COLLEGE OF HEALTH AND HUMAN SERVICES

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COLLEGE OF HEALTH AND HUMAN SERVICES

Accreditation

The Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredits the College of Health and Human Services' programs in cardiovascular and respiratory care. 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; nursing by the Commission on Collegiate Nursing Education and National League for Nursing and Ohio Board of Nursing; 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; speech-language pathology by American Speech-Language-Hearing Association; and health information management by the Commission on Accreditation of Health Informatics and Information Management (CAHIIM).

Degrees Offered

The college offers certificate programs and associate's, bachelor's and post-bachelor's degrees. Also offered are minors in military science, exercise science, forensic science investigation and criminal justice.

Admission Policies

Beginning in fall 2005, to be admitted to the College of Health and Human Services 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 and Human Services regardless of high school GPA.

Students not qualifying for admission to the College of Health and Human Services will be admitted to University College as pre-majors. Students who want to transfer from University College to the College of Health and Human Services 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:

- Associate's degree nursing
- Bachelor's degree nursing
- 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 and Human Services, 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 and Human Services 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 and Human Services. 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 and Human Services. For students transferring to the College of Health and Human Services 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 and Human Services 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 and Human Services.

Readmission of Former Health and Human Services Students

Students who have withdrawn from the College of Health and Human Services 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 and Human Services 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 and Human Services 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 and Human Services 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 and Human Services 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 and Human Services 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 and Human Services 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 and Human Services 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, IW Grades)

The number of credit hours of W and IW is limited to 22 hours for all undergraduate students in degree programs in the College of Health and Human Services. Once a student has accumulated 22 hours of W or IW, 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 and IW.

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 or IW 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 and Human Services.
- 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 and Human Services 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 Criminal Justice

Eric Lambert, chair

Degree Programs

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

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 problem-solving 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.

Required:		**21 hours**	
CRIM	1010	Criminal Justice	3
CRIM	1110	Penology	3
CRIM	1240	Policing	3
CRIM	2230	Constitutional Law	3
CRIM	2250	Juvenile Justice	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.

Required: *		**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

* 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.

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

	Fall Semester		Spring Semester	
Freshman Year	C Computer Science Course	3	CRIM 1110 Penology	3
	RIM 1010 Criminal Justice	3	CRIM 1240 Policing	3
	CRIM 1040 Human Relations	3	PSC 1200 American National Govern.	3
	ENGL 1100 or 1110 College Comp. I	3	SOC 1010 Intro to Sociology	3
	PSY 1010 Principles of Psychology	3	MATH 1180 Math for Liberal Arts (or higher)	3
	HHS 1000 Freshmen Orientation	1		
	Computer Science Course	**3**		
	Total 16 hours		**Total 15 hours**	
Sophomore Year	CRIM 2010 Court Case Processing	3	CRIM 2150 Applied Psychology & Criminology in Criminal Justice	3
	CRIM 2200 Criminal Law	3	CRIM 2250 Juvenile Justice	3
	CRIM 2230 Constitutional Law	3	Humanities/Fine Arts Course	3
	ENGL 1130 or higher College Comp II	3	Natural Science	3
	Humanities/Fine Arts Course	3	Elective	3
	Total 15 hours		**Total 15 hours**	
Junior Year	CRIM Electives	6	CRIM 4100 Research Methods in Criminal Justice	3
	Supporting Course	3	CRIM Elective	3
	Natural Science	3	Supporting Courses	6
	Multicultural Course	3	Elective	3
	Elective	3	**Total 15 hours**	
	Total 18 hours			
Senior Year	CRIM 4200 Ethics in Criminal Justice	3	CRIM 4300 Theories of Crim. Justice	3
	CRIM 4590 Adm. of Criminal Justice	3	CRIM Elective	3
	Computer Science Course	3	Elective	6
	Elective	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.

Department of Health Professions

Suzanne Wambold, chair

Degree Programs

Cardiovascular
- Associate's degree

Health Information Management
- Bachelor's degree

Nursing
- Associate's degree
- Bachelor's degree

Respiratory Care Program
- Bachelor's degree

Certificate Programs

EKG Technician

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.

The associate's degree program is designed to offer additional study in cardiovascular health care for those students who have completed the one-year EKG technician certificate program. All courses are transferable to the associate's degree program. Students completing the EKG Technician Certificate perform EKGs, ambulatory monitoring and stress tests. Upon graduation, they may take a credentialing exam through Cardiovascular Credentialing International (CCI). 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

Although admission to the college is open, acceptance into the cardiovascular program is limited because of 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.

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 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 **Total 16 hours**	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 **Total 16 hours**	CARD 1390 12-Lead EKG Interpretation Clinical 4 **Total 4 hours**
Sophomore Year	CARD 2080 Echocardiography 4 CARD 2090 Echocardio Lab/Clinical I 4 CARD 2370 Ultrasound Instrument Mechanics and Wave Physics 1 PSY 1010 Prin. of Psychology 3 Humanities/Fine Arts Elective 3 **Total 15 hours**	CARD 2180 Advanced Echocardiography 2 CARD 2190 Echocardio Lab/Clinical II 4 CARD 2380 Ultrasound Physics and Instrumentation 4 Humanities/Fine Arts Elective 3 Social Science Core Elective 3 **Total 16 hours**	CARD 2500 Cardiovascular Clinical 3 **Total 3 hours**

Associate of Applied Science in Cardiovascular- Peripheral Vascular 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 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 **Total 16 hours**	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 **Total 16 hours**	CARD 1390 12-Lead EKG Interpretation Clinical 4 **Total 4 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 **Total 15 hours**	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 **Total 16 hours**	CARD 2500 Cardiovascular Clinical 3 **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 1 HEAL 1800 Medical Terminology 3 BUAD 1020 Microcomputer Applications 3 **OR** CMPT 1100 Computer Info Systems 3 KINE 2560 Human Anatomy and Physiology I 3 KINE 2460 A & P I Lab 1 ENGL 1100 Coll. Comp. I with Workshop 3 OR ENGL 1110 College Composition I 5 PHIL 1020 Critical Thinking 3 **Total 17-19 hours**	KINE 2570 Human Anatomy & Physiology II 3 KINE 2470 A & P II Lab 1 MATH 1180 Mathematics for Liberal Arts 3 BMGT 1540 Organizational Behavior 3 Social Science Elective 3 Natural Science Elective 3 **Total 16 hours**	
Sophomore Year	ENGL 2950 Science & Technical Report Writing **or** ENGL 2960 Organizational Report Writing 3 KINE 2580 Hum Pathophysiology for Healthcare 3 ECON 1200 Principles of Micro Economics 3 Humanities/Fine Arts Elective 3 Multicultural 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 **Total 15 hours**	
Junior Year	HIM 3200 HC Res, Payers, & Consum 3 HIM 3210 Acute Care Clinical & Classification Systems and Services 3 HIM 3230 HC Documentation Req 3 COMM 3810 Group Communication **or** COMM 3880 Professional Business Comm. 3 BUAD 3030 Managerial & Behavioral Process in Organizations 3 **Total 15 hours**	HIM 3220 Ambulatory Clinical Classification Systems and Services 3 HIM 3240 Health Info Admin Practices 4 BUAD 3050 Inf. Tech Mgmt 3 INFS 3250 Software Appl in Business 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 Law and Ethics – Health Inform 3 HIM 4220 Project Management in HC 4 INFS 3370 Business Data Communications 3 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**	

Associate of Applied Science in Nursing

Ruth Ankele, interim director

Betty Lemon, assistant director

The associate's degree nursing program centers on the nursing self-care deficit theoretical framework of Dorothea Orem. The nursing program is accredited by the National League for Nursing, is approved by the Ohio Board of Nursing, and holds agency membership in the Council of Associate Degree Programs of the National League for Nursing. Nursing students in the program are exposed to service-learning experiences that allow for interactions with diverse clients in multiple settings, with an emphasis on therapeutic communication and critical thinking. The curriculum consists of courses in nursing, general education, biological, physical and social sciences, and the humanities. The student is expected to attend four to six classes per week and participate in two, eight-hour clinicals off-site per week. Depending on the course, the clinical off-site experience is seven to 13 weeks. The preceptorship clinical (senior practicum) is during the last nine weeks of the fourth semester. This consists of 105 hours – 88 clinical hours and 17 seminar hours. Due to the scholarly nature of the course work, students are encouraged to decrease outside work and activities to assure success in this rigorous program.

Selective Admissions Requirements

Once admitted to the University, each student must file a separate application for the nursing program with Student Services. A written statement regarding selective admission criteria is available upon request or can be accessed on the nursing program Web page at *www.hhs.utoledo.edu/nursing/admissionreq.html*. Each applicant is encouraged to review the information for admission to the program listed on the Web page, as there are multiple health requirements that must be completed to enter clinicals in health-care centers around the metropolitan Toledo area. Complete information about health requirements can be found in the Associate Degree Nursing Student Handbook at *www.hhs.utoledo.edu/nursing*. The student will be notified in writing of acceptance into the program once all the admission requirements for nursing are completed.

Degree Requirements

Students should follow and complete the degree requirements in sequence as displayed in the A.D. nursing program of study chart.

The student must also successfully complete the prerequisites prior to entering the clinical phase of the program. Any student who has a total of two failures in any prerequisite science and/or math course will not be eligible for admission to the A.D. nursing program. All selective admission applicants must pass the Nurse Entrance Exam (NET) with the appropriate cut scores.

Associate of Applied Science in Nursing – Degree Requirements

Students should follow and complete **in sequence** the degree requirements as displayed.

	Offered Each Semester		Offered Each Semester	
Prerequisites	**Required Prior to Entrance:**		**Required Prior to Entrance:**	
	KINE 2560 Anatomy and Physiology	3	CPR Certification and Health Requirements	
	KINE 2460 Anatomy & Physiology Lab	1	NET test composite score of 60 (reading and critical thinking score of at least 50; Math score of at least 60)	
	ENGL 1110 English Comp I	3		
	CHEM 1120 Chemistry for the Health Sciences	4	Computer basics encouraged	
	MATH 1320 College Algebra	3	Cumulative GPA 2.7 or higher	
	Total 14 hours			
1st and 2nd Semester	KINE 2570 Anatomy & Physiology II	3	HHS 2590 Microbiology and Infect Diseases	3
	KINE 2470 Anatomy & Physiology Lab	1	NURA 1290 Nursing for Adults II	6
	PSY 1010 Intro to Psychology	3	NURA 2110 Nursing for Mental Health	4
	NURA 1180 Nursing for Adults I	5		
	NURA 1190 Foundations of Nursing	5		
	Total 17 hours		**Total 13 hours**	
3rd and 4th Semester	ENGL 1130 or higher College Comp II	3	NURA 2280 Nursing for Infants & Children	4
	NURA 2180 Nursing Maternal Health	4	NURA 2290 Nursing for Adults IV	6
	NURA 2190 Nursing for Adults III	6	NURA 2300 Nursing for Self-Care	1
	Humanities/Fine Arts Elective	3		
	Total 16 hours		**Total 11 hours**	

Total Program Credits 71

Bachelor of Science in Nursing

Jeri Milstead, dean, School of Nursing, Medical University of Ohio

Susan Batten, associate dean of undergraduate nursing program, Medical University of Ohio

Patricia Hoover, coordinator of nursing advisement

Degree Offered

Students completing the program earn a bachelor of science in nursing degree. Classes in the major are taught by Medical University of Ohio College of Nursing faculty. The College of Nursing is accredited by the Commission of Collegiate Nursing Education and has full approval of the Ohio Board of Nursing.

Fees for the nursing program are the same as for all other degree programs. Additional charges, however, are required for uniforms, professional liability insurance; required health tests, immunizations and physical examination; lab fees; class workbooks; senior comprehensive examinations; and convocation. Transportation to classes at the Medical University of Ohio and to the clinical placements is the responsibility of the student.

Basic Bachelor of Science in Nursing Program

Students are admitted to the nursing major at the end of the sophomore year; admission is competitive. Applications must be submitted to the nursing adviser by Dec. 1 for the following summer class. Selective admission is dependent on:

1. A minimum cumulative GPA of 2.5 in all course work.
2. Completion of prerequisite courses with a minimum grade of C in each course.
3. Completion of the following prerequisite courses by the end of spring semester preceding admission to the major: basic biology; MATH 1180, and 1260 or higher; English Composition I and II; PSY 1010 and 2510; PHIL 3370; HEAL 4700; statistics; a basic computer course; anatomy; physiology; microbiology; and chemistry.
4. Mastery of basic mathematics is associated with success in the nursing major and is essential for performing medication calculations in the clinical setting. Each student much achieve 90 percent or higher on the math exam; individuals scoring less than 90 percent will be referred for assistance in math, then retest until the required score is achieved. Cost of retesting is the student's responsibility.

Requirements for the Basic Program

The major in nursing includes the following courses: NURS 3010, 3110, 3120, 3130, 3170, 3180, 3210, 3620, 3630, 3640, 4010, 4020, 4030, 4250 and 4950. All courses in the major must be taken for a grade. A minimum grade of C is necessary for a student to progress to the next course. A minimum GPA of 2.0 in the nursing major is necessary to remain in the major and for graduation.

Courses specified above constitute an intensive undergraduate program of study in baccalaureate nursing. A minimum of 124 semester hours of credit is required for graduation. In addition, students should take the following courses.

Supporting Courses

These courses must be completed before taking NUBS 3010 Nursing Agency I, which is taught summer only.

Prerequisites

HEAL	4700	Principles of Nutrition	3
PHIL	3370	Medical Ethics	3
PSY	2510	Lifespan Developmental Psychology	3
Computer Course		(See adviser)	3
Statistics		(See adviser)	3

Social Sciences

PSY	1010	Principles of Psychology	3

Natural Sciences

CHEM	1120	Chemistry for the Health Sciences	4 **or** Equivalent (see adviser)
KINE	2590	Microbiology	3
BIOL	Basic Biology or higher		3
KINE	2560	Anatomy & Physiology I	3
KINE	2460	Anatomy & Physiology I Lab	1
KINE	2570	Anatomy & Physiology II	3
KINE	2470	Anatomy & Physiology II Lab	1

Students should follow and complete the degree requirements as displayed in the B.S.N. nursing program of study chart.

Honors Program in Nursing

Admission to the departmental Honors Program is based on a minimum of junior standing, overall GPA of 3.5, two letters of recommendation from University faculty members, and an interview with the departmental honors adviser. Students seeking honors recognition at graduation must have a minimum overall GPA of 3.5 and in the nursing major, successfully complete two departmental honors recognition courses for a total of six semester hours, and do an independent research project culminating in a written thesis and an oral presentation of the results.

Track for Registered Nurses (R.N. to B.S.N.)

The R.N. Track admits Registered Nurse students who are graduates of diploma or associate's degree programs. The R.N. student achieves the same terminal objectives of the nursing program as the basic student. However, in recognition of previous learning experiences and unique characteristics of the adult learner, the department believes the R.N. may do so in an accelerated and flexible manner. The faculty believes the adult learner possesses varying degrees of knowledge and sees the faculty role as augmenting the previous knowledge base to facilitate a transition to baccalaureate nursing. The nursing courses and the required supporting University courses provide the opportunity for this transition. The program of study consists of 124 semester hours of credit, which can be earned on a full-time or part-time basis and includes general education courses and professional upper division nursing courses. Please contact coordinator of nursing advisement for evaluation of transfer credit from R.N. program.

Criteria for those seeking admission to the R.N Track are:

1. Admission to the University.
2. Completion of prerequisite courses with a minimum grade of C in each course (see number 3 under Basic Program above).
3. A minimum cumulative GPA of 2.5 in all course work.
4. Graduation from an accredited nursing program.
5. Validation of previous nursing knowledge by portfolio for diploma or non-articulation associate program graduates.
6. Current licensure to practice as a Registered Nurse in the State of Ohio.

Requirements for the R.N. Track

Courses in the nursing major are NURS 4120, 4180, 4190, 4200, 4210, 4220, and 4230.

Bachelor of Science in Nursing – Degree Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	HHS 1000 College Orientation 1 ENGL 1110 College Composition I 3 HEAL 1800 Medical Terminology 3 PSY 1010 Principles of Psychology 3 MATH 1180 Mathematics for Liberal Arts 3 EEES 2150 Biodiversity 4 **Total 17 hours**	ENGL 1130 or higher College Comp II 3 CHEM 1120 Chem for Health Sciences 4 PSY 2510 Lifespan Develop. Psych 3 HHS 2550 Human Anatomy 3 Elective 2 **Total 15 hours**	
Sophomore Year	HHS 2570 Human Physiology 3 PHIL 3370 Medical Ethics 3 Statistics 3 Humanities/Fine Arts Core Course 3 Non-Western Diversity 3 Elective 1 **Total 16 hours**	HEAL 4700 Nutritional Science 3 Computer course 3 HHS 2590 Microbiology 3 Diversity of U.S. Culture 3 Social Science Core Course 3 Elective 1 **Total 16 hours**	NURS 3010 Nursing Agency I 3 NURS 3110 Nursing Agency II 3 **Total 6 hours**
Pre-Junior Year	***Apply to MCO***		
Junior Year	NURS 3120 Adult Health Nursing I 7 NURS 3170Concepts in Pathophysiology 3NURS 3180 Concepts of Nursing Pharmacology 3 NURS 3210 Nursing Agency III 3 **Total 13 hours**	NURS 3620 Women's Health Nursing 6 NURS 3640 Parent-Child Nursing 6 NURS 4950 Nursing Research 3 Humanities/Fine Arts Core Course 3 **Total 16 hours**	
Senior Year	NURS 3130 Gerontology 3 NURS 4010 Community Health Nursing 6 NURS 3630 Mental Health Nursing 6 **Total 13 hours**	NURS 4020 Ldrshp/Mngmnt in Nursing 3 NURS 4030 Adult Health Nursing II 7 NURS 4250 Nursing Competency Prep 1 **Total 11 hours**	

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

Although admission to the college is open, 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. A written statement regarding selective admission criteria is available upon request from the college's Student Services Office, or may be accessed on the Respiratory Care Program Web page at *www.hhs.utoledo.edu/respiratorycare/admissionreq.html*.

- 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.
- Minimum cumulative GPA of 2.5 (college or higher education).
- Complete all required developmental courses.
- Satisfy the prerequisites for MATH 1320.

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
Students should follow and complete the degree requirements as displayed.

	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 A & P I Lab 1 HEAL 1800 Med. Terminology 3 ENGL 1110 College Composition I 3 **Total 14 hours**	ENGL 1130 or higher College Comp II 3 PHIL 1020 Critical Thinking 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 A & P II Lab 1 CHEM 1120 Chemistry for Health Sciences 4 **Total 14 hours**	
Sophomore Year	KINE 2590 Microbiology & Inf. Diseases 3 HEAL 3800 Death & Dying 3 CMPT 1100 Computer Info. Applications 3 Prof. Support Elective (see list) 3 Multicultural Elective 3 **Total 15 hours**	HEAL 4700 Nutrition Science 3 PHIL 3370 Medical Ethics 3 PSY 1010 Introduction to Psychology 3 Prof. Support Elective (see list) 3 Humanities Elective 3 **Total 15 hours**	RCBS 3010 Resp. Care Fundamentals 4 RCBS 3020 Respiratory Care Practice I 4 **Total 8 hours**
Junior Year	RCBS 3110 Resp. Care Therapeutics I 4 RCBS 3120 Resp. Care Practice II 7 RCBS 3130 Cardiopulmonary Diagnostics I 4 **Total 15 hours**	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 17 hours**	
Senior Year	RCBS 4140 Integrated Clinical Practice I 4 RCBS 4150 Neonatal/Ped. Resp. Care 4 RCBS 4160 Clinical Assessment 3 RCBS 4700 Rsch. Analysis in Resp. Care 3 **Total 14 hours**	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 **Total 14 hours**	

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 4360 Quality Assurance in Health Care
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

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)

RCBS	4160	Clinical Assessment	3
RCBS	3300	Advanced Cardiac Life Support	1
RCBS	4700	Research Analysis in Respiratory Care	3

Area of Specialization (Select a minimum of 6 hours)

RCBS	4150	Neonatal/Pediatric Respiratory Care	4
RCBS	3230	Cardiopulmonary Diagnostics II	3
RCBS	4510	Respiratory Care in Alternate Sites	3
RCBS	4800	Issues in Professional Practice	3
RCBS	4740	Polysommography I	3
RCBS	4760	Polysommography II	3

Professional Support Courses

Required Professional Support Courses (16 hours)

HCAR	4360	Quality Assurance in Health Care	3
HCAR	4530	Problem Solving in the Health Care Environment	4
HCAR	4510	Medical and Legal Aspects of Health Care	3
HCAR	4550	Health Care Finance	3
PHIL	3370	Medical Ethics	3

Professional Support Electives (6 hours)

HEAL	3500	Environmental Health	3
HEAL	3800	Death and Dying	3
HEAL	4560	Health Problems of Aging	3
HEAL	4700	Nutritional Science	3
HEAL	4800	Public Health Research and Statistics	3
HIM	3200	Healthcare Resources, Payers & Consumers	3

General Electives **21-26**

Cardiovascular Certificate Program

The one-year EKG technician certificate program is designed to provide its graduates with experience to perform electrocardiograms, ambulatory monitoring and exercise stress testing. Graduates of the one-year program qualify to take the National Certified Cardiographic Technician (CCT) Exam offered through Cardiovascular Credentialing International (CCI). Students completing the one-year EKG certificate may apply to complete the associate degree option. All courses are transferable to the associate's degree program.

Selective Admissions Requirements

Although admission to the college is open, acceptance into the cardiovascular program is limited. 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.

EKG Certificate Requirements

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

EKG Certificate Degree Requirements

Students should follow and complete the certificate requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
Year One	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 Orientation 1 **Total 16 hours**	CARD 1280 12-Lead Interpretation 4 CARD 1290 12-Lead Interpretation Lab 1 RCBS 3300 ACLS 1 ENGL 2950 Scientific Tech Report Writing 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Physiology Lab 1 PSY 1010 Principles of Psychology 3 MATH 1320 College Algebra 3 **Total 19 hours**	CARD 1390 12-Lead EKG Interpretation Clinical 4 **Total 4 hours**

Note: Students must have passed high school biology or anatomy and physiology and high school chemistry with a C or better, or successfully complete KINE 2560 Anatomy and Physiology I and CHEM 1090 Elementary Chemistry with a C or better.

Department of Kinesiology

Charles Armstrong, chair

Degree Programs

Bachelor of Science in Exercise Science

- Athletic Training
- Biomechanics
- Applied and Clinical Physiology
- Exercise Physiology
- Kinesiotherapy
- Pre-physical Therapy

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 specialize in one of the following six areas: athletic training, 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 (athletic training, biomechanics, applied and clinical physiology, exercise physiology, kinesiotherapy or pre-physical therapy) program of study charts.

Athletic Training

The B.S.E.S. concentration in athletic training prepares students for entry-level positions in college/university, high school, sports medicine clinic, professional 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 more than 30 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 in the professional component currently is 36 students and is based on the number of clinical instructors within the athletic department and the number of sports offered by the University. 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 Clinical 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.

More information about the athletic training education program is available at

www.hhs.utoledo.edu/kinesiology/athletic_kins_home.html

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.

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 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. 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 Exercise Science – Applied and Clinical Physiology Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	CHEM 1230 General Chemistry I	4	CHEM 1240 General Chemistry II	4
	CHEM 1280 General Chemistry I Lab	1	CHEM 1290 General Chemistry II Lab	1
	KINE 1700 Intro to Exercise Science	2	ENGL 2950 Scientific Tech. Rpt. Wrtg.	3
	ENGL 1110 College Composition I	3	HEAL 1500 First Aid	2
	MATH 1340 Algebra & Trig	4	Humanities/Fine Arts Elective	3
	HHS 1000 College Orientation	1	Social Science Core Elective	3
	Total 14 hours		**Total 16 hours**	
Sophomore Year	BIOL 2150 Fund. Life Science I	4	BIOL 2170 Fund. Life Science II	4
	BIOL 2160 Fund Life Science I Lab	1	BIOL 2180 Fund. Life Science II Lab	1
	KINE 2510 Human Anatomy	3	KINE 2530 Human Physiology	3
	KINE 2520 Human Anatomy lab	1	KINE 2540 Human Physiology Lab	1
	KINE 2960 Growth Devel. & Motor Lrng.	4	HEAL Health Elective	3
	Multicultural Non Western Elective	3	Social Science Core Elective	3
	Total 16 hours		**Total 15 hours**	
Junior Year	PHYS 2070 General Physics I	5	CARD 1280 12-Lead Interpretation	4
	CARD 1180 Cardiac Dysrythmias	4	CARD 1290 12-Lead Interpretation Lab	1
	CARD 1190 Cardiac Dysrythmias Lab	1	KINE 3820 Sports Medicine for Coaches	3
	KINE 3520 Appl'd Exercise Physiology	3	COMM 3840 Interpersonal Comm.	4
	KINE 3530 Appl'd Exercise Phys. Lab	1	KINE 2580 Human Pathophysiology	3
	KINE 3730 Fitness Assess. & Program.	2		
	Total 16 hours		**Total 17 hours**	
Senior Year	KINE 4540 Biomechanics	3	KINE 4850 Exercise Testing & Program.	3
	KINE 4550 Biomechanics Lab	1	KINE 4860 Exercise Testing & Prog. Lab	1
	KINE 4910 Senior Project	4	KINE 4940 Internship	4
	RESM 4100 Educational Statistics	3	HEAL Health Elective	3
	HEAL Health Elective	3	Multicultural Diversity US Culture Elective	3
	HEAL 4700 Nutrition Science	3	**Total 14 hours**	
	Total 17 hours			

Bachelor of Science in Exercise Science – Applied and Clinical Physiology - Cardiovascular Option Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	CHEM 1230 General Chemistry I	4	CHEM 1240 General Chemistry II	4
	CHEM 1280 General Chemistry I Lab	1	CHEM 1290 General Chemistry II Lab	1
	ENGL 1110 College Composition I	3	ENGL 2950 Scientific Tech. Rpt. Wrtg.	3
	MATH 1320 College Algebra	3	PSY 1010 Principles of Psychology	3
	HEAL 1800 Medical Terminology	3	Humanities/Fine Arts Elective	3
	HHS 1000 College Orientation	1		
	Total 15 hours		**Total 14 hours**	
Sophomore Year	BIOL 2150 Fund. Life Science I	4	BIOL 2170 Fund. Life Science II	4
	BIOL 2160 Fund Life Science I Lab	1	BIOL 2180 Fund. Life Science II Lab	1
	KINE 2560 Anat. & Physiol. I	3	KINE 2570 Anat. & Physiol. II	3
	KINE 2460 Anat. & Physiol. I Lab	1	KINE 2470 Anat. & Physiol. II Lab	1
	Social Science Core Elective	3	PHCL Drugs, Medication & Society	3
	Multicultural Non Western Elective	3	COMM 3840 Interpersonal Comm.	4
	Total 15 hours		**Total 16 hours**	
Junior Year	PHYS 2070 General Physics I	5	CARD 1280 12-Lead Interpretation	4
	CARD 1180 Cardiac Dysrythmias	4	CARD 1290 12-Lead Interpretation Lab	1
	CARD 1190 Cardiac Dysrythmias Lab	1	RCBS 3300 Ad. Cardiac Life Support	1
	KINE 3520 Appl'd Exercise Physiology	3	KINE 4910 Senior Project	4
	KINE 3530 Appl'd Exercise Phys. Lab	1	RESM 4100 Educational Statistics	3
	HEAL 4700 Nutrition Science	3	Multicultural Diversity US Culture Elective	3
	Total 17 hours		**Total 16 hours**	
Senior Year	KINE 4540 Biomechanics	3	KINE 4850 Exercise Testing & Program.	3
	KINE 4550 Biomechanics Lab	1	KINE 4860 Exercise Testing & Prog. Lab	1
	CARD 2370 Ultrasound Physics	1	CARD 2380 Ultrasound Phys. & Instrum.	4
	CARD 2400 PV Venous Disorders	4	CARD 2420 Peripheral Vascular	2
	CARD 2410 PV Vasc. Lab/Clin. I	4	CARD 2430 PV Vasc. Lab/Clin. II	4
	or		or	
	CARD 2080 Echocardiography	4	CARD 2180 Adv. Echocardiography	2
	CARD 2090 Echo Lab/Clin. I	4	CARD 2190 Echo Lab/Clin. II	4
	Total 13 hours		**Total 14 hours**	

CARD 1390 Cardiac Dysrythmias Internship 4 Summer
CARD 2500 Cardiovascular Clinic 3 Summer

Bachelor of Science in Exercise Science - Athletic Training Degree Requirements
Students should follow and complete the degree requirements as displayed.

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

Bachelor of Science in Exercise Science – Biomechanics Degree Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	MATH 1850 Calculus I	4	MATH 1860 Calculus II	4
	ENGL 1110 College Composition I	3	HEAL 1500 First Aid	2
	KINE 1700 Intro to Exercise Science	2	BIOL 2170 Biology II	4
	BIOL 2150 Biology	4	BIOL 2180 Biology II Lab	1
	BIOL 2160 Biology I Lab	1	EECS 1050 Intro to Comp. In C/C++	2
	HHS 1000 Orientation	**1**	HEAL Health Elective	3
	Total 15 hours		**Total 16 hours**	
Sophomore Year	CHEM 1230 General Chemistry I	4	PHYS 2130 Physics for Sci. & Eng. I	5
	CHEM 1280 General Chemistry I Lab	1	KINE 2530 Human Physiology	3
	KINE 2510 Human Anatomy	3	KINE 2540 Human Physiology Lab	1
	KINE 2520 Anatomy Lab	1	ENGL 2950 Scientific Tech. Rpt. Wtr.	3
	PHYS 2140 Physics for Sci. & Engr. II	5	Humanities/Fine Arts Elective	3
	PSY 1010 Principles of Psychology	3		
	Total 17 hours		**Total 15 hours**	
Junior Year	CIVE 1150 Engr'g Mechanics: Statics	3	MIME 2300 Engr'g Dynamics	3
	KINE 2960 Growth, Dev., & Motor Act.	4	KINE 3520 Applied Exercise Physiology	3
	KINE 4540 Applied Biomechanics	3	KINE 3530 Exercise Physiology Lab	1
	KINE 4550 Applied Biomechanics Lab	1	KINE 3820 Sports Medicine for Coaches	3
	KINE 4990 Independent Study	3	KINE 4900 Human Performance Sem	3
			COMM 3840 Interpersonal Comm	4
	Total 14 hours		**Total 17 hours**	
Senior Year	KINE 4990 Independent Study	3	KINE 4910 Senior Research Project	4
	RESM 4100 Statistics	3	KINE 4990 Independent Study	3
	HEAL 4700 Nutrition Science	3	KINE Kinesiology elective	3
	HEAL Health Elective	3	Social Science Core Elective	3
	Multicultural Elective	3	Multicultural Elective	3
	Total 15 hours		**Total 13 hours**	

Bachelor of Science in Exercise Science – Exercise Physiology Degree Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	ENGL 1110 English Composition I	3	PSY 1010 Principles of Psychology	3
	CHEM 1230 General Chemistry I	4	CHEM 1240 General Chemistry II	4
	CHEM 1280 General Chemistry Lab	1	CHEM 1290 General Chemistry II Lab	1
	KINE 1700 Intro to Exercise Science	2	ENGL 2950 Science & Tech. Rpt. Wrtg.	3
	MATH 1340 Algebra/Trigonometry	4	HEAL 1500 First Aid	2
	HHS 1000 Orientation	1	Humanities/Fine Arts Elective	3
	Total 15 hours		**Total 16 hours**	
Sophomore Year	KINE 2510 Human Anatomy	3	BIOL 2170 Biology II	4
	KINE 2520 Anatomy Lab	1	BIOL 2180 Biology II Lab	1
	BIOL 2150 Biology	4	KINE 2530 Human Physiology	3
	BIOL 2160 Biology Lab	1	KINE 2540 Human Physiology Lab	1
	Social Science Core Elective	3	Multicultural Elective	3
	General Elective	3	General Elective	3
	Total 15 hours		**Total 15 hours**	
Junior Year	KINE 3520 Applied Exercise Physiology	3	KINE 4540 Applied Biomechanics	3
	KINE 3530 Exercise Physiology Lab	1	KINE 4550 Applied Biomechanics Lab	1
	PHYS 2070 Physics I	5	KINE 4850 Clin. Exer. Test/Prog.	3
	Exercise Physiology Elective	3	KINE 4860 Clin. Exer. Test/Prog. Lab	1
	General Elective	3	PHYS 2080 Physics II	5
			Multicultural Elective	3
	Total 15 hours		**Total 16 hours**	
Senior Year	RESM 4100 Statistics	3	KINE 4910 Senior Research Project	4
	HEAL 4700 Nutrition	3	COMM 3840 Interpersonal Comm.	4
	KINE 4560 Lab Tech in Ex Phys	3	Exercise Physiology Electives	6
	KINE 4870 Exercise Biology	3	General Electives	3
	KINE 4990 Independent Study	3		
	Exercise Physiology Elective	3	**Total 17 hours**	
	Total 18 hours			

Exercise Physiology Concentration Electives include: CHEM 2410 Organic Chemistry I, CHEM 2460 Organic Chemistry I 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
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester		Summer Semester
Freshman Year	HHS 1000 Orientation	1	HEAL 1500 First Aid	2	
	ENGL 1110 English Composition I	3	CHEM 1240 General Chemistry II	4	
	KINE 1700 Intro to Exercise Science	2	CHEM 1290 General Chemistry II Lab	1	
	CHEM 1230 General Chemistry I	4	PSY 1010 Principles of Psychology	3	
	CHEM 1280 General Chemistry I Lab	1	KINE 3510 Intro to Kinesiotherapy	3	
	MATH 1340 College Algebra/Trig	4	KINE 4940 KT Internship	2	
	Total 15 hours		**Total 15 hours**		
Sophomore Year	CARD 1180 Cardiac Dysrhythmias	4	KINE 2530 Human Physiology	3	
	CARD 1190 Cardiac Dysrhythmias Lab	1	KINE 2540 Human Physiology Lab	1	
	KINE 2510 Human Anatomy	3	KINE 4570 Theory & Prac of Kines	3	
	KINE 2520 Anatomy Lab	1	KINE 4580 Kinesiotherapy Lab	1	
	KINE 2960 Growth, Devel, Motor Act	4	PSY 2200 Abnormal Psychology	3	
	ENGL 2950 Tech. Science Report Wrtg.	3	Multicultural Elective	3	
			Humanities Elective	3	
	Total 16 hours		**Total 17 hours**		
Junior Year	BIOL 2150 Fund. Life Science I	4	BIOL 2170 Fund Life Science II	4	
	BIOL 2160 Fund. Life Science I Lab	1	BIOL 2180 Fund Life Science II Lab	1	
	KINE 4540 Applied Biomechanics	3	KINE 3520 Applied Exercise Physiology	3	
	KINE 4550 Applied Biomechanics Lab	1	KINE 3530 Exercise Physiology Lab	1	
	KINE 4620 Therapeutic Kinesiology	3	KINE 4850 Clinical Exercise Program.	3	
	KINE 4640 Neuro/Path of Rehab	3	KINE 4860 Clinical Exercise Prog. Lab	1	
	KINE 4940 KT Internship	2	KINE 4940 KT Internship	3	
	Total 17 hours		**Total 16 hours**		
Senior Year	PHYS 2070 Physics – Mechanics	5	KINE 4910 Senior Research Project	4	
	HEAL 4560 Health Prob. Of Aging	3	KINE 4940 Internship	4	
	COMM 3840 Interpersonal Comm.	4	HEAL 4700 Nutrition Science	3	
	RESM 4100 Statistics	3	Social Science Elective	3	
			Multicultural Elective	3	
	Total 15 hours		**Total 17 hours**		

Bachelor of Science in Exercise Science – Pre-Physical Therapy Degree Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester		Spring Semester	
Freshman Year	BIOL 2150 Biology Life Science I	4	BIOL 2170 Biology Life Science II	4
	BIOL 2160 Biology Life Science I Lab	1	BIOL 2180 Biology Life Science II Lab	1
	MATH 1340 College Algebra/Trig.	4	PSY 1010 Principles of Psychology	3
	KINE 1700 Intro to Exercise Science	2	HHS 2980 PMD Clinical	3
	HHS 1000 Orientation	**1**	HEAL 1500 First Aid	2
	Humanities/Fine Arts Elective	**3**	ENGL 1110 English Comp I.	3
	Total 15 hours		**Total 16 hours**	
Sophomore Year	CHEM 1230 General Chemistry I	4	CHEM 1240 General Chemistry II	4
	CHEM 1280 General Chemistry I Lab	1	CHEM 1290 General Chemistry II Lab	1
	KINE 2510 Human Anatomy	3	KINE 2530 Human Physiology	3
	KINE 2520 Human Anatomy Lab	1	KINE 2540 Human Physiology Lab	1
	ENGL 2950 Sci and Tech Report Writ	3	PSY 2200, 2510 or 2700	3
	Social Science Elective	3	Multicultural Elective	3
	Total 15 hours		**Total 15 hours**	
Junior Year *	KINE 2960 Growth Devel. & Motor Lng	4	Communication (select one)	3-4
	KINE 3520 Applied Exercise Physiology	3	COMM 3840 Interpersonal Comm. (4)	
	KINE 3530 Appl. Exercise Physiol. Lab	1	COMM 1010 Comm. Prin. & Practices (3)	
	PHYS 2070 Physics I	5	PHYS 2080 Physics II	5
	HEAL 1800	3	KINE 4620 Therapuetic Kinesiology	3
			KINE 2580 Pathophysiology	3
			Pre-PT elective	3
	Total 16 hours		**Total 17-18 hours**	
Senior Year	KINE 4540 Applied Biomechanics	3	HEAL 4700 Nutrition Science	3
	KINE 4550 Applied Biomechanics Lab	1	KINE 4640 Neuro and Patho of Rehab	3
	RESM 4100 Educational Statistics	3	KINE 4910 Senior Research Project	4
	HEAL 4560 Health Problems of Aging	3	Multi Cultural Elective	3
	Pre-PT Elective	3	General Elective	3
	General Elective	3		
	Total 16 hours		**Total 16 hours**	

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

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 public and private hospitals and clinics, rehabilitation centers, VA hospitals, public schools, colleges and private industry.

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 typical master's or doctoral entry-level physical therapy program. The curriculum provides a mix of science and health related courses and clinical experiences that are intended to enhance the student's opportunities for admission into a physical therapy program. Many students who complete the program will apply for admission to the Medical University of Ohio's Doctorate in Physical Therapy program, which has long been affiliated 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 the physical therapy program at MUO.

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 and Human Services 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 with the opportunity to gain experience in this area. It 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.

Required: 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 Physiology	3
KINE	3530	Applied Exercise Physiology Lab	1
KINE	4540	Applied Biomechanics	3
KINE	4550	Applied Biomechanics Lab	1

Elective: 6 hours

KINE	1110	Introduction to Athletic Training	2
KINE	2960	Growth, Development & Motor Learning	4
KINE	3510	Introduction to Kinesiotherapy	3
KINE	3530	Applied Exercise Physiology Laboratory	1
KINE	3730	Fitness Assessment and Programming	2
KINE	4550	Applied Biomechanics Laboratory	1
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

*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.

** Students will be required to meet all of the prerequisites and corequisites for the elective courses in the minor.

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

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

MAJ 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 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 ROTC advanced course. Selected sophomores and juniors also can qualify for the advanced course by completing ROTC Leaders 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 military science course per semester. They also must complete one course from an academic department other than military science 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. 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 four-week Leadership Development Assessment Course at Fort Lewis, Wash. Students normally attend the National Advanced Leadership Camp 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 can provide all of the tuition and fees at The University of Toledo. Four-year and three-year advanced designee (A.D.) winners also receive a free 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.

General Eligibility Requirements

To enroll in the 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.)
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 for specific information.

Uniforms and Textbooks

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

Special Opportunities

Selected students participating in the 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 Army installations. 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 ROTC program at The University of Toledo. If for any reason the student does not complete the ROTC program that he or she begins, 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, depending on service duties.

    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 Leaders Training Course is conducted at Fort Knox, Kentucky.

Minor in Military Science

A minor in military science complements a variety of University majors through the development and practice of leadership skills and techniques. This minor also prepares future officers of the U.S. Army for a career while they complete the requirements of their major course of study.

Students seeking a minor in military science must successfully complete 25 hours of military science courses, with a minimum GPA of 2.5. Requirements in certain majors and curricula will require ROTC students to take more than the minimum number of hours required for graduation. When final-

izing 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 military science elective at the 3000 level or higher, and
4. Minimum GPA of 2.5 in military science classes.

Military Science Courses			Hours
Basic Course:			
MSL	**1010**	**Foundations of Officership** (fall)	2
MSL	**1020**	**Basic Leadership** (spring)	2
MSL	1030	Introduction to Physical Fitness	1
MSL	1040	Physical Fitness	1
MSL	**2010**	**Individual Leadership Studies** (fall)	3
MSL	**2020**	**Leadership and Teamwork** (spring)	3
MSL	2030	Physical Training I	1
MSL	2040	Physical Training II	1
MSL	**2200**	**Leaders Training Course** (summer)	3
Advanced Course:			
MSL	**3010**	**Leadership and Problem Solving** (fall)	3
MSL	**3020**	**Leadership and Ethics** (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**	**Leaders Development and Assessment Course** (summer)	3
MSL	**4010**	**Leadership and Staff Management** (fall)	3
MSL	**4020**	**Officership** (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 at 419.530.2681 or visit the Web site at *www.armyrotc.utoledo.edu*.

Air Force ROTC

(Offered in cooperation with Bowling Green State University Department of Aerospace Studies)

Col. William Wessleman, chair

The objective of the Air Force Reserve Officers' Training Corps (AFROTC) program is to provide a college-level education and qualify students for commissioning as second lieutenants in the U.S. Air Force.

Admission

Offered in cooperation with Bowling Green State University, the AFROTC program consists of a General Military course offered to freshmen and sophomores and a Professional Officer course offered to selected juniors and seniors. 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 Public 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 voluntary 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:

Natural Science Courses (29 hours)			Hours
(Six hours used to satisfy University core)			
BIOL	2150	Fundamentals of Life Sciences I	4
BIOL	2160	Fundamentals of Life Sciences Lab I	1
CHEM	1210	Chemistry for Life Sciences	3
CHEM	1220	Chemistry for Life Sciences II	3
KINE	2590	Microbiology & Infectious Diseases	4
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 Physiology	3
KINE	3530	Applied Exercise Physiology Lab	1
KINE	3730	Fitness Assessment and Programming	2

Social Sciences (12 hours)			Hours
Choose four courses from the following:			
ANTH	4760	Medical Anthropology	3
PSC	2300	Principles of State & Local Government	3
PSC	4350	Health Care Delivery Systems	3
PSY	2200	Abnormal Psychology	3
PSY	2700	Social Psychology	3
SOC	1750	Social Problems (may satisfy core soc. sci.)	3
SOC	4100	Community Organizing & Development	3
SOC	4160	Health & Gender	3
SOC	4180	Medical Sociology	3
SOC	4660	Racial & Ethnic Minorities	3
SOC	4730	Social Psychiatry	3

Skill for Community Health (9-10 hours)			Hours
Choose three courses from the following:			
COMM	2000	Mass Communication and Society	3
COMM	2600	Public Presentations	3
COMM	3820	Persuasion Theory	4
EDP	4330	Behavior Management	3
HEAL	1800	Medical Terminology	3
TSOC	4100	Group Processes in Education	3

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.)

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 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		Spring Semester	
Freshman Year	HEAL 2000 Foundations for Health Ed	3	CHEM 1120Chemistry for Health Sciences	4
	ENGL 1110 College Composition I	3	ENGL 1130 or higher College Comp II	3
	MATH 1180 Mathematics for Liberal Arts	3	BIOL 2150 Fund. Of Life Sciences	4
	HEAL 1500 First Aid	2	BIOL 2160 Fund. Of Life Sciences Lab	1
	HHS 1000 College Orientation	1	SOC 1750 Social Problems	3
	Humanities/Fine Arts Elective	3		
	Total 15 hours		**Total 15 hours**	
Sophomore Year	KINE 2510 Human Anatomy	3	KINE 2530 Human Physiology	3
	KINE 2520 Human Anatomy Lab	1	KINE 2540 Human Physiology Lab	1
	HEAL Health Elective	3	HEAL 2400 General Safety	3
	HEAL 2700 Community Health	3	HEAL 2940 Practicum In Comm Hlth	1
	Skills/Comm Health Elective	3	Multicultural Elective	3
	Humanities/Fine Arts Elective	3	HHS 2590 Micro and Infectious Diseases	3
	Total 16 hours		**Total 14 hours**	
Junior Year	HEAL 3500 Environmental Health	3	HEAL 3600 Prev/Control of Disease	3
	KINE 3520 Appl'd Exercise Physiology	3	HEAL 4100 Health Behavior	3
	KINE 3530 Appl'd Exercise Phys. Lab	1	HEAL 4800 Public Health Research/Stats	3
	Social Science Core Elective	3	KINE 3730 Fitness Assessment/Program	2
	Skills/Comm Health Elective	4	Skills/Comm Health Elective	3
	Elective	3	Social Science Support Elective	3
	Total 17 hours		**Total 17 hours**	
Senior Year	HEAL 4200 Methods/Materials in C.H.	3	HEAL 4940 Senior Field Experience	9
	HEAL 4700 Nutrition Science	3	Social Science support Elective	3
	HEAL Health Elective	3	Multicultural Elective	3
	Social Science Support Elective	3		
	Elective	3		
	Total 15 hours		**Total 15 hours**	

Bachelor of Science in Health Care Administration – Degree Requirements
(4-year program)
Students should follow and complete the degree requirements as displayed

	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 Hours 16**	ENGL 2960 Organizational Rep. Writing 3 ECON 1120 Prin. of Macroeconomics 3 MATH 1270 Mod. Bus Mathematics II 3 PSY 1010 Prin. of Psychology 3 HEAL 1800 Medical Terminology 3 **Total Hours 15**
Sophomore Year	**Fall Semester** BUAD 2040 Fin. Accounting Info. 3 PSY 2200 Abnormal Psychology 3 KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Phys. I Lab 1 Multicultural Elective 3 Program Elective 3 **Total Hours 16**	**Spring Semester** BUAD 2050 Acct. for Bus. Dec. Making 3 PSY 2200 Abnormal Psychology 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Phys. II Lab 1 Elective 3 Program Elective 3 **Total Hours 16**
Junior Year	**Fall Semester** BUAD 3030 Mang. & Behavioral Proc. 3 BUAD 2060 Data Analysis for Bus. or MATH 2630 Stats. For Bus. & Econ 3 Natural Science Elective 3 Elective 3 Humanities/Fine Arts Elective 3 **Total Hours 15**	**Spring Semester** BUAD 3010 Principles of Marketing 3 PHIL 3370 Medical Ethics 3 HURM 3220 Human Resource Mgmt. 3 Multicultural Elective 3 Program Elective 3 **Total Hours 15**
Senior Year	**Fall Semester** HCAR 4510 Medical & Legal Aspects of HC 3 HCAR 4530 Prob. Solving in HC Environ. 4 HURM Conflict Resolution & Negotiation 3 Program Elective 3 Elective 3 **Total Hours 16**	**Spring Semester** HCAR 4360 Quality Improvement in HC 3 HCAR 4500 Health Care Informatics 3 HCAR 4550 Health Care Finance 3 Program Elective 3 Elective 3 **Total Hours 15**

Bachelor of Science in Health Care Administration – Degree Requirements
(2+2-year program)
Students should follow and complete the degree requirements as displayed

	Fall _____	Spring _____
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	Fall _____ 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	Spring _____ HCAR 4550 Health Care Finance 3 HCAR 4540 Internship in Health Mid Mgmt 3 PHIL 3370 Medical Ethics 3 Electives 3-6 Total hours 15

*For students pursuing the Minor in Business Administration

Recreation and Leisure Studies

The recreation and leisure studies program is designed to meet the needs of a rapidly growing leisure-oriented society. There is an increasing demand for direct leadership, supervisory, executive and managerial talent in all areas of recreation management.

Students who earn a bachelor of science in recreation and leisure studies receive a degree accredited by the National Recreation and Park Association (NRPA) Council on Accreditation, and they are eligible to apply for the Certified Park and Recreation Professional (CPRP) examination.

In addition, students have the option of participating in the YMCA Professional Studies Program. This program will provide graduates of Recreation and Leisure Studies with the major components to receive a 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 program of study chart.

Students who want to major in recreation and leisure studies (RLS) 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 they are in conditional status.

Selective Admission Requirements

After completion of all pre-recreation and leisure studies curriculum courses and the completion of 30 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 to the upper division of the RLS major include:

1. Completion of 48 credit hours taken from the University Core Curriculum; RLS support curriculum; and pre-recreation and leisure studies curriculum. Note: 18 of these 48 credit hours must come from the pre-recreation and leisure studies curriculum.
2. Completion of all courses in the pre-recreation and leisure curriculum, with no less than a C in any course.
3. Completion of the recreation and leisure studies application.

Once students are 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 a 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. A minimum cumulative GPA of 2.5 for all course work completed; and
3. Approval to complete the senior internship.

Graduation Requirements

To be eligible to graduate with an RLS major, a student must:

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

Recreational Therapy

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). The program is designed to give the student a basic foundation in the three major areas of therapeutic recreation service delivery – functional intervention, leisure education and special recreation.

Selective Admission Requirements

The following are the requirements for admission to the recreational therapy program:

1. Acceptance into the junior-year recreational therapy courses requires completion of RCRT 1300, 1310, 2300 and 3310; PSY 2200 and 2510; and HEAL 1800 with a C or higher in each course; and
2. Acceptance into the senior-year therapy courses requires: (a) completion of RCRT 4720, 4730, 4740, 4750 and 4790 with a C or higher in each course; (b) 77 semester hours with a minimum GPA of 2.8; (c) 100 experience hours (50 hours will be completed during pre-professional course work); (d) if necessary, three letters of recommendation; and (e) completion of the recreational therapy professional sequence application.

Graduation Requirements

To be eligible to graduate, recreational therapy students must:

1. Complete the degree requirements as displayed in the recreational therapy program of study chart; and
2. Complete all RCRT courses with a C or higher in each course.

Bachelor of Science in Recreational Therapy Degree Requirements

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

Students should choose one of the following tracks: psychology, pediatrics, therapeutic arts, pre-occupational therapy, geriatrics, communication or general.

Psychology Minor (12 hours)

Students must apply to the College of Arts and Sciences for the minor.

Select four courses from the following:

PSY	3200	Personality and Individual Differences	3
PSY	3210	Clinical Psychology	3
PSY	3220	Psychopathology of Childhood	3
PSY	3500	Adolescence	3
PSY	3510	The Adult Years	3
PSY	3700	Small Group Behavior	3

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, or 1030 Elective 1-2 PSY 1010 Principles of Psychology 3 SOC 1750 Social Problems 3 ENGL 1110 College Composition I 3 HHS 1000 College Orientation 1 Total 14-15 hours	RCRT 1310 Recreation Programming 3 RCA 1010, 1020, or 1030 Elective 1-2 Natural Science Elective 3 ENGL 2960 Organizational Report Writing 3 MATH 1180 Mathematics for Liberal Arts 3 **Total 13-14 hours**	
Sophomore Year	RCRT 2300 Leadership & Group 3 RCRT 3710 Adventure Prog. in Rec. & RT 3 RCA 1010, 1020, or 1030 Elective 1-2 HEAL 1500 First Aid 3 Natural Science Elective 3 Natural Science Elective Lab 1 **Total 13-14 hours**	RCRT 3310 Rec. & Adapt. for Special Pops. 3 RCA 1010, 1020, or 1030 Elective 1-2 PSY 2510 Lifespan Developmental Psy 3 HEAL 2500 Personal Health 3 Humanities Elective 3 **Total 13-14 hours**	RCRT 3940 Rec. Application Experience 3 **Total 3 hours**
Junior Year	RCRT 4340 Leisure, Recreation, & Aging 3 RCA 1010, 1020, or 1030 Elective 1-2 COMM 2600 Public Presentations 3 Multicultural (Diversity in U.S.) Elective 3 RLS Support Elective 3 **Total 13-14 hours**	RCRT 4330 Admin in Rec & RT 3 BUAD 3030 Mngt. & Behavioral Processes 3 COMM 3840 Interpersonal Communication 4 RLS Support Elective 3 RCRT 4530 Rec Policy & Leadership 3 Note: RCRT 4530 may be taken in spring or summer semester based on availability . **Total 16 hours**	
Senior Year	RCRT 4430 Interpretive Services 3 RCRT 4450 Research App Rec & RT 3 GELP 3710 Urban Environments 3 RLS Support Electives 3 Total 12 hours	RCRT 4440 Park & Rec Planning 3 RCRT 4520 Urban Pk. & Open Space Adm. 3 RCRT 4850 Internship Preparation: RLS 1 RLS Support Electives 4 Multicultural (Non-Western) Elective 3 **Total 14 hours**	RCRT4770 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 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 ENG 1110 College Comp I 3 MATH 1180 Math for Lib Arts 3 HHS 1000 College Orientation 1 **Total 16 hours**	RCRT 1310 Rec. Programming 3 PSY 2510 Lifespans Dev. Psy. 3 Natural Science Core Elective 3 ENG 2960 Organizational Report Writing 3 Humanities/Fine Arts Elective 3 **Total 15 hours**	
Sophomore Year	RCRT 2300 Rec Leadership & Grp Dyn 3 KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Physiology I Lab 1 PSY 2200 Abnormal Psychology 3 PSY 2400 Cognitive Psychology 3 Multicultural Elective 3 **Total 16 hours**	RCRT 3310 Rec. & Adapt Spec Pops 3 KINE 2570 Anatomy & Physiology II 3 KINE 2470 Anatomy & Physiology II Lab 1 HEAL 1800 Medical Terminology 3 Multicultural Elective 3 **Total 13 hours**	
Junior Year	RCRT 4720 Introduction to TR 3 RCRT 4730 Med/Clinical Aspects TR 3 AED 3300 Crafts in Art 3 Select 2 or 3 from RCRT 4600, 4610 4630, 4660 or 4670 2-3 Track Elective **Total 14-15 hours**	RCRT 4740 Assess & Doc in TR 3 RCRT 4750 Group Dynamics in RT 3 RCRT 4790 Med/Clinical Aspects TR II 3 RCRT 4340 Rec/Leisure & Aging 3 Select 2 or 3 from RCRT 4600, 4610 4630, 4660 or 4670 2-3 **Total 14-15 hours**	RCRT 4840 RT Clinical: Pediatric 1 RCRT 4820 RT Clinical: MRDD 1 **Total 2 hour**
Senior Year	RCRT 4450 Research App in Rec/RT 3 RCRT 3710 Adventure Prog in Rec/RT 3 RCRT 4800-4830 RT Clinicals 2 Track Course/General Elective 3 Select 2 or 3 from RCRT 4620, 4640 4860, 4680 or 4690 2-3 **Total 13-14 hours**	RCRT 4330 Admin in Rec & RT 3 RCRT 4800-4830 RT Clinicals 2 RCRT 4870 Program Planning 3 Select 2 or 3 from RCRT 4620, 4640 4860, 4680 or 4690 2-3 RCRT 4850 Internship Prep in RT 1 RCRT 4440 Park and Rec Planning 3 **Total 14-15 hours**	**Summer 1** RCRT 4940 RT Internship 4 RCRT 4770 RT Project Design 2 **Summer 2** RCRT 4940 RT Internship 4 RCRT 4780 RT Project Evaluation 2 **Total 12 hours**

Junior Interventions: RCRT 4600 Therapeutic Arts; 4610 Horticulture Therapy; 4630 Therapeutic Activities; 4660 Relaxation and Stress Management; 4670 Leisure Education
Junior Clinicals: RCRT 4840 Pediatric; RCRT 4820 MRDD;
Senior Interventions: RCRT 4620 Animal Assisted Therapy; 4640 Therapeutic Groups; 4860 Therapeutic Fitness; 4680 Assistive Technology; 4690 Aquatic Therapy
Senior Clinicals: RCRT 4800 Physical Rehabilitation; 4810 Psychiatric Rehabilitation; 4830 Geriatric

Program Total: 127-130

Choose one or more tracks 6 hours each
Psych Minor requires 12 hours

Bachelor of Science in Speech-Language Pathology – Degree Requirements
Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
Freshman Year	SLP 2400 Intro to Communication Disorders 3 MATH 1320 College Algebra 3 SOC 1010 Intro to Sociology 3 ENGL 1110 College Composition I 3 HHS 1000 College Orientation 1 Humanities/Fine Arts Elective 3 **Total 16 hours**	KINE 2560 Anatomy & Physiology I 3 KINE 2460 Anatomy & Physiology I Lab 1 PSY 1010 Principles of Psychology 3 ENGL 2960 or Composition II 3 HEAL 1800,2500,4560,COUN 2220 or 4080 3 General Elective 3 **Total 16 hours**
Sophomore Year	SLP 3010 Clinical Phonetics 4 SLP 3020 Anat. & Phy of Comm Mechanism 4 SLP 3030 Normal Lang. Acquisition 3 HEAL 1500 First Aid 2 General Elective 3 **Total 16 hours**	SLP 3140 Analyzing Language 4 SLP 3150 Speech Science 3 SLP 3170 Hearing Science 2 Humanities/Fine Arts Elective 3 General Elective 3 **Total 15 hours**
Junior Year	SLP 3200 Articulation/Phono Disorders 4 SLP 3400 Audiology 3 General Electives 6 Multicultural Elective 3 **Total 16 hours**	SLP3300 Language Disorders 4 SLP 3800 Methods for Clinical Intervention 3 HEAL 1800,2500,4560,COUN 2220 or 4080 3 Multicultural Elective 3 General Elective 3 **Total 16 hours**
Senior Year	SLP 4000 Beginning Clinical Practicum 2 SPED 2040,or 4110, or 4120 3 General Electives 10 **Total 15 hours**	SLP 4300 Adv. Clinical Prac. I 2 SLP 4350 Concomitant Disorders 3 General Electives 9 **Total 14 hours**

Pediatrics (6 hours)

PSY	3220	Psychopathology of Childhood	3

Select one course from the following:

AED	4140	Art Education for the Special Child	3
AED	4240	Adaptive Methods in Therapeutic Art for Children	3
SLP	2400	Communication Disorders	3
SLP	3030	Normal Language	3

Therapeutic Arts (6 hours)

AED	4560	Introduction to Therapeutic Art	3

Select one course from the following:

AED	4140	Art Education for the Special Child	3
AED	4240	Adaptive Methods in Therapeutic Art for Children	3
AED	4280	Therapeutic Art for Adult Populations	3
AED	4300	Media & Methods in Therapeutic Art	3

Geriatric (6 hours)

HEAL	3800	Death & Dying
HEAL	4560	Health Problems of Aging

Communication (6 hours)

Select two courses from the following:

SLP	2400	Communication Disorders	3
SLP	3010	Clinical Phonetics	3
SLP	3020	Anatomy & Physiology of Speech and Hearing Mechanism	3
SLP	3030	Normal Language Acquisition	3
SPED	3670	American Sign Language I	3
SPED	3680	American Sign Language II	3

General (6 hours)

Select two courses from any track area or other courses approved by adviser.

MUO Pre-Occupational Therapy (6 hours)

AED	4560	Introduction to Therapeutic Art	3

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

MUO Occupational Therapy Program Selection Application Criteria

To apply for admission to the MUO 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. 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 percent across the three areas – verbal, quantitative and writing.

The occupational therapy program is selective and completion of the above criteria does not guarantee admission into the program. A student completing the above requirements prior to or during the fall semester of his/her junior year can apply to the early entry program. All students not accepted into the early entry program should apply prior to the start of or during the fall semester of their senior year.

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.

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 and Human Services. 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:

- 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.

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 in the Social Work program of study chart.

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.

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

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

* **Law Electives**
LGL 2210 Practice & Procedures in Administrative Law
LGL 2130 Family Law (Prereq: LGL:1010 and LGL:1160; or Academic Advisor Approval)
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:1010, 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 I	3	ENGL 1130 or higher College Comp II	3
	LGL 1010 Introduction to Law	3	LGL 1160 Legal Research	3
	LGL 1720 Law Practice Mgmt	3	LGL 1150 Tort Law	3
	MATH 1320 College Algebra	3	CMPT 1100 Computer Info. Applications **or**	
	LGL 2120 Real Estate Transactions	3	BUAD 1020 Micro-Computer Appl	3
			Social Science Elective	3
	Total 15 hours		**Total 15 hours**	
Sophomore Year	LGL 2020 Civil Procedure	3	LGL 2110 Estate & Probate Admin.	3
	LGL 2130 Family Law	3	LGL 2210 Prac. & Prod. Of Admin Law	3
	LGL 2700 Advocacy: Mock Trial	3	PHIL 1020 Critical Thinking	3
	BUAD 2040 Financial Acct. Information	3	Humanities Elective	3
	Social Science Elective	3	Elective	3
	Total 15 hours		**Total 15 hours**	
Junior Year	LGL 3030 Adv. Legal Res/Wrtg	3	LGL 3010 Law of Business Associations	3
	LGL 3050 Bankruptcy Pract & Cons Appl	3	LGL 3330 Litigation	3
	PHIL elective at 3000/4000 level	3	LGL 4130 Clinical Experience	3
	Legal Specialty Option	3	Legal Specialty Option	3
	Natural Science Elective	3	Multicultural Elective	3
	Natural Science Elective Lab	1	Natural Science Elective	3
	Total 16 hours		**Total 18 hours**	
Senior Year	LGL 4030 Contract Law	3	LGL 4940 Advanced Paralegal Internship	3
	LGL 3350 Alternative Dispute Resolution	3	Legal Specialty Option	3
	PHIL elective at 3000/4000 level	3	Multicultural Elective	3
	Legal Specialty Option	3	Elective	3
	Elective	3	Elective	3
	Total 15 hours		**Total 15 hours**	

Post Baccalaureate Certificate in Legal Assisting 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	3	LGL 1150 Tort Law	3
	LGL 1720 Law Practice Management	3	LGL 1160 Legal Research, Wrtg & Case	3
	LGL 2020 Civil Procedure	3	LGL 2110 Estate & Probate Admin.	3
	LGL 2120 Real Estate Transactions	3	LGL 2940 Paralegal Internship **	3
	LGL xxxx Law Elective *	3	LGL xxxx Law Elective *	3
	Total 15 hours		**Total 15 hours**	

* Law Electives (choose two from list below)

LGL 2210 Practice & Procedures in Administrative Law
LGL 2130 Family Law (Prereq: LGL:1010 and LGL:1160; or Academic Advisor Approval)
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:1010, 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)

** Although the Paralegal Internship may be taken by post-baccalaureate certificate students during their second semester, it is strongly suggested that it be taken alone, in the student's third semester.

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	3	LGL 1150 Tort Law	3	LGL 2940 Paralegal Internship	3
	LGL 1720 Law Practice Management	3	LGL 1160 Legal Research, Wrtg. Case	3		
	LGL 2020 Civil Procedure	3	LGL 2210 Administrative Law	3		
	Total 9 hours		**Total 9 hours**		**Total 3 hours**	

College of Health and Human Services 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

Jane Cox, 2004, associate professor
B.A., Grove City College; M.B.A., The University of Akron; M.Ed, Ph.D., Kent State University

Paula Dupuy, 1989, professor and chair
B.S., Bowling Green State University; M.Ed., Xavier University; Ed.D., University of Cincinnati

Sharla Fasko, 2002, assistant professor
B.M.E., Henderson State University; M.Ed., Southern Arkansas University; Ph.D., University of Cincinnati

John Laux, 2001, assistant 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
B.A., M.Ed., Ed.D., University of Virginia

Kathleen Salyers, 2001, assistant 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
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