 4820, 4830 2 Select 2 from RCRT 4620,4640, 4680, 4690, 4860 2	RCRT 4330 Administration Rec. & RT 3 RCRT 4870 Program Planning RT 3 RCRT 4440 Park & Rec. Planning 3 Select 2 from RCRT 4800, 4810, 4820, 4830 2 Select 3 from RCRT 4620,4640, 4680, 4690, 4860 3	RCRT 4770 Project Design: RLS 2 RCRT 4930 Senior Internship 4 RCRT 4930 Senior Internship 4 RCRT 4780 Project Evaluation: RLS 2
S	Total 14 hours	Total 14 hours	Total 12 hours

#### **UT Pre-Occupational Therapy (6 hours)**

Introduction to Therapeutic Art ......3 4560

One course from any other track or an elective approved by adviser.

### **UT Occupational Therapy Program Selection Application Criteria**

To apply for admission to the UT Occupational Therapy Program, students must meet these criteria:

- 1. Completion of PSY 1010 Principles of Psychology, SOC 1010 Introduction of Sociology, PSY 2510 Lifespan Development Psychology, PSY 2200 Abnormal Psychology, KINE 2560 Anatomy & Physiology I, KINE 2570 Anatomy & Physiology II, and HEAL 1800 Medical Terminology with a C or higher in each course.
- 2. Completion of a bachelor's degree with a minimum GPA of 3.0 GPA. If GPA is 3.5 or greater, the GRE is not required. Students can be selected prior to completion of their bachelor's degree. Students must have a minimum GPA of 3.0 at the time of application and must maintain a minimum GPA of 3.0 after acceptance.



- 3. Completion of the GRE with an average of 33% across the three areas verbal, quantitative and writing.
- 4. Prerequisites: must have achieved a B- or better in all perquisites. Consult the following website for more specific information: http://hsc.utoledo.edu/healthsciences/ot/program/admission.html

Applications are available in mid-July; applications may be submitted anytime after September 1st for admission the following academic year. Applications are processed and students are accepted as applications are received (rolling admission) until the class is filled. Applicants are encouraged to apply for early admission. The occupational therapy program is selective and completion of the above criteria does not guarantee admission into the program. The UT OTD program is currently ranked 15th by US News and World Report for graduate level OT programs. This is quite an accomplishment since there are 150 OT programs in the country.

#### **Recreation & Leisure Studies Minor Degree Requirements**

Students seeking a minor in Recreation & Leisure Studies (RLS) must have a current GPA of 2.0 for acceptance into the minor and achieve a composite GPA of 2.0 for all RCRT coursework completed, with no less than a "C" grade in any RCRT course.

Students completing the minor in Recreation and Leisure Studies must complete 12 credit hours of required core coursework and 9 credit hours of RCRT elective coursework, totaling 21 credit hours, as follows:

**Core Requirements:** 12 Credit Hours

RCRT 1300 Introduction to Recreation & Leisure

RCRT 1310 Recreation Programming

RCRT 2300 Recreation Leadership & Group Dynamics

RCRT 3310 Recreation & Adaptation for Special Populations

#### **Elective Requirements:** 9 Credit Hours

Students may meet the elective requirements of the minor in Recreation and Leisure Studies by completing three courses from the following:

RCRT 3940 Recreation Application Experience	Summer Semester Only
RCRT 3710 Adventure Programming in Recreation & Recreational Therapy	ID Cotolog

RCRT 4330 Administration in Recreation & Recreational Therapy

RCRT 4340 Leisure Recreation & Aging

### University of Toledo / Bowling Green State University Collaborative Opportunities

Students enrolled in Recreation and Leisure Studies at Bowling Green State University have the option of completing coursework in Recreational Therapy through the University of Toledo's Division of Recreation and Leisure Studies. Completion of Recreational Therapy coursework provided at the University of Toledo qualifies students to sit for the Certified Therapeutic Recreation Specialist (CTRS) examination.

Students enrolled in Recreation and Leisure Studies at the University of Toledo interested in Tourism have the option to design an individualized support curriculum for completing coursework in Tourism through Bowling Green State University's Division of Sport Management, Recreation and Tourism.

### **Individualized Degree Option**

Students may elect to develop an individualized support curriculum designed to provide an opportunity to take specific coursework in pursuit of specialized areas of employment in recreation or recreation-related fields or to meet specific prerequisite requirements for



graduate study.

The individualized degree option requires 23 credit hours of program electives. Course selections must be approved by a student's Academic Advisor and the HRS Department Chair. The individualized degree option is designed by both the student and his/her Academic Advisor and is taken in place of RLS Support Curriculum Courses.

## Speech-Language Pathology

The program provides course work in communication disorders, which prepares the student for graduate work in speech-language pathology. The strengths of the program include supervised clinical experiences on the undergraduate level. A master's degree is one of the requirements for licensure and certification as a speech-language pathologist.

# Bachelor of Science in Speech-Language Pathology Degree Requirements

Students should follow and complete the degree requirements as displayed in the speech-language pathology program of study chart.

	Fall Semester		<b>Spring Semester</b>	
Freshman Year	SLP 2400 Intro to Communication Disorders MATH 1320 College Algebra SOC 1010 Intro to Sociology 3 ENGL 1110 College Composition I HHS 1000 College Orientation Humanities/Fine Arts Elective Total 16 hours	3 3 1 3	KINE 2560 Anatomy & Physiology I KINE 2460 Anatomy & Physiology I Lab PSY 1010 Principles of Psychology ENGL 2960 or Composition II HEAL 1800,2500,4560,COUN 3070 or 4080 General Elective	3 1 3 3 3 3
Sophomore Year	SLP 3010 Clinical Phonetics SLP 3020 Anat. & Phy of Comm Mechanism SLP 3030 Normal Lang. Acquisition HEAL 1500 First Aid General Elective	4 4 3 2 3	SLP 3140 Analyzing Language SLP 3150 Speech Science Humanities/Fine Arts Elective Natural Science Elective General Elective	4 3 3 3 3 3
Junior Year		4 2 3 6	SLP 3300 Language Disorders SLP 3800 Methods for Clinical Intervention HEAL 1800,2500,4560,COUN 2220 or 4080 Multicultural Elective General Elective Total 16 hours	4 3 3 3 3
Senior Year	SLP 3400 Audiology SLP 4000 Beginning Clinical Practicum SPED 2040 General Electives Total 15 hours	3 2 3 7	SLP 4300 Adv. Clinical Prac. I SLP 4350 Concomitant Disorders SPED 4110 or 4120 Mod/Int Needs General Electives Total 14 hours	2 3 3 6

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# **Department of Social Work**

Terry Cluse-Tolar, chair Martha Delgado, field director

### **Degree Program**

Bachelor of Social Work

The social work program offers a bachelor of social work degree, which is fully accredited by the Council on Social Work Education as required for entry into the beginning level of professional social work practice. The social work program prepares graduates to work as generalist social workers across system sizes and with various population groups. Graduates of the program meet the educational requirements for licensing at the Licensed Social Worker (LSW) level in the state of Ohio.

### **Admission Requirements**

Freshmen entering The University of Toledo with the intent of majoring in social work should declare presocial work as their major until they complete the requirements to apply to the program and have been accepted.

Prior to applying to the social work program, the student must have:

Completed 45 semester hours of course work;
An overall minimum GPA of 2.25; and
Completed SOCW 1030, 2010 and 2210 with a minimum major GPA of 2.5 and a grade no less than a C in each.

Admission to the social work program is selective, and no student will be permitted to take social work courses at the 3000 level or higher unless he/she has applied and been admitted to the program. Application procedures are available from the student's adviser and in the Social Work Student Handbook available from the program office.

# Degree Requirements for the Bachelor of Social Work

Students should follow and complete the degree requirements as displayed in the social work program of study chart.

Social work students must use BIOL 1120 toward meeting the natural science requirements of the College of Health Science and Human Service. Students may not take P/NC in major courses or related courses, except SOCW 4220.

**Note:** Entry into SOCW 4120, 4130, 4200, 4210, 4220 and 4230 requires senior standing, a minimum overall GPA of 2.25, a minimum major GPA of 2.5, a grade of C or better in all major courses, and permission of the field director.

## **Departmental Honors in Social Work**

Qualified juniors and seniors may apply to work for honors in social work. The following are requirements for admission to the Honors Program in social work:

soci	al work:
	Minimum GPA of 3.3 in social work courses;
	Minimum cumulative GPA of 3.0;
	12 hours completed work in social work; and
	Qualification as a social work major.
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After being admitted to the Honors Program in social work, the student must complete nine hours of independent work in social work. During the final semester before graduation, the student must pass a comprehensive examination or complete a research project. The honors topic and research project are to be developed in close conjunction with a faculty adviser. Students should discuss their special interests with faculty members or with the honors adviser who will help identify an appropriate faculty member to guide the honors work.



#### **Bachelor of Social Work - Degree Requirements**

Students should follow and complete the degree requirements as displayed.

		Fall Semester		Spring Semester	
Freshman	Year	HHS 1000 College Orientation ENGL 1110 Composition I SOC 1010 Intro to Sociology MATH 1180 Mathematics for Liberal Arts SOCW 1030 Intro to Social Welfare Humanities/Fine Arts Elective Total 16 hours	1 3 3 3 3 3	ENGL 1130 or higher College Comp II BIOL 1120 Survey of Biology PSY 1010 Principles of Psychology CMPT 1100 Comp. Inform. Applications General Elective	3 3 3 4
Sophomore	Year	PSC 1200 American National Govt. SOCW 2010 Survey of SW Profession PSY 2510 Lifespan Dev. Psychology Natural Science Elective General Elective	3 3 3 4	ECON 1010 Intro to Economic Issues ANTH 2100 Human Society thru Film or ANTH 2800 Cultural Anthropology SOCW 2210 SW Field Experience I Humanities/Fine Arts Elective General Elective Total 15 hours	3 3 3 3
Junior	Year	SOCW 3110 Social Work Practice I SOCW 3240 Human Behav– Soc Envt I SOCW 3300 Social Policy & Legislation HIST 3250 or 3260 or 3310 or 4430 SOC 3290 or PSC 3110 or PSY 2100 or RESM 4100 Total 15 hours	3 3 3 3	SOCW 3120 Social Work Interviewing SOCW 3250 Human Behavior–Soc Envt II Humanities Elective WGST Elective SOCW Elective Total 16 hours	4 3 3 3 3
Senior	Year	SOCW 4010 Social Work Research SOCW 4120 SW Practice II SOCW 4200 Field Lab II SOCW 4220 Field II SOC, PSY, WGST, AFST, DST Elective Total 15 hours	3 3 1 5 3	SOCW 4130 SW Practice III SOCW 4210 Field Lab III 1 SOCW 4230 Field III SOC 4660 Racial/Ethnic Minorities/US or SOC 4670 African Americans in US General Elective Total 15 hours	3 5 3 3

# **Department of Undergraduate Legal Specialties**

Kathleen Mercer Reed, chair

## **Degree Programs**

Associate of Applied Science in Paralegal Studies Bachelor of Science in Paralegal Studies Post-Baccalaureate Certificate in Paralegal Studies Nurse Paralegal Certificate Minor in Legal Specialties

Undergraduate programs related to the legal profession are found in this department. Programs include academic course work and practical experiences designed to develop the knowledge and critical thinking and communication skills necessary for contribution to the legal profession. All of the department faculty are licensed attorneys, judges and magistrates and are available for career advising.

#### **Paralegal Studies Programs**

A dynamic field of study, UT's Paralegal Studies Program prepares students to be an integral part of the legal team, working under the supervision and direction of attorneys. Paralegals assist attorneys by conducting interviews and investigations, researching cases, drafting legal documents, and assisting at real estate closings, depositions and trials.

There are four different paralegal program options from which to choose:



#### **Associate of Applied Science in Paralegal Studies**

The two-year associate degree in paralegal studies prepares students for an exciting career in the law. For those students planning to continue their education, the associate degree provides for a seamless 2+2 transition into the bachelor degree in paralegal studies.

Students should complete the degree requirements as displayed in the program of study and follow the suggested schedule.

#### **Bachelor of Science in Paralegal Studies**

The bachelor of science degree prepares students for an exciting career in the law at a higher level of responsibility. In addition, the bachelor degree in paralegal studies is an excellent "pre-law" track for those considering law school. Graduates with a bachelor degree in paralegal studies who meet certain criteria will receive guaranteed admission into UT's College of Law.

Students should complete the degree requirements as displayed in the program of study and follow the suggested schedule.

#### Post-Baccalaureate Certificate in Paralegal Studies

To be accepted into this program, students must have at least a four-year bachelor degree.

The post-baccalaureate certificate in paralegal studies prepares students holding a degree in another discipline for an exciting career in the law.

Students should complete the degree requirements as displayed in the program of study and follow the suggested schedule.

#### **Nurse Paralegal Certificate**

To be accepted into this program, a student must have at least an associate's degree in nursing, hold a current R.N. license, and have at least 2,000 hours of nursing experience.

The nurse paralegal certificate program prepares practicing nurses for careers in law where medical education and experience are needed. Examples of these areas of the law are medical malpractice, personal injury, workers compensation, wrongful death and social security.

Students should complete the degree requirements as displayed in the program of study and follow the suggested schedule.

#### **Prelaw Studies**

No particular degree is required for admission to law school. It is recommended, however, that students possess good communication, logic and analytical skills, and have a fundamental understanding of the legal system. The paralegal studies program, as well as many other majors, is good preparation for law school. Graduates with a bachelor degree in paralegal studies who meet certain criteria will receive guaranteed admission to The University of Toledo College of Law. All of the faculty of the department are licensed attorneys, judges and magistrates and are available for career advising. Contact the department office at 419.530.7746 for more information.



## Associate of Applied Science in Paralegal Studies – Degree Requirements

(American Bar Association Approved Program)

Students should follow and complete the degree requirements as displayed.

	Fall Semester		<b>Spring Semester</b>	
Freshman Year	LGL 1010 Introduction to Law LGL 1720 Law Practice Mgmt LGL 2120 Real Estate ENGL 1110 College Composition I MATH 1180 Math for Liberal Arts or MATH 1320 College Algebra HHS 1000 College Orientation  Total 16 hours	3 3 3 3	LGL 1150 Tort law LGL 1160 Legal Research, Wrtg & Case LGL 2110 Estate & Probate ENGL 1130 or higher College Comp II Social Science Core Elective  Total 15 hours	3 3 3 3 3
Sophomore Year	LGL 2020 Civil Procedure LGL Law Elective* ACTG 1040 Prin. of Financial Acctg. or BUAD 2040 Financial Acctg. Info. Humanities/Fine Arts Elective Social Science Elective  Total 15 hours	3 3 3 3	LGL 2940 Paralegal Internship LGL Law Elective* Elective CMPT 1100 Computer Info. Applic. <u>or</u> BUAD 1020 Micro. Applic. in Business Humanities/Fine Arts Elective  Total 15 hours	3 3 3 3

#### \* Law Electives

LGL 2210 Practice & Procedures in Administrative Law

LGL 2130 Family Law (Prereq: LGL:1010 and LGL:1160)

LGL 2700 Advocacy: Mock Trial

LGL 3010 Law of Business Associations (Prereq: LGL:1010 and LGL:1720)

LGL 3030 Advanced Legal Research and Writing (Prereq: LGL:1010 and LGL:1160)

LGL 3050 Bankruptcy Practices & Consumer Applications (Prereq: LGL:1010 and LGL:1160)

LGL 3330 Litigation (Prereq: LGL:1150 and LGL:2020)

LGL 3350 Alternative Dispute Resolution (Prereq: LGL:1010, LGL:1150 and LGL:2020)

LGL 4030 Contract Law (Prereq: LGL:1010 and LGL:1160)

LGL 4130 Clinic Experience (Prereq: LGL:1010, LGL:1160 or Instructor Permission)



# **Bachelor of Science – Paralegal Program Degree Requirements**

(American Bar Association Approved Program)

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
Freshman Year	ENGL 1110 College Composition   3	ENGL 1130 or higher College Comp II 3 LGL 1160 Legal Research 3 LGL 1150 Tort Law 3 CMPT 1100 Computer Info. Applications or BUAD 1020 Micro-Computer Applications 3 Social Science Elective 3
Sophomore Year	LGL 2020 Civil Procedure 3 LGL 2130 Family Law 3 LGL 2700 Advocacy: Mock Trial 3 BUAD 2040 Financial Acct. Information 3 Social Science Elective 3  Total 15 hours	LGL 2110 Estate & Probate Admin. 3 LGL 2210 Prac. & Prod. Of Admin Law 3 PHIL 1020 Critical Thinking 3 Humanities Elective 3 Elective 3 Total 15 hours
Junior Year	LGL 3030 Adv. Legal Research/Writing 3 LGL 3050 Bankruptcy Pract & Cons Appl 3 PHIL elective at 3000/4000 level 3 Legal Specialty Option 3 Natural Science Elective 3 Natural Science Elective Lab 1 Total 16 hours	LGL 3010 Law of Business Associations 3 LGL 3330 Litigation 3 LGL 4130 Clinical Experience 3 Legal Specialty Option 3 Multicultural Elective 3 Natural Science Elective 3 Total 18 hours
Senior Year	LGL 4030 Contract Law 3 LGL 3350 Alternative Dispute Resolution 3 PHIL elective at 3000/4000 level 3 Legal Specialty Option 3 Elective 3  Total 15 hours	LGL 4940 Advanced Paralegal Internship         3           Legal Specialty Option         3           Multicultural Elective         3           Elective         3           Elective         3           Total 15 hours



# Post Baccalaureate Certificate in Paralegal Studies - Degree Requirements

(American Bar Association Approved Program. To be accepted into this program, students must have at least a four-year bachelor degree)

Students should follow and complete the certificate requirements as displayed.

	Fall Semester		Spring Semester
Year One	LGL 1010 Introduction to Law LGL 1720 Law Practice Management LGL 2020 Civil Procedure LGL 2120 Real Estate Transactions LGL xxxx Law Elective *  Total 15 hours	3 3 3 3	LGL 1150 Tort Law 3 LGL 1160 Legal Research, Wrtg & Case 3 LGL 2110 Estate & Probate Admin. 3 LGL 2940 Paralegal Internship ** 3 LGL xxxx Law Elective *  Total 15 hours
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<sup>\*</sup> Law Electives (choose two from list below)

LGL 2210 Practice & Procedures in Administrative Law

LGL 2130 Family Law (Prereq: LGL:1010 and LGL:1160)

LGL 2700 Advocacy: Mock Trial

LGL 3010 Law of Business Associations (Prereq: LGL:1010 and LGL:1720)

LGL 3030 Advanced Legal Research and Writing (Prereq: LGL:1010 and LGL:1160)

LGL 3050 Bankruptcy Practices & Consumer Applications (Prereq: LGL:1010  $\underline{and}$  LGL:1160)

LGL 3330 Litigation (Prereq: LGL:1150 and LGL:2020)

#### **Nurse Paralegal Certificate Degree Requirements**

(American Bar Association Approved Program. To be accepted into this program, a student must have at least an associate degree in nursing, hold a current R.N. license, and have at least 2,000 hours of nursing experience.)

Students should follow and complete the certificate requirements as displayed

	Fall Semester		Spring Semester	Summer Semester
Year One	LGL 1010 Introduction to Law LGL 1720 Law Practice Management LGL 2020 Civil Procedure	3 3 3	LGL 1150 Tort Law 3 LGL 1160 Legal Research, Wrtg. Case 3 LGL 2210 Administrative Law 3	LGL 2940 Paralegal Internship 3
	Total 9 hours		Total 9 hours	Total 3 hours



# **Minor in Legal Specialties**

This 21 credit hour minor is designed to give the student an overview of the legal profession and an understanding of the law. The Minor includes an introductory survey course, a case law study course, and a legal practice course. The remaining twelve hours give the student freedom to explore particular areas of interest in the legal field. Please note that this Minor does not prepare students for a career as a Paralegal and that the Minor in Legal Specialties is not approved by the American Bar Association.

Fall Semester			Spring Semester	
LGL 1010	Introduction to Law	3 Hours	LGL 1150 Tort Law	3 Hours
LGL 2120	Real Estate Law	3 Hours	LGL xxxx Law Elective	3 Hours
LGL xxxx	Law Elective	3 Hours	LGL xxxx Law Elective	3 Hours
LGL xxxx	Law Elective	3 Hours		
	<b>Total Hours</b>	12 Hours	Total Hours	9 Hours

#### Law Electives (select 4 courses from the following)

- LGL 1160 Legal Research & Writing (3 hrs.) (\*Prereq. LGL:1010)
- LGL 2110 Estate & Probate Administration (3 hrs.)
- LGL 2130 Family Law (3 hrs.) (\*Prereq. LGL:1010 & LGL:1160)
- LGL 2700 Advocacy: Mock Trial (3 hrs.)
- LGL 3010 Law of Business Associations (3 hrs.) (\*Prereq. LGL:1010 & LGL:1720)
- LGL 3110 Personal Law (3 hrs.) (\*Prereq. Junior Standing or Instructor Permission)
- LGL 3120 Personal Law II (3 hrs.) (\*Prereq. LGL:3120)
- LGL 3350 Alternative Dispute Resolution (3 hrs.) (\*Prereq. LGL:1010, LGL:1150 & LGL:2020)
- LGL 4030 Contract Law (3 hrs.) (\*Prereq. LGL:1010 & LGL:1160)
- LGL 4230 Health Care & the Law (3 hrs.) (\*Prereq. Junior Standing or Instructor Permission)

<sup>\*</sup> Students will be responsible for meeting all of the prerequisites for the required courses in the minor. Candidates for the minor must have their course work verified and approved by a ULS departmental adviser or the ULS department chair prior to application for graduation.



# College of Health Science and Human Service Faculty

# **Department of Counselor Education and School Psychology**

Wendy Cochrane, 2002, assistant professor

B.S., Miami University; M.A., The Ohio State University; Ed.S., Ph.D., University of South Florida

Yi Ding, 2008, assistant professor

B.Ed., M.Ed., Beijing Normal University; Ed.S., Ph.D., The University of Iowa

Paula Dupuy, 1989, professor

B.S., Bowling Green State University; M.Ed., Xavier University; Ed.D., University of Cincinnati

Holly L. Harper, 2008, assistant professor

B.A., Otterbein College; M.S.Ed., University of Dayton; Ph.D., Ohio University

John Laux, 2001, associate professor

B.A., Ambassador University; M.A., West Virginia University; Ph.D., The University of Akron

Nick J. Piazza, 1986, professor

B.A., Quincy College; M.A., Illinois State University; Ph.D., Southern Illinois University - Carbondale

Martin H. Ritchie, 1987, professor and chair

B.A., M.Ed., Ed.D., University of Virginia

Kathleen Salyers, 2001, associate professor

B.A., Ohio University; M.S.Ed., University of Dayton; Ph.D., Ohio University

#### EMERITUS AND SUPERANNUATE FACULTY

Richard J. Eastop, 1972, emeritus

B.S., M.Ed., Bowling Green State University

Robert E. Higgins, 1963, professor emeritus

B. S., Glenville State College; M.A., Gregory Peabody College for Teachers; Ed.D., Indiana University

A. Lorean Roberts, 1972, professor emerita

B.S.E., St. Joseph's College; M.S., Ph.D., Purdue University

Dan Seemann, 1962, professor emeritus

B.A., Columbia University; M.A., Ph.D., The University of Toledo

Molly Treynor, 1965, professor emerita

B.Ed., Bowling Green State University; M.Ed., The University of Toledo

Robert N. Wendt, 1975, professor emeritus

B.S., M.S., University of Wisconsin - Milwaukee; Ph.D., University of Wisconsin - Madison

H. Eugene Wysong, 1969, professor emeritus

B.S.Ed., M.A., Miami University; Ph.D., The Ohio State University



# **Department of Criminal Justice**

David Baker, 2000, associate professor

B.A., York University; M.A., Ph.D., York University

Shanhe Jiang, 2004, professor

B.A., Wuhan University; M.A., Nankai University; Ph.D., State University of New York at Albany

Morris Jenkins, 2001, associate professor

B.A., Claflin College; J.D., Stetson University; Ph.D., Northeastern University

Richard R. Johnson, 2008, assistant professor

A.S., B.S., M.S., Indiana University, South Bend; Ph.D., University of Cincinnati

Vincent Nathan, 2002, lecturer

B.A., LL.B., The University of Oklahoma

Michael T. Stevenson, 1989, assistant professor

B.S., M.Ed., The University of Toledo

Kasey Tucker, 2004, assistant professor

B.S., Lake Superior State University; M.S., Ferris State University; Ph.D. Western Michigan University

Lois Ventura, 2001, associate professor and interim chair

B.A., University of Findlay; M.A., The University of Toledo; Ph.D., Bowling Green State University

#### **EMERITUS FACULTY**

Charles W Carter, Sr., Ph.D.

Howard A. Nollenberger, Ph.D.

James A. Telb, Ph.D.

# 2000-2003 Odialog

# **Department of Health Professions**

Craig Black, 1979, associate professor Ph.D., Dartmouth College; RRT-NPS

Marie Janes, 2002, lecturer

M.Ed, Bowling Green State University; RHIA

Suzanne M. Spacek, 1986, assistant professor

AS., B.S., M.Ed., The University of Toledo; RRT-NPS; CPFT

Margaret F. Traband, 1975, professor and associate dean for undergraduate education

A.S., Cuyahoga Community College; B.S., M.Ed., The University of Toledo; RRT

Michael Troxell, 2002, lecturer

B.S., Bowling Green State University; M.Ed., Ph.D., The University of Toledo; RRT

Suzanne Wambold, 1989, professor and chair



A.S.S., Owens Community College; R.N., B.Ed., M.Ed., Ph.D., The University of Toledo; RCVT; RDCS; FASE

Mary Ellen Wedding, 1977, professor

C.M.A., B.S., Sienna Heights College; M.T., A.S.C.P., M.Ed., The University of Toledo

#### EMERITUS FACULTY

Donna Adler

Barbara A. Gylys

# Department of Health and Rehabilitative Services

Barbaranne Benjamin, 1988, professor and associate dean for research and graduate education

B.A., Mansfield State College; M.S., M.A., Ph.D., The Pennsylvania State University

Betty Coleman, 2007, lecturer

B.A., Montclair State College; M.A., Hunter College

Lee Ellis, 1989, professor

B.A., University of Maine - Portland; M.A., University of Maine - Orono; Ph.D., Ohio University

Joseph A. Dake, 2006, associate professor

B.A., M.P.H., Ph.D., The University of Toledo

Tavis Glassman, 2008, assistant professor

B.Ed., M.S.Ed., The University of Toledo; M.P.H., The Ohio State University; Ph.D., University of Florida

Bruce W. Groves, 1978, associate professor

B.B.A., M.Ed., Ed.D., The University of Toledo

Timothy R. Jordan, 2001, associate professor

B.S.E., Bowling Green State University; M.Ed., Ph.D., The University of Toledo

Patricia M. Knisley, 2002, lecturer

B.S., College of Mount St. Joseph; M.S., Saint Michael's College

Ruthie Kucharewski, 1998, professor and chair

B.S., Kent State University; M.Ed., The University of Toledo; Ph.D., Bowling Green State University

Yongho Lee, 2008, assistant professor

B.P.E., Myong-Ji University; M.S., Western Illinois University; Ph.D., University of Minnesota

Laura E. Lenkey, 2008, assistant professor

B.S., M.A., DeKalb; Ph.D., Florida State University

Darryl R. Lippman, 2001, lecturer

B.S., B.A, University of Southwestern Louisiana; M.H.A., Duke University

Eric L. Longsdorf, 2001, assistant professor

B.Ed., M.Ed., Ph.D., The University of Toledo

Caroline Menezes, 2008, assistant professor



B.Sc., M.Sc., University of Madras; M.A., Ph.D., Ohio University

Mirella G. Pardee, 1978, associate professor

R.N., B.S.N., The University of Toledo; M.S.N., Wayne State University

Lori A. Pakulski, 2000, associate professor

B.A., Michigan State University; M.S., Ph.D., Bowling Green State University

Mary Jo Seiber, 1981, assistant professor

R.N., B.S.N., University of Michigan; M.S.N., Medical University of Ohio

Susan K Telljohann, 1987, professor

B.S., Bowling Green State University; M.S., H.S.D., Indiana University

#### **EMERITUS FACULTY**

Gere B. Fulton, 1971, professor emeritus

B.S., East Stroudsburg State College; M.A., Ph.D., University of Maryland; J.D., The University of Toledo

George B. Gilmore, 1966, professor emeritus

B.S., Slippery Rock State College; M.Ed., University of Pittsburgh; Ph.D., The University of Toledo

Lionel R. Mcllwain, 1969, professor emeritus

Diploma, Sydney Teachers College; B.S., M.S., University of Oregon; Ed.S., The University of Toledo

Dean F Miller, 1970, professor emeritus

B.S., Wheaton College; M.S., H.S.D., Indiana University

Steven L. Ranck, professor emeritus

B.S., M.Ed., Trinity University; Ph.D., University of New Mexico

# **Department of Kinesiology**

Charles W. Armstrong, 1977, professor and chair

B.S., Slippery Rock State College; M.Ed., Ph.D., University of Pittsburgh

Elyce Ervin, 2003, lecturer

B.S., M.S., Youngstown State University

Leonard O. Greninger, 1974, professor

B.S.Ed., Southwest Missouri State University; M.S., Ph.D., University of Illinois

Philip Gribble, 2003, assistant professor

B.A., M.A., University of North Carolina; Ph.D., The Pennsylvania State University

Heather L. Hug, 2007, lecturer

B.S., Defiance College; M.S., Bowling Green State University

Alice McAfee, 1986, associate professor

B.S., Allegheny College; M.A., Siena Heights College; Ph.D., University of Pittsburgh



Tom McLoughlin, 2004, assistant professor

B.S., Ithaca College; M.A., Adelphi University; Ph.D., The University of Toledo

Danny Pincivero, 2001, professor

B.A., York University; M.Ed., University of Virginia; Ph.D., University of Pittsburgh





Francis X. Pizza, 1998, professor

B.Ed., The University of Toledo; M.A., Adelphi University; Ph.D., The University of Toledo

James M Rankin, 1984, associate professor

B.S.Ed., University of Michigan; M.A., Western Michigan University; Ph.D., Michigan State University

Barry Scheuermann, 2003, associate professor

B.A., Ph.D., University of Western Ontario

#### **EMERITUS FACULTY**

John N. Drowatzky, 1965, professor emeritus

B.S., University of Kansas; M.S., Ed.D., University of Oregon; J.D., The University of Toledo

P. Brooke Johnson, 1960, professor emeritus

B.S., University of Maryland; M.S., The Pennsylvania State University; Ph.D., Michigan State University

Donald C. Stolberg, 1963, professor emeritus

B.S., Western Michigan University; M.A., Ph.D., Michigan State University

# **Department of Military Science -- Army ROTC**

Brandee S. Lockard, LTC, 2006, Professor of Military Science B.S., Texas Christian University; M.S. Troy State University

Geoffrey B. Ovenden, LTC (ret), 1998, Enrollment Officer B.S., Bowdoin College; M.S. Ed., Youngstown State University

John C. Parks, SFC, 2006, Senior Military Science Instructor

# **Department of Social Work**

Reva Allen, 2002, associate professor

B.A., Baylor University; M.A., University of Chicago; Ph.D., University of Kansas

Ann Biddlestone, 2002, lecturer

B.A., M.S.W., The Ohio State University

David Browning, 1989, assistant professor

B.A., Bowling Green State University; M.Ed., The University of Toledo

Terry Cluse-Tolar, 1997, associate professor and chair

A.B., Ohio University; M.S.W., Ph.D., The Ohio State University

Martha Delgado, 1996, field director

B.A., Mary Manse College; M.S.W., University of Michigan

Janet M. Hoy, 2008, assistant professor



B.S.N., Bowling Green State University; M.S., Ph.D., Case Western Reserve University

Mylo Jennings, 2000, associate professor

A.A., Blue Mountain Community College; B.S., M.S., Western Oregon State College; M.S.W., Ph.D., The Ohio State University

Sudershan Pasupleti, 2001, associate professor

B.S.W., Ph.D., Osmania University, India; M.A (SW); M.Phil (SW), Delhi University, India

Michael Prior, 2006, assistant professor

B.A., Eastern Michigan University; M.S.S.W., Ph.D., University of Texas at Arlington

Edward Suh, 2002, associate professor

B.S.W., M.S.W., Seoul National University; M.S.W., Boston College; Ph.D., Brandeis University

Celia Williamson, 2000, professor

A.A.S., B.S., The University of Toledo; M.S.S.A., Case Western Re-serve University; Ph.D., Indiana University

#### EMERITUS AND SUPERANNUATE FACULTY

J. Truett Fogle

Jeanne E. Mazan

Carolyn Miller

# Department of Undergraduate Legal Specialties

Carol Linker, 1987, associate professor

B.B.A., Eastern Michigan University; J.D., The University of Toledo; L.P.C.C. (Ohio)

Bradene Moore, 1990, associate professor

B.A., Michigan State University, J.D., The University of Toledo

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