

# 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 athletic training, cardiovascular and respiratory care. Programs with specialized accreditation or approval include counseling – Council for the Accreditation of Counseling and Related Educational Programs; kinesiotherapy – American Kinesiotherapy Association; nursing – National League for Nursing and Ohio Board of Nursing; paralegal studies – American Bar Association; Physical Therapy – American Physical Therapy Association; Recreation – National Recreation and Parks Association; social work – Council on Social Work Education; and speech-language pathology – American Speech-Language-Hearing Association.

## Degrees Offered

The college offers certificate programs, associate's degrees, bachelor's and post-bachelor's degrees. Minors in military science and criminal justice are also offered.

## Admission Policies

*Refer to the General Section of this catalog for information on admission requirements for first-year (new) students.*

## 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
- Emergency Medical Services
- Mental Health
- Physical Therapy
- Recreational Therapy
- Respiratory Care
- Social Work

## Requirements for Students with an Associate's Degree

Students holding an associate's degree from an accredited college are 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 2000-4000 level; of these a minimum of 32 hours must be taken at the 3000-4000 level. Coursework 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 grade point average (GPA), grades from another institution do not transfer, but will be used to calculate any honor 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 (cumulative GPA equal to or greater than a 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 their transfer and have their 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 college 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,

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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 listing 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. Our mission is to provide quality, timely and comprehensive student services that will enhance student success in achieving academic goals. We understand that the ultimate responsibility for making personal and educational decisions rests with the student. However, with relationship building, our advisers 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. Degree requirements, career opportunities and interpretations of college and university policies and procedures are among the essential services provided by advisers.

### Student Responsibility

Students are responsible for the following:

- Advising is required for all first-year students and strongly recommended at least once per 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 adviser 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 63 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 2000-4000 level; of these a minimum of 32 hours must be taken at the 3000-4000 level.

### Grade Deletion

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

who receive financial aid risk the loss of financial aid if they accumulate excessive hours of W and IW.

### Academic Probation and Suspension

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

Academic suspension means that 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 that person falls below the minimum GPA listed in the General Section of the catalog or fails to make sufficient progress toward attainment of the degree by accumulating excessive W or IW grades. Students may remove Incompletes while under suspension. However, no course work taken at any other educational institution during the student's suspension shall be accepted as transfer credit. 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 that the student believes 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's 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 than 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 their program of study in residence within the college. A part-time student must complete the last 12 credit hours and 25 percent of their program of study within the college.

## Programs of Study

### Department of Counseling and Mental Health Services

*Nick Piazza, chair*

#### Degree Programs

##### Mental Health Program – Associate of Applied Science

*Kathleen Salyers, director*

The associate's degree program in mental health is designed to prepare individuals to participate in therapeutic programs working as paraprofessionals in the prevention of mental illness and the treatment and rehabilitation of the mentally ill. The mental health technician works directly under the supervision of senior staff members such as psychiatrists, psychologists, licensed professional clinical counselors and licensed independent social workers.

The graduate develops knowledge in theory and function of personality, family systems, culture and value systems, human growth and development, normal and abnormal behavior, the meaning of mental health and mental illness, treatment techniques and community resources and agencies.

#### Degree Requirements

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

##### Mental Health Program – Bachelor of Arts

*John Lewton, director*

The bachelor's degree in mental health will provide students with the education they need to meet the increasing employer demand for highly qualified paraprofessionals in mental health. A baccalaureate in mental health will allow graduates to receive educational experiences in case management, report writing, employee assistance and consultation and supervision skills. In addition, they will receive specialized training in intervention strategies and techniques for dealing with crisis management, mental retardation, dual diagnosis and substance abuse.

The bachelor's in mental health program is designed to meet the educational requirements for Certified Chemical Dependency Counselor (CCDC). This credential is in demand by hospitals, community agencies and other substance abuse treatment facilities.

The curriculum of the baccalaureate is built on a 2 + 2 model, which incorporates lower-division associate degree mental health courses coupled with upper division courses. Further, the curriculum utilizes courses from across the University to give students a broad interdisciplinary program of study.

#### Degree Requirements

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

## Department of Criminal Justice

*Daniel E. Hall, chair*

#### Degree Programs

Criminal Justice – Bachelor of Science

Correctional Technology – Associate of Applied Science

Law Enforcement Technology – Associate of Applied Science

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 Degree in Criminal Justice

The bachelor of science 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, both 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 is committed not only to teaching about criminal justice systems, but also to challenging students to explore the concept of justice and to begin developing their own ethical paradigms. Accordingly, coursework in ethics is required, and faculty members 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	27-30
Criminal justice required courses	43
Criminal justice elective courses	12
Computer science/applications courses	6
*Supporting course electives	15
General electives	15
Minimum total hours	124
Minimum hours at 2000 – 4000 level	64
Minimum hours at 3000/4000 level	32
<b>Minimum graduation GPA</b>	<b>2.0</b>
<b>*Supporting course electives</b>	<b>15 hours</b>
<b>Choose 5 of the following:</b>	
CMPT 1100 Computer Applications .....	3
ECON 3080 Economics of Crime .....	3
HEAL 3800 Death & Dying .....	3
PHIL 3760 Philosophy of Crime & Punishment .....	3
PSC 3420 Principles of Public Administration .....	3
PSC 3500 Principles of Law .....	3
PSC 3510 Constitutional Law .....	3
PSC 3520 Constitutional Law II .....	3

**Associate of Applied Science in Mental Health — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 PSY 1010 Principles of Psychology 3 CMHS 1110 Fund. Of Human Mental Health 4 MATH 1180 Math for Liberal Arts 3 SOST 1130 Community Resources 3	ENGL 1130 or higher College Composition II 3 CMHS 1210 Mental Health Skills 4 CMHS 1220 Theories in Mental Health 3 CMHS 1230 Pathology in Mental Health 3 SOC 2150 The Changing Family 3
	<b>Total 16 hours</b>	<b>Total 16 hours</b>
<b>Sophomore Year</b>	CMHS 2110 Ment. Health Fall Practicum 4 CMHS 2120 Group/Therapeutic App. 4 CMHS 2130 Assess./Interven. In M.H. 4 CMPT 1100 Computer Info. Application 3	CMHS 1240 Substance Ab. Issues in MH 3 CMHS 2210 Mental Health Spr Practicum 4 CMHS 2220 Family Theories & Cultural Aspects in Mental Health 3 Humanities Elective 3 Multicultural Elective 3
	<b>Total 15 hours</b>	<b>Total 16 hours</b>

**Bachelor of Arts in Mental Health — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 PSY 1010 Principles of Psychology 3 CMHS 1110 Fund. Of Human Mental Health 4 MATH 1180 Math for Liberal Arts 3 SOST 1130 Community Resources 3	ENGL 1130 or higher College Composition II 3 CMHS 1210 Mental Health Skills 4 CMHS 1220 Theories in Mental Health 3 CMHS 1230 Pathology in Mental Health 3 SOC 2150 The Changing Family 3
	<b>Total 16 hours</b>	<b>Total 16 hours</b>
<b>Sophomore Year</b>	CMHS 2110 Ment. Health Fall Practicum 4 CMHS 2120 Group/Therapeutic App. 4 CMHS 2130 Assess./Interven. In M.H. 4 CMPT 1100 Computer Info. Application 3	CMHS 1240 Substance Ab. Issues in MH 3 CMHS 2210 Mental Health Spr Practicum 4 CMHS 2220 Family Theories & Cultural Aspects in Mental Health 3 Humanities Elective 3 Multicultural Elective 3
	<b>Total 15 hours</b>	<b>Total 16 hours</b>
<b>Junior Year</b>	KINE 2560 Anatomy & Physiology 3 PHIL 2400 Contemporary Problems 3 CMHS 3110 Case Management and MH 3 CMHS 3120 Mental Retardation and MH Elective 3	PSY 2600 Psychobiology 3 MATH 2600 Intro to Statistics 3 CMHS 3130 Advanced Interventions: Crisis and EAP 3 Social Science Elective 3 Elective 3
	<b>Total 15 hours</b>	<b>Total 15 hours</b>
<b>Senior Year</b>	EDP 4330 Behavioral Management 3 CMHS 4110 Consultation and Supervision In Mental Health 3 Natural Science Elective 3 Optional Support 6	CMHS 3140 Mental Health Charting and Report Writing 3 Multicultural Elective 3 Optional Support 6 Elective in Recreation & RT 4
	<b>Total 15 hours</b>	<b>Total 16 hours</b>

**Bachelor of Science in Criminal Justice — Degree Program Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	CRIM 1010 Criminal Justice 4 CRIM 1040 Human Relations 3 ENGL 1110 College Comp. I 3 PSY 1010 Principles of Psychology 3 Computer Science Course 3 <b>Total 16 hours</b>	CRIM 1110 Penology 3 CRIM 1240 Policing 3 PSC 1200 American National Govern. 3 SOC 1010 Intro to Sociology 3 MATH 1180 Math for Liberal Arts 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	CRIM 2010 Court Case Processing 3 CRIM 2200 Criminal Law 3 CRIM 2230 Constitutional Law 3 ENGL 2960 or 1170 or 1120 3 PHIL 1010 or 1020 3 <b>Total 15 hours</b>	CRIM 2150 Appl Psy & Criminology — Criminal Justice 3 CRIM 2250 Juvenile Justice 3 COMM 1010 or 2000 or 3840 3 Natural Science 3 Elective 3 <b>Total 15 hours</b>
<b>Junior Year</b>	CRIM Electives Supporting Course 6 Natural Science 3 Multicultural Course 3 Elective 3 <b>Total 18 hours</b>	CRIM 4100 Criminal Justice Research Methods 3 CRIM Elective 3 Supporting Courses 6 Elective 3 <b>Total 15 hours</b>
<b>Senior Year</b>	CRIM 4200 Ethics in Criminal Justice 3 CRIM 4590 Adm. of Criminal Justice 3 Supporting Course 3 Computer Science Course 3 Elective 3 <b>Total 15 hours</b>	CRIM 4300 Theories of Crim. Justice 3 CRIM Elective 3 Supporting Course 3 Elective 3 Multicultural Course 3 <b>Total 15 hours</b>

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.

**Associate of Applied Science in Corrections — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	CRIM 1010 Criminal Justice 4 CRIM 1040 Human Relations 3 ENGL 1110 College Composition 3 PSY 1010 Principles of Psychology 3 Computer Science Course 3 <b>Total 16 hours</b>	CRIM 1110 Penology 3 CRIM 1240 Policing 3 CRIM 2050 Community-Based Corrections 3 SOC 1010 Intro to Sociology 3 MATH 1180 Math for Liberal Arts 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	CRIM 2010 Court Case Processing 3 CRIM 2200 Criminal Law 3 CRIM 2230 Constitutional Law 3 ENGL 2960 or 1170 or 1120 3 PHIL 1010 or 1020 3 Natural Science 3 <b>Total 18 hours</b>	CRIM 2150 Appl Psy & Criminology- Criminal Justice 3 CRIM 2250 Juvenile Justice 3 CRIM 2950 Field Observation 3 COMM 1010 or 2000 or 3840 3 Multicultural Course 3 <b>Total 15 hours</b>

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.

**Associate of Applied Science in Law Enforcement — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	CRIM 1010 Criminal Justice 4 CRIM 1040 Human Relations 3 ENGL 1110 College Composition 3 PSY 1010 Principles of Psychology 3 Computer Science Course 3 <b>Total 16 hours</b>	CRIM 1110 Penology 3 CRIM 1240 Policing 3 CRIM 2220 Laws of Evidence 3 SOC 1010 Intro to Sociology 3 MATH 1180 Math for Liberal Arts 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	CRIM 2010 Court Case Processing 3 CRIM 2200 Criminal Law 3 CRIM 2210 Criminal Investigation I 3 CRIM 2230 Constitutional Law 3 ENGL 2960 or 1170 or 1120 3 PHIL 1010 or 1020 3 <b>Total 18 hours</b>	CRIM 2150 Appl Psy & Criminology-Criminal Justice 3 CRIM 2250 Juvenile Justice 3 COMM 1010 or 2000 or 3840 3 Natural Science 3 Multicultural Course 3 <b>Total 15 hours</b>

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.

**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
<b>Freshman Year</b>	MATH 1320 College Algebra 3 CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 2560 Anatomy & Physiology I 3 ENGL 1110 College Composition I 3 HIM 1110 Medical Terminology or HEAL 1800 Medical Terminology 3 <b>Total 17 hours</b>	CARD 1280 12-lead Interpretation 4 CARD 1290 12 lead Interpretation Lab 1 KINE 2570 Anatomy & Physiology II 3 RCBS 3300 ACLS 2 ENGL 1130 or higher College Composition II 3 <b>Total 13 hours</b>	CARD 1390 12-Lead EKG Interpretation Clinical 4 <b>Total 4 hours</b>
<b>Sophomore Year</b>	CARD 2080 Echocardiography 4 CARD 2090 Echocardi Lab/Clinical I 3 PSY 1010 Prin. Of Psychology 3 Social Science Elective 3 Humanities Elective 3 <b>Total 16 hours</b>	CARD 2180 Advanced Echocardiography 2 CARD 2190 Echocardi Lab/Clinical II 4 CARD 2380 Ultrasound Physics and Instrumentation 4 Humanities Elective 3 <b>Total 13 hours</b>	CARD 2500 Cardiovascular Clinical 3 <b>Total 3 hours</b>

**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
<b>Freshman Year</b>	MATH 1320 College Algebra 3 CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 2560 Anatomy & Physiology I 3 ENGL 1110 College Composition I 3 HIM 1110 Medical Terminology or HEAL 1800 Medical Terminology 3 <b>Total 17 hours</b>	CARD 1280 12-lead Interpretation 4 CARD 1290 12 lead Interpretation Lab 1 KINE 2570 Anatomy & Physiology II 3 RCBS 3300 ACLS 2 ENGL 1130 or higher College Composition II 3 <b>Total 13 hours</b>	CARD 1390 12-Lead EKG Interpretation Clinical 4 <b>Total 4 hours</b>
<b>Sophomore Year</b>	CARD 2400 Peripheral Vascular-Venous Disorders 4 CARD 2410 Peripheral Vascular — Laboratory/Clinical I 3 PSY 1010 Prin. Of Psychology 3 Social Science Elective 3 Humanities Elective 3 <b>Total 16 hours</b>	CARD 2380 Ultrasound Physics and Instrumentation 4 CARD 2420 Peripheral Vascular — Arterial Disorder 2 CARD 2430 Peripheral Vascular Laboratory/Clinical II 4 Humanities Elective 3 <b>Total 13 hours</b>	CARD 2500 Cardiovascular Clinical 3 <b>Total 3 hours</b>

PSC	4250	Intergovernmental Relations .....	3
PSC	4470	Public Organizational Theory .....	3
PSC	4530	Civil Rights .....	3
PSC	4560	Law & Public Administration .....	3
SOC	2150	The Changing Family .....	3
SOC	3800	Social Psychology .....	3
SOC	4170	Law & Society .....	3
SOC	4660	Racial and Ethnic Minorities .....	3
SOC	4740	Issues in Crime .....	3
SOC	4750	Legal Issues .....	3
SOCW	3050	Crisis Intervention .....	3
SOST	1070	Techniques of Interviewing .....	3
SOST	1130	Community Resources .....	3
SOST	1500	Self-Management & Interpersonal Relationships .....	3

## Minor in Criminal Justice

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

<b>Required:</b>		<b>21 hours</b>	
CRIM	1010	Criminal Justice .....	3
CRIM	1110	Penology .....	3
CRIM	1210	Constitutional Law .....	3
CRIM	1240	Policing .....	3
CRIM	1250	Juvenile Justice .....	3
CRIM		Electives at the 3000/4000 level .....	6

## Prelaw Studies

No particular degree is required for admission to law school. It is recommended, however, that students 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.

## Associate's Degrees

The department of criminal justice offers two associate's degrees. The associate of applied science in correctional technology program prepares the student to work in corrections, probation or parole settings. The associate of applied science in law enforcement technology program prepares students to work in local, state and in some cases, federal law enforcement. Graduates of both associate's degree programs may transfer into the bachelor of science in criminal justice program in a 2 + 2 format.

## Requirements for the Associate of Applied Science in Correctional Technology

*Students should follow and complete the degree requirements as displayed in the correctional technology program of study chart.*

Requirements	Hours
University core courses	21
Criminal justice required courses	34
Supporting courses	9
Minimum total hours	64
<b>Minimum graduation GPA</b>	<b>2.0</b>

## Requirements for the Associate of Applied Science in Law Enforcement Technology

*Students should follow and complete the degree requirements as displayed in the law enforcement technology program of study chart.*

Requirements	Hours
University core courses	21
Criminal justice required courses	34
Supporting courses	9
Minimum total hours	64
<b>Minimum graduation GPA</b>	<b>2.0</b>

## Department of Health Professions

*Suzanne Wambold, chair*

## Degree Programs

Cardiovascular
Emergency Medical Health Services
Health Information Management
Nursing
Associate's Degree - R.N.
Bachelor's Degree
Respiratory Care Program
Associate's Degree
Bachelor's Degree

## Certificate Programs

EKG Technician
Emergency Medical Technician – Basic
Emergency Medical Technician - Paramedic

## Cardiovascular

*Suzanne Wambold, director*

*Wilson Felix, M.D., F.A.C.C., medical director*

*Mohammad Farooq Afridi, 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, echocardiography and peripheral vascular exams. Laboratory experience and clinical experience are provided both on and 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 have the option of concentrating in echocardiography or peripheral vascular courses in their second year of study. Echocardiography technicians perform ultrasound studies on the heart, under the supervision of a physician. Peripheral vascular technicians perform noninvasive exams of the upper and lower extremities. 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. 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 (echo or peripheral) program of study chart.*

**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 Elem. Chemistry with a C or better.

### Emergency Medical Health Services

*Judith Ruple, director*

*Ken Mapes, M.D.*

The emergency medical health services program (Ohio Department of Public Safety Accreditation #01-02-004) is designed to provide graduates with advanced training in sophisticated emergency medical treatments such as recognition of life-threatening cardiac arrhythmias, administration of appropriate drug therapy and performance of advanced emergency care techniques. Students receive specialized instruction in the management of trauma patients and the pediatric patient. In addition, courses are offered that include the management of multiple casualties incidents and current issues in EMS.

The emergency medical health services degree program is designed to offer additional study for those students who have completed an accredited emergency medical technician-paramedic program.

### Selective Admissions Requirements

Acceptance into the emergency medical health services 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 emergency medical health services program with the college selective admissions committee. A written statement regarding selective admission criteria is available upon request. The student will be notified in writing of acceptance into the program.

### Associate of Applied Science in Emergency Medical Technology Degree Requirements

*Students should follow and complete the degree requirements as displayed in the emergency medical health services program of study chart.*

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

### Bachelor of Science Degree in Health Information Management

The bachelor of science degree in health information management is a curriculum that encompasses a broad range of courses focusing on both medicine/health and business management. Graduates serve in a variety of health care management roles, which include 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 healthcare settings. Health information managers 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 health information retention and retrieval for quality assurance and improvement, and for compiling, analyzing, interpreting and presenting numerical data relating to healthcare.

Practical experience is an integral part of the health information management curriculum. In the fourth semester of studies, a 90-hour guided clinical practice is provided. Students will address release of medical information, calculation, coding, and abstracting utilizing management, storage and retrieval skills. During the eighth semester of studies, a 35-hour supervised professional practice experience is provided which emphasizes management and supervision of health information departments.

Applicants to the program who have completed an associate's degree in health information technology and have successfully passed the Registered Health Information Technician (RHIT) offered by the American Health Information Management Association (AHIMA) enter the program in the third year of studies as a candidate for a bachelor's degree in a 2 + 2 format. Prospective students who select this route to the bachelor's degree must meet with the program director to determine whether all third year course prerequisites have been met.

Note: This new program recently received approval from the Ohio Board of Regents and will seek accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) in conjunction with AHIMA's Council on Accreditation. Accreditation allows graduates to sit for the certifying examination. Successful candidates are granted the recognition as a Registered Health Information Administrator (RHIA) by AHIMA.

### Requirements for the Bachelor of Science in Health Information Management

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

### Associate's Degree in Nursing — R.N.

*Celeste Baldwin, director*

*Betty Lemon, assistant director*

The associate's degree nursing program is community-based and centers around 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

## Associate of Applied Science in Emergency Medical Health Services — Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Freshman Year</b>	HHS 1000 College Orientation 1 KINE 2560 Anatomy & Physiology I 3 ENGL 1110 College Comp. I 3 MATH 1180 Math for Liberal Arts 3 Social Science Elective 3 Humanities Elective 3 <b>Total 16 hours</b>	EMHS 1040 Prehospital Emergency Life Support (EMT-B) 6 KINE 2570 Anatomy & Physiology II 3 ENGL 1130 or higher College Comp II 3 HEAL 1800 Medical Terminology 3 Social Science Elective 3 <b>Total 18 hours</b>	
<b>Sophomore Year</b>	EMHS 2030 Paramedic Emergency Med. I 6 EMHS 2040 Adv. Clinical Practicum I 2 EMHS 2050 Paramedic Skills I 3 Humanities Elective 3 <b>Total 14 hours</b>	EMHS 2160 Paramedic Emergency Med II 6 EMHS 2170 Adv. Clinical Practicum II 2 EMHS 2180 Paramedic Skills II 3 EMHS Technical Elective 3 <b>Total 14 hours</b>	EMHS 2190 Prehospital Externship 3 EMHS 2200 Paramedic Emerg. Med III 2 EMHS 2210 Paramedic Skills III 1 <b>Total 6 hours</b>

### \*Technical Elective Choices

EMHS 2060 Disaster Planning and Response  
EMHS 2070 Adv. Skills for Paramedics  
EMHS 2080 Current Trends & Practices  
In Pre Hospital Emergency Medicine

## Health Information Management Bachelor's Degree

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	HIM 1100 Medical Terminology I 3 HIM 1120 Foundations of Healthcare in the US 4 HIM 1230 ICD Coding 3 KINE 2560 Human Anatomy and Physiology I 3 ENGL 1100/1110 College Composition 3 <b>Total 16 hours</b>	HIM 1210 Medical Terminology II 3 HIM 1240 HCPCS 3 KINE 2570 Human Anatomy & Physiology II 3 MATH 1180 Mathematics for Liberal Arts 3 BUAD 1020 Microcomputer Applications 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	PHIL 1020 Critical Thinking 3 HIM 2130 Information Systems in Healthcare 3 HIM 2240 Quality Assessment & Review 3 ENGL 2950 Science & Technical Report Writing <b>or</b> ENGL 2960 Organizational Report Writing 3 BMGT 1540 Organizational Behavior 3 KINE 2580 Hum Pathophysiology for Healthcare 3 <b>Total 18 hours</b>	HIM 2250 Healthcare Data Systems 3 HIM 2940 Professional Practice I 4 MATH 2600 Introduction to Statistics 3 SOC 1010 Introduction to Sociology 3 Multicultural Elective 3 <b>Total 16 hours</b>
<b>Junior Year</b>	COMM 3810 Group Communication <b>or</b> COMM 3880 Professional Business Comm. 3 BUAD 3030 Managerial & Behavioral Process in Organizations 3 ACTG 2310 Cost Accounting in Health Care 3 HIM 3110 Advanced Information Systems in Healthcare 3 Natural Science Elective 3 <b>Total 15 hours</b>	ECON 1200 Principles of Microeconomics 3 HCAR 4360 Quality Assurance in Health Care 3 INFS 3370 Business Data Communications 3 Humanities Elective 3 General Elective (Foreign Language Recommended) 3 <b>Total 15 hours</b>
<b>Senior Year</b>	HCAR 4530 Problem Solving in Health Care Environment 4 HIM 4110 Supervisory Practices for Health Care Workers 3 Social Science Elective 3 Multicultural Elective 3 General Elective (Foreign Language Recommended) 3 <b>Total 16 hours</b>	HEAL 4800 Public Health Research & Stats. 3 HCAR 4550 Health Care Finance 3 ECON 4750 Health Economics 3 HIM 4940 Professional Practice II 4 General Elective (Foreign Language Recommended) 3 <b>Total 16 hours</b>

communication and critical thinking. The curriculum is community-based and contains courses in eight areas of 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. Due to the scholarly nature of the coursework, 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 the college selective admissions committee. A written statement regarding selective admission criteria is available upon request. The student will be notified in writing of acceptance into the program once all the admission requirements for nursing are completed.

### Associate of Applied Science in Nursing Degree Requirements

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

**Note:** The student must also successfully complete the prerequisites prior to entering the clinical phase of the program. A student may only have two failed science courses during the prerequisites in order to apply to the nursing program. All selective admission applicants must complete all health requirements, provide evidence of CPR certification and pass the Nurse Entrance Exam (NET) in the Nursing Resource Center with the minimum sub-scores.

### Nursing – B.S.

*Jeri Milstead, dean of nursing program, Medical College of Ohio*  
*Susan Batten, associate dean of nursing program, undergraduate program*  
*Patricia Hoover, coordinator of nursing advisement*

### Degrees Offered

Students completing the program earn a bachelor of science in nursing degree. Classes in the major are taught by Medical College of Ohio School of Nursing faculty. The School 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 College 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 January 1, for the following summer class. Selective admission is dependent upon:

1. A 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 prerequisite courses by the end of spring semester preceding admission to the major: CHEM 1210 and CHEM 1220 with the lab 1260; basic biology; MATH 1180, 1260 or higher; English Composition I and II; PSY 1010 and 2510; PHIL 3370; HEAL 4700; statistics; a basic computer course; anatomy, physiology and microbiology.
4. Demonstrated competence in pre-nursing subjects prior to entering the major, including math, reading comprehension, vocabulary, grammar, chemistry, anatomy and physiology. Testing is administered via computer at the Medical College of Ohio. 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 must achieve 90 percent or higher on the math exam; individuals scoring less than 90 percent will be referred for assistance in math, then retested until the required score is achieved. Cost of retesting is the student's responsibility.

### Requirements for the Undergraduate Major for the Basic Program

The major in nursing includes the following: NURS 3010, 3110, 3120, 3130, 3140, 3210, 3620, 3630, 3640, 4010, 4020, 4030, 4950 and 4960. 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 Introduction to Nursing Agency, which is taught summer only.

#### Prerequisites

PHIL	3370	Medical Ethics .....	3
PSY	2510	Lifespan Developmental Psychology .....	3
HEAL	4700	Principles of Nutrition .....	3
Statistics		(See adviser)	
Computer Course		(See adviser).....	1-3

#### Social Sciences

PSY	1010	Principles of Psychology .....	3
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#### Natural Sciences

CHEM	1220	Chemistry for Life Sciences II .....	3
CHEM	1260	Chemistry for Life Sciences Lab I .....	1
BIOL		Basic Biology or higher .....	3

*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 GPA of 3.5 overall and in the nursing major, successfully complete two departmental honors recognition courses for a total of 6 semester hours and do an independent research project culminating in a written thesis and an oral presentation of the results.

**Associate of Applied Science in Nursing — Degree Requirements**Students should follow and complete in **sequence** the degree requirements as displayed.

	<b>Offered Each Semester</b>	<b>Offered Each Semester</b>
<b>Prerequisite- sites</b>	<b>Required Prior to Entrance:</b> KINE 2560 Anatomy and Physiology I 3 PSY 1010 Intro to Psychology 3 ENGL 1110 English Comp I 3 <b>Total 9 hours</b>	<b>Required Prior to Entrance:</b> CPR Certification and Health Requirements NET test score of 50 on reading and critical thinking HS credit for Chemistry and Math or Asset Testing <b>Computer basics encouraged</b>
	<b>1<sup>st</sup> and 2<sup>nd</sup> Semester</b> CHEM 1210 Chemistry for Life Sciences I 3 KINE 2570 Anatomy & Physiology II 3 NURA 1160 Found. Comm-Based Nursing 4 NURA 1190 Nursing Systems - Adults I 5 <b>Total 15 hours</b>	<b>ENGL 1130 or higher College Comp II 3</b> KINE 2580 Human Pathophysiology 3 NURA 1290 Nursing Systems - Adults II 6 NURA 2110 Nurs. Sys. for Men. Health 4 <b>Total 16 hours</b>
<b>3<sup>rd</sup> and 4<sup>th</sup> Semester</b>	BIOL 2100 Microbiology 4 NURA 2180 Nursing Systems for Maternal Health 4 NURA 2190 Nursing Systems - Adults III 6 Humanities Elective 3 <b>Total 17 hours</b>	NURA 2280 Nursing Systems for Infants & Children 4 NURA 2290 Nursing Systems - Adults IV 6 Humanities Elective 3 Social Science Elective 3 <b>Total 16 hours</b>

**Bachelor of Science in Nursing — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer Semester</b>
<b>Freshman Year</b>	HHS 1000 College Orientation 1 ENGL 1110 College Composition I 3 CHEM 1210 Chem for Life Science I 3 PSY 1010 Principles of Psychology 3 MATH 1180 Mathematics for Liberal Arts 3 BIOL core course 3-4 <b>Total 16 - 17 hours</b>	ENGL 1130 or higher College Comp II 3 CHEM 1220 Chem for Life Science II 3 CHEM 1260 Chem. For Life Sci. I Lab 1 PSY 2510 Lifespan Develop. Psych 3 HHS 2550 Human Anatomy 3 Elective course 3 <b>Total 16 hours</b>	Humanities Elective 3 Elective 3 <b>Total 6 hours</b>
<b>Sophomore Year</b>	HHS 2570 Human Physiology 3 PHIL 3370 Medical Ethics 3 Statistics 3 Humanities Elective 3 Non-Western Diversity 3 <b>Total 15 hours</b>	HEAL 4700 Nutritional Science 3 Computer course 3 HHS 2590 Microbiology 3 Diversity of U.S. Culture 3 Social Science Elective 3 <b>Total 15 hours</b>	NURS 3010 Nursing Agency I 2 NURS 3110 Nursing Agency II 3 <b>Total 5 hours</b>
<b>Pre-Junior Year</b>	<i>*Apply to MCO*</i>		
<b>Junior Year</b>	NURS 3120 Adult Health Nursing I 6 NURS 3130 Gerontology/Rehab. Nursing 3 NURS 3140 Pathophysiology/Pharmacology 4 NURS 3210 Nursing Agency III: Nursing Interventions 2 <b>Total 15 hours</b>	NURS 3640 Parent-Child Nursing 5 NURS 4010 Community Health Nursing 5 NURS 4960 Professional Perspectives 3 <b>Total 13 hours</b>	
<b>Senior Year</b>	NURS 3620 Women s Health Nursing 5 NURS 3630 Mental Health Nursing 5 NURS 4950 Nursing Research 3 <b>Total 13 hours</b>	NURS 4020 Ldrshp/Mngmnt in Nursing 3 NURS 4030 Adult Health Nursing II 7 <b>Total 10 hours</b>	

## 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, it is believed that the R.N. may do so in an accelerated and flexible manner. The faculty believes that 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.

Criteria for seeking admission to the major are:

1. Admission to the University.
2. Completion of prerequisite courses with a minimum grade of C in each course (see #3 under Basic Program).
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 3140, 3770, 4010, 4120, 4180, 4190 and 4950.

## Respiratory Care Program

*Margaret F. Traband, director*

*Suzanne Spacek, director of clinical education*

*Robert May, M.D., medical director*

*James Tita, D.O., associate medical director*

## Degrees Offered

Associate's Degree

Bachelor's Degree

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 College of Health and Human Services offers the respiratory care curriculum in a 2 + 2 format. Students are eligible to sit for the Entry Level Examination given by the National Board for Respiratory Care upon successful completion of the associate's degree curriculum. Graduates of the baccalaureate program are prepared for the advanced practitioner examinations given by the National Board for Respiratory Care. Upon successful completion of the advanced practitioner examinations the graduate will be recognized as a Registered Respiratory Therapist.

## 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. The student will be notified in writing of acceptance into the program.

## Associate of Applied Science in Respiratory Care Degree Requirements

*Students should follow and complete the degree requirements as displayed in the associate's degree respiratory care program of study chart.*

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

## 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.*

## Respiratory Care Degree Completion Track

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 currently contained in our 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 Completion Requirements (includes Associate's Degree)

In order to complete the bachelor of science degree in respiratory care, a student must take 124 semester hours and maintain a UT GPA of at least 2.0. A minimum of 64 hours must be taken at the 2000-4000 level, with a minimum of 32 hours at the 3000-4000 level. Following are the curriculum requirements.

<b>University core curriculum</b>	<b>27-30 hours</b>
<b>Lower Division Professional Courses</b>	<b>30-35</b>
<b>Upper Division Professional Courses</b>	<b>17</b>
<b>Required Professional Courses (11 hours):</b>	
RCBS 3100 Clinical Assessment .....	3
RCBS 3300 Advanced Cardiac Life Support .....	2
RCBS 3400 Advanced Cardiopulmonary Therapeutics for the RCP .....	3
RCBS 4700 Research Analysis in Respiratory Care .....	3
<b>Area of Specialization (Select a minimum of 6 hours)</b>	
RCBS 3200 Neonatal/Pediatric Respiratory Care .....	4
RCBS 4100 Neonatal/Pediatric Clinical .....	2
RCBS 4300 Advanced Pulmonary Diagnostics & Procedures ..	4
RCBS 4500 Delivery of Care at Alternative Sites .....	4
RCBS 4600 Advanced Critical Care .....	3

**Associate of Applied Science in Respiratory Care — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Freshman Year</b>	MATH 1320 College Algebra 3 KINE 2560 Anatomy & Physiology I 3 HEAL 1800 Med. Terminology 3 RCBS 1150 Fund of Patient Assessment 3 RCBS 1160 Respiratory Physiology 3	ENGL 1110 College Composition I 3 PHIL 1020 Critical Thinking 3 KINE 2570 Anatomy & Physiology II 3 RCBS 1250 Airway Care Maintenance 3 RCBS 1260 Cardiopulmonary Therapeutics 3 RCBS 1050 Physics for Respiratory Care 3	RCBS 1350 Patient Monitoring 3 RCBS 1360 Acid Base Balance 3 Social Science Elective 3
	<b>Total 15 hours</b>	<b>Total 18 hours</b>	<b>Total 9 hours</b>
<b>Sophomore Year</b>	ENGL 1130 or higher College Comp II 3 PSY 1010 Introduction to Psychology 3 CHEM 1210 Chemistry for Life Science I 3 RCBS 2450 Advanced Therapeutics 4 RCBS 2460 Cardiopulmonary Pathophys 3	BIOL 2100 Microbiology 4 CMPT 1100 Computer Info. Applications 3 RCBS 2550 Mechanical Ventilation/Adult 3 RCBS 2560 Cardiopulmonary Diagnostics 3 Humanities Elective 3	
	<b>Total 16 hours</b>	<b>Total 16 hours</b>	

**Bachelor of Science in Respiratory Care —Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Freshman Year</b>	MATH 1320 College Algebra 3 KINE 2560 Anatomy & Physiology I 3 HEAL 1800 Med. Terminology 3 CHEM 1210 Chemistry for Life Science I 3 Humanities Elective 3	ENGL 1110 College Composition I 3 CMPT 1100 Computer Info. Applications 3 PHIL 1020 Critical Thinking 3 KINE 2570 Anatomy & Physiology II 3 CHEM 1220 Chem. For Life Science II 3 CHEM 1260 Chem for Life Science I Lab 1	
	<b>Total 15 hours</b>	<b>Total 16 hours</b>	
<b>Sophomore Year</b>	RCBS 1150 Fund. of Patient Assessment 3 RCBS 1160 Respiratory Physiology 3 ENGL 1130 or higher College Comp II 3 PSY 1010 Introduction to Psychology 3 HEAL Elective (see list) 3	BIOL 2100 Microbiology 4 RCBS 1050 Physics for Respiratory Care 3 RCBS 1250 Airway Care Maintenance 3 RCBS 1260 Cardiopulmonary Therapeutics 3 Multicultural Elective 3	RCBS 1350 Patient Monitoring 3 RCBS 1360 Acid Base Balance 3 Social Science Elective 3
	<b>Total 15 hours</b>	<b>Total 16 hours</b>	<b>Total 9 hours</b>
<b>Junior Year</b>	RCBS 2450 Advanced Therapeutics 4 RCBS 2460 Cardiopulmonary Pathophys 3 RCBS 3100 Clinical Assessment 3 HEAL 3800 Death & Dying 3 PHIL 3370 Medical Ethics 3	RCBS 2550 Mechanical Ventilation/Adult 3 RCBS 2560 Cardiopulmonary Diagnostics 3 RCBS 3200 Neonatal/Ped. Resp. Care. 4 RCBS 3300 Adv. Cardiac Life Support 2 HEAL 4800 Pub. Hlth Srch. & Stats. 3	
	<b>Total 16 hours</b>	<b>Total 15 hours</b>	
<b>Senior Year</b>	RCBS 4100 Neonatal/Ped. Clinical 2 RCBS 4300 Adv. Pulm. Diagnostics 4 RCBS 4600 Adv. Critical Care 3 RCBS 4700 Rsch. Analysis in Resp. Care 3 HEAL 4700 Nutrition Science 3	RCBS 3400 Adv. Cardiopul. Therapeutics 3 RCBS 4500 Delivery of Care at Alt. Sites 4 HEAL Elective 3 Multicultural Electives 3	
	<b>Total 15 hours</b>	<b>Total 13 hours</b>	

**Health Electives (choose 2)**

HEAL 2500 Personal Health  
HEAL 2700 Community Health  
HEAL 3500 Environmental Health  
HEAL 4560 Health Problems of Aging

**EKG Certificate Degree Requirements**

Students should follow and complete the certificate requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Year One</b>	CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 2560 Anatomy & Physiology I 3 ENGL 1110 College Composition I 3 MATH 1320 College Algebra 3 HIM 1110 Medical Terminology or HEAL 1800 Medical Terminology 3	CARD 1280 12-Lead Interpretation 4 CARD 1290 12-Lead Interpretation Lab 1 RCBS 3300 ACLS 2 ENGL 1130 or higher College Comp. II 3 KINE 2570 Anatomy & Physiology II 3 PSY 1010 Principles of Psychology 3	CARD 1390 12-Lead EKG Interpretation Clinical 4
	<b>Total 17 hours</b>	<b>Total 16 hours</b>	<b>Total 4 hours</b>

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 Environmental Health ..... 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

**General Electives** 17-22

**Certificate Programs**

**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 CCI.

**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. 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.*

**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 Elem. Chemistry with a C or better.

**Emergency Medical Health Services Certificate**

The emergency medical technician - paramedic certificate offers the qualified student a competency-based 700-hour curriculum in didactic and clinical skills that, upon completion, qualifies the graduate for positions in emergency services, mobile advanced life support units and other appropriate services under physician control. The certificate program follows the National Standard Emergency Medical Technician – Paramedic - United States Department of Transportation curriculum (1998). Upon completion of the program, the student receives a certificate from The University of Toledo and is qualified to apply for certification in the state of Ohio. Graduates must sit for a state-certifying exam. The program is accredited by the Ohio Department of Public Safety, the official accrediting agency as set by Ohio law. The student may register for courses required to apply for certification as an emergency medical technician.

**Selective Admissions Requirements**

Although admission to the college is open, acceptance into the emergency medical health services program is limited. Once admitted to the University, each student must file a separate application for the emergency medical health services program with the college selective admissions committee. A written statement regarding selective admission criteria is available upon request. The student will be notified in writing of acceptance into the program.

**Emergency Medical Health Services Certificate Requirements**

*Students should follow and complete the degree requirements as displayed in the emergency medical health services program of study chart.*

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

**Department of Kinesiology**

*Charles Armstrong, chair*

**Degree Programs**

Bachelor of Science in Exercise Science

- Athletic Training
- Biomechanics
- Clinical Exercise Science
- 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 wish 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 six areas: athletic training, kinesiotherapy, clinical exercise science, exercise physiology, biomechanics and pre-physical therapy. Many students use the degree as a stepping stone 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, clinical exercise science, exercise physiology, kinesiology or prephysical 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 Allied

Health Education Programs. In Ohio, athletic training is a licensed profession requiring an additional examination to be licensed. Athletic training is a regulated profession in over 30 states and the UT program meets or exceeds the criteria in virtually 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 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 the University or from outside 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 National Athletic Trainers Association Board of Certification (NATABOC) requires student athletic trainers to complete their clinical experience over 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 three years from the date of the first contact with the program.

For further information students are referred to the athletic training education program Web site at [http://www.utoledo.edu/~sportsmed/at\\_ed.htm](http://www.utoledo.edu/~sportsmed/at_ed.htm).

## 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 topics relating to such things 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.

## Clinical Exercise Science

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 clinical exercise science is designed for these students. In addition to the required exercise science courses, these students take additional coursework that focuses primarily on the use of exercise in the diagnosis and treatment of cardiovascular disease. In addition to an internship and their senior research project, many of these students complete one or more of the certification programs offered by such organizations as the American College of Sports Medicine or 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 an associate's degree program in cardiovascular technology with the B.S.E.S. program in clinical exercise science. Graduates of this 2 + 2 program may find employment in hospital-based cardiology and cardiovascular rehabilitation programs.

## 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 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, corporate fitness, or 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 both physical and psychological illnesses. Kinesiotherapists use many types of exercises to enhance the strength, flexibility and neuromuscular coordination of the patients that 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 Allied Health Education Programs and graduates of the program are eligible to sit for the national AKTA registration examination. Recent 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 option provides students with the opportunity to complete the B.S.E.S. degree, and at the same time complete the courses that are necessary for admission into a typical master's entry-level physical therapy program. In this unique program, students study exercise science at The University of Toledo for three years. During the third year, they make application to the Medical College of Ohio (MCO) to enter the master's degree program in physical therapy. Those who are successful in gaining admission to this program spend their senior year at MCO completing the first year of physical therapy training. At the end of their senior year they graduate from The University of Toledo with a B.S.E.S. degree. They then complete an additional two years of physical therapy training at MCO as master's degree students. Upon successful completion of this, they are awarded the M.S.E.S. degree from MCO. Admission to the fourth year of this program is selective and highly competitive. Completion of the pre-physical therapy option does not guarantee acceptance to the professional curriculum at MCO.

## Optional (Self-Designed)

Many students are interested in a degree in exercise science but would like to develop a concentration in a unique area. It may be that the student plans to attend a professional or graduate degree program in an area that has specific undergraduate prerequisites that are not included in any of the departmental concentrations. Or, it may be that the student's personal interests can 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 that relates to exercise science and are designed in collaboration with a departmental faculty adviser. The students must file with the Student Services Office

**Bachelor of Science in Exercise Science - Athletic Training Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 KINE 1110 Intro to Clin Athl. Trng. 2 KINE 1700 Intro to Exercise Science 2 CHEM 1230 General Chemistry I 4 CHEM 1280 General Chemistry I Lab 1 MATH 1340 Algebra & Trig 4 <b>Total 16 hours</b>	KINE 1650 Foundations of Athl Trng 3 HEAL 1500 First Aid 2 HEAL 2500 Personal Health 3 KINE 2510 Human Anatomy 3 KINE 2520 Human Anatomy Lab 1 Multicultural Elective 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	KINE 2610 Lower Extremity Eval 3 KINE 2710 Clinical Skill Dev. I 2 PSY 1010 Principles of Psychology 3 ENGL 2950 Scientific Tech Rpt. Wrtg. 3 BIOL 2150 Biology 4 BIOL 2160 Biology Lab 1 <b>Total 16 hours</b>	KINE 2530 Human Physiology 3 KINE 2540 Lab 1 KINE 2620 Upper Extremity Eval. 3 KINE 2720 Clinical Skill Dev. II 2 BIOL 2170 Biology II 4 BIOL 2180 Biology II Lab 1 Humanities Elective 3 <b>Total 17 hours</b>
<b>Junior Year</b>	KINE 2960 Growth, Dev., Mtr. Act 4 KINE 3520 Ex. Physiology 3 KINE 3530 Ex. Phys. Lab 1 KINE 3610 Medical Conditions 2 KINE 3630 Therapeutic Modalities (Int. Lab) 3 KINE 3710 Clinical Skill Dev. III 3 <b>Total 16 hours</b>	KINE 3660 Rehab (Int. Lab) 3 KINE 3720 Clinical Skill Dev. IV 3 MATH 2600 Intro. Stats 3 PHCL 2200 Drugs, Meds. & Soc. 3 COMM 3840 Interpersonal Comm 4 <b>Total 16 hours</b>
<b>Senior Year</b>	KINE 4650 Admin AT Prog. 3 KINE 4710 Clinical Skill Dev. V 3 PHYS 2070 Physics-Mech 5 Humanities Elective 3 Social Science Elective 3 <b>Total 17 hours</b>	KINE 4720 Clinical Skill Dev. VI 4 KINE 4540 Applied Biomechanics 3 KINE 4550 Biomechanics Lab 1 KINE 4910 Senior Research Project 4 HEAL 4700 Nutrition Science 3 <b>Total 15 hours</b>

**Bachelor of Science in Exercise Science — Biomechanics Degree Requirements**

Students should follow and complete the degree requirements as displayed.

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

### Bachelor of Science in Exercise Science — Clinical Exercise Specialist Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	CHEM 1230 General Chemistry I 4 CHEM 1280 General Chemistry I Lab 1 KINE 1700 Intro to Exercise Science 2 ENGL 1110 College Composition I 3 MATH 1340 Algebra & Trig 4 <b>Total 14 hours</b>	CHEM 1240 General Chemistry II 4 CHEM 1290 General Chemistry II Lab 1 ENGL 2950 Scientific Tech. Rpt. Wrtg. 3 HEAL 1500 First Aid 2 Humanities Elective 3 Social Science Elective 3 <b>Total 16 hours</b>
<b>Sophomore Year</b>	BIOL 2150 Fund. Life Science I 4 BIOL 2160 Fund Life Science I Lab 1 KINE 2510 Human Anatomy 3 KINE 2520 Human Anatomy lab 1 KINE 2960 Growth Devel. & Motor Lrng. 4 Multicultural Elective 3 <b>Total 16 hours</b>	BIOL 2170 Fund. Life Science II 4 BIOL 2180 Fund. Life Science II Lab 1 KINE 2530 Human Physiology 3 KINE 2540 Human Physiology Lab 1 HEAL Health Elective 3 Social Science Elective 3 <b>Total 15 hours</b>
<b>Junior Year</b>	PHYS 2070 Physics I 5 CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 3520 Appl d Exercise Physiology 3 KINE 3530 Appl d Exercise Phys. Lab 1 KINE 3730 Methods in Fitness Instruct 2 <b>Total 16 hours</b>	PHYS 2080 Physics II 5 CARD 1280 12-Lead Interpretation 4 CARD 1290 12-Lead Interpretation Lab 1 KINE 3820 Sports Medicine for Coaches 3 COMM 3840 Interpersonal Comm. 4 <b>Total 17 hours</b>
<b>Senior Year</b>	KINE 4540 Biomechanics 3 KINE 4550 Biomechanics Lab 1 KINE 4910 Senior Project 4 RESM 4100 Educational Statistics 3 HEAL Health Elective 3 HEAL 4700 Nutrition Science 3 <b>Total 17 hours</b>	KINE 4850 Clinical Exercise Testing 3 KINE 4860 Clinical Exercise Testing Lab 1 KINE 4940 Internship 4 HEAL Health Elective 3 Multicultural Elective 3 <b>Total 14 hours</b>

### Bachelor of Science in Exercise Science — Exercise Physiology Degree Requirements

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	ENGL 1110 English Composition I 3 CHEM 1230 General Chemistry I 4 CHEM 1280 General Chemistry Lab 1 KINE 1700 Intro to Exercise Science 2 MATH 1340 Algebra/Trigonometry 4 <b>Total 14 hours</b>	PSY 1010 Principles of Psychology 3 CHEM 1240 General Chemistry II 4 CHEM 1290 General Chemistry II Lab 1 ENGL 2950 Science & Tech. Rpt. Wrtg. 3 HEAL 1500 First Aid 2 Humanities Elective 3 <b>Total 16 hours</b>
<b>Sophomore Year</b>	KINE 2510 Human Anatomy 3 KINE 2520 Anatomy Lab 1 KINE 2960 Growth, Dev, & Motor Act 4 BIOL 2150 Biology 4 BIOL 2160 Biology Lab 1 Social Science Elective 3 <b>Total 16 hours</b>	BIOL 2170 Biology II 4 BIOL 2180 Biology II Lab 1 KINE 2530 Human Physiology 3 KINE 2540 Human Physiology Lab 1 Multicultural Elective 3 General Elective 3 <b>Total 15 hours</b>
<b>Junior Year</b>	KINE 3520 Applied Exercise Physiology 3 KINE 3530 Exercise Physiology Lab 1 PHYS 2070 Physics I 5 Exercise Physiology Elective 6 <b>Total 15 hours</b>	KINE 4540 Applied Biomechanics 3 KINE 4550 Applied Biomechanics Lab 1 KINE 4850 Clin. Exer. Test/Prog. 3 KINE 4860 Clin. Exer. Test/Prog. Lab 1 KINE 4990 Independent Study 2 Exercise Physiology Elective 3 Multicultural Elective 3 <b>Total 16 hours</b>
<b>Senior Year</b>	RESM 4100 Statistics 3 HEAL 4700 Nutrition 3 KINE 4900 Human Perform. Seminar 3 KINE 4990 Independent Study 3 Exercise Physiology Elective 3 <b>Total 15 hours</b>	KINE 4910 Senior Research Project 4 KINE 4990 Independent Study 3 COMM 3840 Interpersonal Comm. 4 General Electives 6 <b>Total 17 hours</b>

Exercise Physiology Concentration Electives include: CHEM 2410 Organic Chemistry I, CHEM 2460 Organic Chemistry I Lab, CHEM 2420 Organic Chemistry II, CHEM 2460 Organic Chemistry II Lab, PHCL 2600 Functional Anatomy and Pathophysiology

**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
<b>Freshman Year</b>	ENGL 1110 English Composition I 3 KINE 1700 Intro to Exercise Science 2 CHEM 1230 General Chemistry I 4 CHEM 1280 General Chemistry I Lab 1 MATH 1340 College Algebra/Trig 4 <b>Total 14 hours</b>	HEAL 1500 First Aid 2 CHEM 1240 General Chemistry II 4 CHEM 1290 General Chemistry II Lab 1 ENGL 2950 Tech. Science Report Wrtg. 3 PSY 1010 Principles of Psychology 3 Social Science Elective 3 <b>Total 16 hours</b>	
<b>Sophomore Year</b>	CARD 1180 Cardiac Dysrhythmias 4 CARD 1190 Cardiac Dysrhythmias Lab 1 KINE 2510 Human Anatomy 3 KINE 2520 Anatomy Lab 1 KINE 2960 Growth, Devel, Motor Act 4 KINE 3510 Intro to Kinesiotherapy 3 <b>Total 16 hours</b>	KINE 2530 Human Physiology 3 KINE 2540 Human Physiology Lab 1 KINE 4570 Theory & Prac of Kines 3 KINE 4580 Kinesiotherapy Lab 1 PSY 2200 Abnormal Psychology 3 Multicultural Elective 3 Humanities Elective 3 <b>Total 17 hours</b>	
<b>Junior Year</b>	BIOL 2150 Fund. Life Science I 4 BIOL 2160 Fund. Life Science I Lab 1 KINE 4540 Applied Biomechanics 3 KINE 4550 Applied Biomechanics Lab 1 KINE 4620 Therapeutic Kinesiology 3 KINE 4640 Neuro/Path of Rehab 3 <b>Total 15 hours</b>	BIOL 2170 Fund Life Science II 4 BIOL 2180 Fund Life Science II Lab 1 KINE 3520 Applied Exercise Physiology 3 KINE 3530 Exercise Physiology Lab 1 KINE 4850 Clinical Exercise Program. 3 KINE 4860 Clinical Exercise Prog. Lab 1 KINE 4940 KT Internship 3 <b>Total 16 hours</b>	KINE 4940 KT Internship 4 <b>Total 4 hours</b>
<b>Senior Year</b>	PHYS 2070 Physics — Mechanics 5 HEAL 4560 Health Prob. Of Aging 3 COMM 3840 Interpersonal Comm. 4 RESM 4100 Statistics 3 <b>Total 15 hours</b>	KINE 4910 Senior Research Project 4 KINE 4940 Internship 4 HEAL 4700 Nutrition Science 3 HEAL Elective 3 Multicultural Elective 3 <b>Total 17 hours</b>	

**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
<b>Freshman Year</b>	CHEM 1230 General Chemistry I 4 CHEM 1280 General Chemistry I Lab 1 MATH 1340 College Algebra/Trig. 4 ENGL 1110 Composition I 3 KINE 1700 Intro to Exercise Science 2 <b>Total 14 hours</b>	CHEM 1240 General Chemistry II 4 CHEM 1290 General Chemistry II Lab 1 PSY 1010 Principles of Psychology 3 HEAL 1800 Medical Terminology 3 ENGL 2950 Scientific Tech. Rpt. Wrtg. 3 Multicultural Elective 3 <b>Total 17 hours</b>
<b>Sophomore Year</b>	BIOL 2150 Biology Life Science I 4 BIOL 2160 Biology Life Science I Lab 1 KINE 2510 Human Anatomy 3 KINE 2520 Human Anatomy Lab 1 HEAL 2700 Community Health 3 SOC 1010 Intro to Sociology 3 Humanities Elective 3 <b>Total 18 hours</b>	BIOL 2170 Biology Life Science II 4 BIOL 2180 Biology Life Science II Lab 1 KINE 2530 Human Physiology 3 KINE 2540 Human Physiology Lab 1 SOC 3800 Social Psychology or PSY 2700 Social Psychology 3 Multicultural Elective 3 <b>Total 15 hours</b>
<b>Junior Year *</b>	KINE 2960 Growth Devel. & Motor Lng 4 KINE 3520 Applied Exercise Physiology 3 KINE 3530 Appl. Exercise Physiol. Lab 1 PHYS 2070 Physics I 5 RESM 4100 Educational Statistics I 3 <b>Total 16 hours</b>	KINE 4540 Applied Biomechanics 3 KINE 4550 Applied Biomechanics Lab 1 HEAL 4700 Nutrition Science 3 PHYS 2080 Physics II 5 Communication (select one ) 3-4 COMM 3840 Interpersonal Comm. (4) COMM 1010 Comm. Prin. & Practices (3) <b>Total 15 - 16 hours</b>
<b>Senior Year</b>	All course work is taken at MCO <b>Total 16 hours</b>	All course work is taken at MCO <b>Total 16 hours</b>

\* Apply to Physical Therapy Program at MCO in fall of third year.

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 to prepare for advance training in fields such as physician assistant, occupational therapy, physical therapy, therapeutic recreation, medicine, medical and health-related sales, public health and many other fields that relate to health and human physical performance.

Additional information about the bachelor of science in exercise science can be found at the department's Web site <http://www.utoledo.edu/~kinesiology>.

## Department of Military Science

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

*Major Robert L. Schaefer, 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 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 receive free room and board 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 nonscholarship cadets. Students may inquire about Army ROTC scholarships by contacting the department of military science.

### Army ROTC Basic Course

The basic course, normally completed in the freshman and sophomore years, provides the student with a general knowledge of the military's role in our society and the missions of the Army. Subjects include leadership, land navigation, marksmanship, first aid and 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 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 must also 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 a four-week National Advanced Leadership Camp at FT. Lewis, WA. Students normally attend the National Advanced Leadership Camp the summer between their junior and senior years.

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

### 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 a participating cross-enrolled 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 furnished to students on a loan basis.

### 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, dependent upon 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 Basic Camp is conducted at Fort Knox, Kentucky.

**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**

The AFROTC program is conducted in cooperation with Bowling Green State University. It 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 <http://www.bgsu.edu/departments/airforce>.

**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 finalizing their program, students should consult an academic adviser within the department of their declared major.

Following are the requirements for the minor in military science:

- 1. 6 credit hours at the basic course level
- 2. 18 credit hours at the advanced course level
- 3. 1 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:**

MS 1010	The Military Profession (fall)	2
MS 1020	Introduction to Leadership (spring)	2
MS 1030	Introduction to Physical Fitness	1

MS 1040	Physical Fitness	1
MS 2010	<b>Leadership and Tactics (fall)</b>	3
MS 2020	<b>Leadership and Management (spring)</b>	3
MS 2030	Physical Training I	1
MS 2040	Physical Training II	1
MS 2200	<b>ROTC Leaders Training Course (summer)</b>	3

**Advanced Course:**

MS 3010	<b>Small Unit Tactics (fall)</b>	3
MS 3020	<b>Small Unit Leadership (spring)</b>	3
MS 3030	Physical fitness Planning I	1
MS 3040	Physical Fitness Planning II	1
MS 3600	Airborne Operations (summer)	1
MS 3700	Cadet Troop Leadership Training (summer)	1
MS 3800	Air Assault Operations (summer)	1
MS 3850	<b>Army ROTC National Advanced Leaders Course (summer)</b>	3
MS 4010	<b>Staff Operations (fall)</b>	3
MS 4020	<b>Military Law and Ethics (spring)</b>	3
MS 4030	Advanced Physical Fitness Planning I	1
MS 4040	Advanced Physical Fitness Planning II	1
MS 4800	<b>Gettysburg: A Military History (fall)</b>	3

Courses in bold are required in order to receive a commission in the U.S. Army, Army Reserve or Army National Guard.

**Department of Public Health and Rehabilitative Services**

*Roy H. Olsson Jr., chair*

**Degree Programs**

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

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

<b>Natural Science Courses (29 hours)</b>		<b>Hours</b>
(6 hours used to satisfy University core)		
BIOL 2100	Microbiology (not for core credit)	4
BIOL 2150	Fundamentals of Life Sciences	4
BIOL 2160	Fundamentals of Life Sciences Lab	1
CHEM 1210	Chemistry for Life Science	3
CHEM 1220	Chemistry for Life Science II	3
KINE 2510	Human Anatomy	3

**Bachelor of Science in Community Health — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	CHEM 1210 Chemistry for Life Science I 3 HEAL 2000 Foundations for Health Ed 3 ENGL 1110 College Composition I 3 MATH 1180 Mathematics for Liberal Arts 3 HHS 1000 College Orientation 1 Humanities Elective 3 <b>Total 16 hours</b>	CHEM 1220 Chemistry for Life Science II 3 HEAL 1500 First Aid 2 ENGL 1130 or higher College Comp II 3 BIOL 2150 Fund. Of Life Sciences 4 BIOL 2160 Fund. Of Life Sciences Lab 1 SOC 1750 Social Problems 3 <b>Total 16 hours</b>
<b>Sophomore Year</b>	KINE 2510 Human Anatomy 3 KINE 2520 Human Anatomy Lab 1 HEAL Health Elective 3 HEAL 2700 Community Health Skills/Comm Health Elective 3 Humanities Elective 3 <b>Total 16 hours</b>	BIOL 2100 Microbiology 4 KINE 2530 Human Physiology 3 KINE 2540 Human Physiology Lab 1 HEAL 2400 General Safety 3 HEAL 2940 Internship In Comm Hlth 1 Multicultural Elective 3 <b>Total 15 hours</b>
<b>Junior Year</b>	HEAL 3500 Environmental Health 3 KINE 3520 Appl d Exercise Physiology 3 KINE 3530 Appl d Exercise Phys. Lab 1 Social Science Elective 3 Skills/Comm Health Elective 4 Multicultural Elective 3 <b>Total 17 hours</b>	HEAL 3600 Prev/Control of Disease 3 HEAL 4100 Health Behavior 3 HEAL 4800 Public Health Research/Stats 3 KINE 3730 Fitness Assessment/Program 2 Skills/Comm Health Elective 3 Elective 3 <b>Total 17 hours</b>
<b>Senior Year</b>	HEAL 4200 Methods/Materials in C.H. 3 HEAL 4700 Nutrition Science 3 HEAL Health Elective 3 Social Science Elective 3 Elective 3 <b>Total 15 hours</b>	HEAL 4940 Senior Field Experience 9 Social Science Elective 3 <b>Total 12 hours</b>

**Bachelor of Science in Health Care Administration — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Junior Year</b>	ENGL 2960 Organ. Report Writing 3 ECON 1200 Prin. Of Microeconomics 3 HCAR 4510 Medical/Legal Aspects of Health Care 3 BUAD 2040 Financial Accounting Info. 3 BUAD 3030 Managerial and Behavioral Processes 3 <b>Total 15 hours</b>	ECON 4750 Health Economics 3 HCAR 4500 Health Care Info Systems 4 HEAL 2700 Community Health 3 HURM 3220 Intro to Human Resource Management 3 PHIL 3370 Medical Ethics 3 <b>Total 16 hours</b>
<b>Senior Year</b>	HCAR 4530 Problem Solving In Health Care Environment 4 SOC 4180 Medical Sociology 3 HEAL 2500 Personal Health Program Electives 6 <b>Total 16 hours</b>	HEAL 4800 Public Health Research/Stats 3 HCAR 4540 Internship in Health Mid Mgmt. 3 HCAR 4550 Health Care Finance 3 Program Electives 3 <b>Total 12 hours</b>

**Nursing Home Administration Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 KINE 2560 Anatomy & Physiology I 3 MATH 1180 Mathematics for Liberal Arts 3 PSY 1010 Principles of Psychology 3 ECON 1200 Prin. Of Micro-Economics 3 <b>Total 15 hours</b>	HEAL 1500 First Aid 2 HEAL 1800 Medical Terminology 3 SOST 1040 Intro to Gerontology* 3 CMPT 1100 Computer Info. Appl s 3 SOST 1130 Community Resources 3 <b>Total 14 hours</b>	
<b>Sophomore Year</b>	KINE 2570 Anatomy & Physiology II 3 BUAD 2040 Financial Accounting Info. 3 BMGT 2120 Human Resource Develop. 3 PSY 2200 Abnormal Psychology 3 HEAL 2800 Principles of Nutrition 3 <b>Total 15 hours</b>	BUAD 2050 Acct g for Business Decision 3 BMGT 2310 Legal Envrnmnt of Business 3 PHCL 2220 Drugs, Meds, and Society 3 HEAL 2700 Community Health 3 PSY 2500 Developmental Psychology 3 <b>Total 15 hours</b>	
<b>Junior Year</b>	ENGL 2860 Organizational Report Wrtg. 3 BUAD 3030 Managerial/Behavior Proc. 3 PHIL 3370 Medical Ethics 3 KINE 3510 Intro. To Kinesiotherapy 3 HIST 3310 Ethnic America * 3 <b>Total 15 hours</b>	HURM 3220 Human Resource Mgmt 3 COMM 3840 Interpersonal Comm. 4 HEAL 3300 Death & Dying 3 PSY 3010 Culture & Psychology * 3 PHIL 3250 Current European Phil* 3 <b>Total 16 hours</b>	HEAL 3940 Internship ** 10 <b>Total 10 hours</b>
<b>Senior Year</b>	PHPR 4400 Human Interaction in Health* 2 HEAL 4800 Public Health Res & Stats 3 TSOC 4100 Group Processes 3 HCAR 4360 Quality Assurance in H.C. 3 ECON 4750 Health Economics 3 <b>Total 14 hours</b>	HCAR 4510 Med./Legal Aspects of H.C. 3 HCAR 4530 Problem Solving in H.C. 3 HCAR 4550 Health Care Finance 3 RCRT 4720 Intro to Therapeutic Rec. 3 SOC 3840 Medical Sociology 3 <b>Total 15 hours</b>	

\* Other elective courses may be substituted

\*\* Internship could be completed in either junior or senior year

**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
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 RCRT 1300 Intro to Rec. Leisure 3 HEAL 1500 First Aid 2 MATH 1180 Mathematics for Liberal Arts 3 RCRT 1400 Camping/Outdoor or RCRT 1010 Popular Outdoor Pursuits 3 <b>Total 14 hours</b>	ENGL 1130 or higher College Comp II 3 RCRT 1310 Recreation Programming 3 PSY 1010 Intro. To Psychology 3 HEAL 2500 Personal Health 3 Humanities Elective 3 <b>Total 15 hours</b>	
<b>Sophomore Year</b>	RCRT 2300 Leadership & Group 3 RCRT 3210 Rec/Leisure & Aging 3 Natural Science Elective 3-4 Social Science Elective 3 <b>Total 12-13 hours</b>	COMM 3840 Interpersonal Comm. 4 RCRT 4300 Adap. Special Populations 3 HEAL 3300 Drug Awareness 3 Natural Science Elective 3 Multicultural Elective 3 <b>Total 16 hours</b>	RCRT 2940 Field Experience 3 <b>Total 3 hours</b>
<b>Junior Year</b>	RCRT 4400 Naturalist & Interp Service 3 KINE 1080 Exercise & Health 3 PSY 2500 Developmental Psychology 3 Concentration Elective 3 CIET 4100 Educational Computing 3 <b>Total 15 hours</b>	RCRT 4420 Evaluation Techniques 3 Multicultural Elective 3 Concentration Electives 6 <b>Total 12 hours</b>	RCRT 4930 Senior Field Experience 12 <b>Total 12 hours</b>
<b>Senior Year</b>	RCRT 4320 Administration in Recreation and Recreational Therapy 3 RCRT 4410 Park/Recreation Planning 3 Concentration Electives 6 <b>Total 12 hours</b>	Concentration Electives 12-15 <b>Total 12-15 hours</b>	

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 Program .....	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 Probl. (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	3710	Public Relations .....	3
COMM	3820	Persuasion Theory .....	4
EDP	4330	Behavior Management .....	3
HEAL	1800	Medical Terminology .....	3
TSOC	4100	Group Processes in Education .....	3

**Health Care Administration**

Students who have earned an associate's degree in an allied health field and who have at least one year of work experience in the health care field are eligible to enter the health care administration program. This interdisciplinary program introduces allied health professionals to managerial concepts and related skills. The health care core courses enhance students' knowledge of current health issues, federal and state legislation affecting health care, and management theories and decision making, all of which are important in health care administration.

**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. In addition, students should complete the following:

**Program Electives (9 hours) Hours**

Select two of the following courses:

HEAL	2400	General Safety .....	3
HEAL	2800	Principles of Nutrition .....	3
HEAL	3200	Consumer Health .....	3
HEAL	3300	Drug Awareness .....	3
HEAL	3800	Death & Dying .....	3
HEAL	3500	Environmental Health .....	3
HEAL	3600	Prevention and Control of Disease .....	3
HEAL	4560	Health Problems of Aging .....	3
SOC	3270	Social Research Methods .....	3
SOC	3800	Social Psychology .....	3
SOC	4160	Health and Gender .....	3
SOC	4190	Social Gerontology .....	3
SOC	4610	Sociology of Organizations .....	3

Select one course from the following:

HCAR	4360	Quality Assurance in Health Care .....	3
MKTG	3170	Marketing for Non-Profit Organizations (or adviser-directed elective) .....	3

**General Electives (41-44 hours):**

Most or all from an associate's degree program in a health-related profession.

**Health Education Pre K-12**

Students who complete the health education major will be eligible for license to teach health education pre K-12. In addition to the health education major, students will be required to complete either a second degree or a second track. (See the College of Education for B.Ed degree details.)

**Nursing Home Administration**

The nursing home administration program has been approved by the Ohio Board of Examiners of Nursing Home Administrators. Patterned on the guidelines set forth by the Association of University Programs in Health Administration, Office of Long-Term Care, the program provides a basic education, technical work in the field, an overview of nursing home administration and specialization in chosen aspects of that system. Course work focuses on general nursing home administration, patient services and care, and health and social service delivery systems. The student is able to take the licensing examination of the Ohio Board of Examiners of Nursing Home Administrators upon graduation from this program.

**Bachelor of Science in Nursing Home Administration Degree Requirements**

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

**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.

**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 should also choose one of the following specialization areas.

**Recreation Resource Management (25 hours)**

BIOL	1130	Human Ecology <b>or</b>	
BIOL	1140	Biol. Aspects of Human Consciousness ....	3
CRIM	1010	Introduction to Law Enforcement .....	3
EEES	2400	Oceanography and Water Resources <b>or</b> adviser-directed elective .....	3
EEES	3000	Geology of Natural Parks .....	3
GEPL	3410	Cartography I or adviser-directed elective	4
GEPL	3610	Conservation and Resources .....	3
RCRT	4500	Wildlife Management .....	3
RCRT	4510	Wilderness Policy & Management .....	3

**Law Enforcement (24 hours)**

CRIM	1010	Criminal Justice .....	3
CRIM	1040	Human Relations .....	3
CRIM	1210	Constitutional Law .....	3
CRIM	1220	Criminal Code or adviser-directed elective	3
CRIM	1240	Patrol Policies .....	3
CRIM	1250	Juvenile Delinquency .....	3
CRIM	2210	Criminal Investigations .....	3
CRIM	2220	Laws of Evidence .....	3

**Bachelor of Science in Recreational Therapy — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester	Summer Semester
<b>Freshman Year</b>	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 Natural Science Core 3 <b>Total 15 hours</b>	RCRT 1310 Rec. Programming 3 PSY 2510 Lifespans Dev. Psy. 3 MATH 1180 Math for Lib Arts 3 ENG College Comp II 3 Humanities Core 3 <b>Total 15 hours</b>	
<b>Sophomore Year</b>	RCRT 3210 Rec/Leisure & Aging 3 KINE 2560 Anatomy & Physiology I 3 PSY 2200 Abnormal Psychology 3 PSY 2400 Cognitive Psychology 3 <b>Total 12 hours</b>	RCRT 4300 Rec. & Adaptation for Special Populations 3 KINE 2570 Anatomy & Physiology II 3 HEAL 1800 Medical Terminology 3 PSY 2700 Social Psychology Track Course 3 <b>Total 15 hours</b>	
<b>Junior Year</b>	RCRT 4720 Introduction to TR 3 RCRT 4730 Med/Clinical Aspects TR 3 AED 3300 Crafts in Art 3 Multicultural Class Track Course 3 <b>Total 15 hours</b>	RCRT 4740 Assessment and Documentation in TR 3 RCRT 4750 Group Dynamics in RT 3 Multicultural Class Track Course 3 <b>Total 12 hours</b>	RCRT 4840 RT Clinical: Pediatric 2  <b>Total 2 hours</b>
<b>Senior Year</b>	RCRT 4760 Research Administrative Programming in TR 3 RCRT 4600-4690 RT Interventions 5 RCRT 4800-4830 RT Clinicals 4 RCRT 4700 Creative Art Therapies 3 <b>Total 15 hours</b>	RCRT 4320 Administration in Recreation & RT 3 RCRT 4600-4690 RT Interventions 5 RCRT 4800-4830 RT Clinicals 4 RCRT 4710 Adventure Programming in Recreation & RT 3 <b>Total 15 hours</b>	<b>Summer 1</b> RCRT 4940 RT Internship 6 RCRT 4770 RT Project Design 2  <b>Summer 2</b> RCRT 4940 RT Internship 6 RCRT 4780 RT Project Evaluation 2 <b>Total 16 hours</b>

Choose one or more tracks @ 9 hours each

**Bachelor of Science in Speech-Language Pathology — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	SLP 2400 Intro to Communication Dis 3 KINE 2560 Anatomy & Physiology 3 MATH 1320 College Algebra 3 SOC 1010 Intro to Sociology 3 ENGL 1110 College Composition I 3 <b>Total 15 hours</b>	HEAL 1500 First Aid 2 HEAL 1800 Medical Terminology 3 PSY 1010 Principles of Psychology 3 ENGL 2960 or Composition II 3 Humanities Elective 3 Natural Science Elective 3 <b>Total 17 hours</b>
<b>Sophomore Year</b>	SLP 3010 Clinical Phonetics 3 SLP 3020 Anat. & Physiology of Speech & Hear 3 SLP 3030 Normal Lang. Acquisition 3 SPED 4620* Diversity Seminar 1 SPED 3670 American Sign Language 3 Multicultural Elective 3 <b>Total 16 hours</b>	SLP 3140 Analyzing Language 3 SLP 3200 Articulation/Phono Disorders 3 SLP 3300 Comm. Disorders: Language 3 MATH 2600 or PSY 2100 Statistics 3 CMHS 3070, 4080, 4090 or SPED 4260 3 <b>Total 15 hours</b>
<b>Junior Year</b>	SLP 3510 Speech Science 3 SLP 3800 Methods of Clinical Interven 3 SPED 4630* Collaboration for the SLP 1 EDP 3280* or other option 3 CMHS 3070, 4080, 4090 or SPED 4260 Option 3 <b>Total 16 hours</b>	SLP 4000 Beginning Clinical Practicum 2 SLP 4600 Voice & Fluency Disorders 3 SPED 2040 Perspectives in Special Educ 3 EDP 3290* HEAL 4560 or PSY 2510 3 CIET 2020* Tech & Multimedia in Ed Env Option 2 <b>Total 16 hours</b>
<b>Senior Year</b>	SLP 4500 Org. Disorders-Speech/Lang 3 SLP 4300 Adv. Clinical Prac. I 2 SLP 3400 Audiology 3 SPED 4370* or other option 3 Humanities Elective 3 Multicultural Elective 3 <b>Total 17 hours</b>	SLP 3500 Aural Rehab & Speech Reading 3 SLP 4700 Diag. Proced. In Comm. Dis. 3 SLP 4800 Adv. Clinical Prac. II 2 SPED 4120* or other option 3 Options or Electives 3-5 <b>Total 14 - 16 hours</b>

\* School License Option

**Community Recreation (24 hours)**

ANTH	2800	Cultural Anthropology .....	3
CMHS	4080	Essentials of Helping Relationships .....	3
GEPL	3710	Urban Environment .....	3
HEAL	3700	Foundations of Human Sexuality .....	3
MKTG	3170	Marketing for Non-Profit Organizations or adviser-directed elective .....	3
HURM	3220	Human Resource Management or	
BUAD	3030	Managerial/Behavioral Processes in Orgs.	3
PSY	2700	Social Psychology .....	3
PSY	3200	Personality .....	3

**Community Special Recreation (24 hours)****Choose 8 courses from the following:**

CMHS	4080	Essentials of Helping Relationships .....	3
KINE	2560	Anatomy & Physiology I .....	3
KINE	3520	Applied Exercise Physiology .....	3
HEAL	1800	Medical Terminology .....	3
HEAL	3500	Environmental Health .....	3
HEAL	3800	Death & Dying .....	3
HEAL	4500	Women's Health Care .....	3
HEAL	4560	Health Problems of the Aging .....	3
MKTG	3170	Marketing for Non-Profit Organizations or adviser-directed elective .....	3
PSY	2200	Abnormal Psychology .....	3
PSY	2400	Cognitive Psychology .....	3
PSY	2700	Social Psychology .....	3
PSY	3200	Personality .....	3

**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: treatment, leisure education and special recreation.

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

*Students should follow and complete the degree requirements as displayed in the recreation therapy program of study chart. Students should choose one of the following tracks: psychology, pediatrics, therapeutic arts or premasters of occupational therapy.*

**Psychology Minor (9 hours)**

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

PSY	3200	Introduction to Personality .....	3
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**Select two courses from the following:**

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

**Pediatrics (9 hours)**

AED	4140	Art Education for the Special Child or	
AED	4240	Adaptive Methods in Therapeutic Art for Children .....	3
AED	4560	Introduction to Therapeutic Art .....	3
PSY	3220	Psychopathology of Childhood .....	3

**Therapeutic Arts (9 hours)**

AED	4300	Media & Methods in Therapeutic Art .....	3
AED	4560	Introduction to Therapeutic Art .....	3

**Select one course from the following:**

AED	3100	Art Education for Pre-Primary and Primary Child .....	3
AED	4140	Art Education for the Special Child .....	3
AED	4200	Computer Graphics in Art Education .....	3
AED	4240	Adaptive Methods in Therapeutic Art for Children .....	3
AED	4280	Therapeutic Art for Adult Populations .....	3

**MCO Preoccupational Therapy (9 hours)**

CHEM or BIOL	(May be used to satisfy University natural science core) .....	3
CMPT or AED	.....	3
PHYS or AED	.....	3

**Speech-Language Pathology**

The program provides course work in communication disorders preparing the student for graduate work in speech-language pathology. The strengths of the program include supervised clinical experiences on the undergraduate level and selection of medical, multidisciplinary, school, or science-research preparatory options. 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. Students should also select one of the following options.*

**Options for Speech-Language Pathology****Medical Option (14 hours)**

KINE	2560	Human Anatomy & Physiology I (satisfies University natural science core) .....	3
KINE	2530	Human Physiology .....	3
KINE	2540	Human Physiology Lab .....	1
HEAL	3600	Prevention & Control of Disease .....	3
PSY	3400	Cognitive Neuropsychology .....	3

**Multidisciplinary Options (18 hours)****Select courses from two or three of the following areas:****AGING**

HEAL	4560	Health Problems of Aging .....	3
SOC	4190	Social Gerontology .....	3
CMHS	4090	Therapeutic Environment for the Aged .....	3

**COUNSELING**

CMHS	3070	Family Counseling .....	3
CMHS	4080	Essentials of Helping Relationships .....	3
CMHS	4090	Therapeutic Environment for the Aged .....	3

**FOREIGN LANGUAGE**

French, German, Japanese, Latin,  
Spanish or American Sign Language ... 3-14

**HEALTH**

HEAL	3300	Drug Awareness .....	3
HEAL	3600	Prevention & Control of Disease .....	3
HEAL	3800	Death & Dying .....	3
HEAL	4560	Health Problems of the Aging .....	3

**LINGUISTICS**

LING	3150	Linguistic Principles .....	3
LING	3190	Sociolinguistics .....	3
LING	4140	Language in the African American Community .....	3
LING	4180	The Representation of Language in the Brain .....	3

**MATH**

MATH	3610	Statistical Methods I .....	3
MATH	3620	Statistical Methods II .....	3

**PSYCHOLOGY**

PSY	3110	Research Methods in Psychology .....	4
PSY	3400	Cognitive Neuropsychology .....	3
PSY	3410	Psychology of Language .....	3
PSY	3620	Sensory Processes .....	3

**SOCIOLOGY**

SOCW	3070	Child & Family Services .....	3
SOC	4180	Medical Sociology .....	3
SOC	4190	Social Gerontology .....	3

**School Speech-Language Pathology Licensing Option (13 hours)**

(Students should take the Preprofessional Skills Test [PPST] during the freshman year.)

CIET	2020	Technology and Multimedia for Education	2
EDP	3280	Foundations of Teaching and Learning ....	3
SPED	4370	Curriculum & Methods for Mild Needs ....	3
SPED	4120	Teaching Students with Intensive Needs ..	3
SPED	4620	Linguistic Diversity Issues .....	1
SPED	4630	Collaboration for the Speech-Language Pathologist .....	1

**Science/Research Option (14 hours)**

PSY	3110	Research Methods in Psychology .....	4
PSY	4200	Research in Clinical Psychology .....	4
HEAL	4800	Public Health Research & Statistics .....	3
SLP	4910	Directed Research in Speech-Language ...	3

**Department of Social Work**

*Terry Cluse-Tolar, chair*

**Degree Programs**

Bachelor of Arts in Social Work  
Associate of Applied Science Degree in Social Service

**Social Work**

*Terry Cluse-Tolar, program director*  
*Martha Delgado, field coordinator*

The social work program offers a bachelor of arts 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.

**Requirements for the Undergraduate Major**

Freshmen entering The University of Toledo with the intent of majoring in social work will be categorized as presocial work until they complete the requirements to apply to the program and have been accepted.

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

- completed 45 semester hours of course work;
- an overall GPA of 2.25 or higher;
- completed SOCW 1030, SOCW 2010 and SOCW 2210 with a major GPA of at least a 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 they have applied and been admitted to the program. Application procedures are available from the student’s adviser and also in the Social Work Student Handbook available from the program office.

**Degree Requirements**

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, an overall GPA of 2.25, a GPA of 2.5 in the major, a grade of C or better in all major courses and permission of the field coordinator.

**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:

- 3.3 minimum GPA in social work courses
- 3.0 minimum cumulative GPA
- 12 hours completed work in social work
- Qualification as a social work major

After being admitted to the Honors program in social work, the student must complete 9 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.

**Social Work Degree Requirements**

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

**Social Services**

*David Browning, director*

Graduates work with other professional workers as part of the professional team involved in services to groups, families, individuals and the community. Those graduating with an associate’s degree in social services will be eligible to apply for a Social Work Assistant Certification in the State of Ohio. Special options will prepare students for employment in agencies and organizations with specialized service.

**Associate of Applied Science in Social Services**

**Degree Requirements**

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

**Bachelor of Arts in Social Work — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	HHS 1000 College Orientation 1 ENGL 1110 Composition I 3 SOC 1010 Intro to Sociology 3 MATH 1180 Mathematics for Liberal Arts 3 SOCW 1030 Intro to Social Welfare 3 Humanities Elective 3 <b>Total 16 hours</b>	ENGL 1130 or higher College Comp II 3 BIOL 1120 Survey of Biology 3 PSY 1010 Principles of Psychology 3 CMPT 1100 Comp. Inform. Applications 3 General Elective 4 <b>Total 16 hours</b>
<b>Sophomore Year</b>	PSC 1200 American National Govt. 3 SOCW 2010 Survey of SW Profession 3 Humanities Elective 3 Natural Science Elective 3 General Elective 4 <b>Total 16 hours</b>	ECON 1200 Prin. Of Microeconomics 3 ANTH 2100 Human Society thru Film or ANTH 2800 Cultural Anthropology 3 SOCW 2210 SW Field Experience I 3 Humanities Elective 3 General Elective 3 <b>Total 15 hours</b>
<b>Junior Year</b>	SOCW 3110 Social Work Practice I 3 SOCW 3210 Human Behav— SocEnvnt I 3 SOCW 3300 Social Policy & Legislation 3 HIST 3250 or 3260 or 3310 or 4430 3 SOC 3290 or PSC 3110 or PSY 2100 or RESM 4100 3 <b>Total 15 hours</b>	SOCW 3120 Social Work Interviewing 4 SOCW 3220 Human Behavior—Soc Envnt II 3 SOCW 3230 Human Behavior III 3 WGST xxxx Elective 3 SOCW xxxx Elective 3 <b>Total 16 hours</b>
<b>Senior Year</b>	SOCW 4010 Social Work Research 3 SOCW 4120 SW Practice II 3 SOCW 4200 Field Lab II 1 SOCW 4220 Field II 5 SOC, PSY, WGST, AFST Elective 3 <b>Total 15 hours</b>	SOCW 4130 SW Practice III 3 SOCW 4210 Field Lab III 1 SOCW 4230 Field III 5 SOC 4660 Racial/Ethnic Minorities/US or SOC 4670 African Americans in US 3 General Elective 3 <b>Total 15 hours</b>

**Associate of Applied Science in Social Services — Degree Requirements**

Students should follow and complete the degree requirements as displayed.

	<b>Fall Semester</b>	<b>Spring Semester</b>
<b>Freshman Year</b>	HHS 1000 Orientation 1 ENGL 1110 Composition I 3 SOST 1010 Intro to Social Services 3 SOST 1070 Techniques of Interviewing 3 PSY 1010 Principles of Psychology 3 CMPT 1100 Computer Information Appl. 3 <b>Total 16 hours</b>	ENGL 1130 or higher College Comp II 3 SOST 1020 Helping Skills in Soc. Serv. 3 SOST 1080 Team App. in Soc. Serv. 3 SOST 1130 Community Resources 3 SOST 1500 Self Mgmt & Interpersonal Relations 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	SOST 2100 Social Aspects- Record Keeping 3 SOST 2110 Ethnic Studies in Soc. Serv. 3 ANTH 2100 Human Society thru Film or ANTH 2800 Cultural Anthropology 3 MATH 1180 Math for Liberal Arts 3 Humanities Elective 3 <b>Total 15 hours</b>	SOST 2020 Methods in Soc. Serv. 3 SOST 2350 Social Services Internship 4 COMM 2600 Public Presentations 3 CMHS 1230 Pathology in Mental Health 3 PSC 1200 American National Govt 3 <b>Total 16 hours</b>

## Department of Undergraduate Legal Specialties

Attorney 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

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, assisting at real estate closings, depositions, trial and more.

All paralegal courses develop critical thinking and communication skills. There are currently four different program options from which to choose: a two-year associate of applied science degree in paralegal studies, a bachelor of science degree in paralegal studies, a post-baccalaureate certificate in paralegal studies and a nurse paralegal certificate.

### Associate of Applied Science 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 in paralegal studies is an excellent “pre-law” track for those considering law school. Graduates with a bachelor’s degree in paralegal studies who meet certain criteria will receive preferential consideration for admission to 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 a four-year bachelor’s degree.

Students should complete the certificate 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)

Students should complete the certificate 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 have good communication, logic and analytical skills, and possess a fundamental understanding of the legal system. Paralegal studies, as well as many other majors, is good preparation for law school. The faculty of the department of undergraduate legal specialties are all practicing attorneys and are available for career advising. Contact the department office for more information.

### Associate of Paralegal Studies — Degree Requirements

(American Bar Association Approved Program)

Students should follow and complete the degree requirements as displayed.

	Fall Semester	Spring Semester
<b>Freshman Year</b>	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 3	Social Science Elective 3
	<b>Total 15 hours</b>	<b>Total 15 hours</b>
<b>Sophomore Year</b>	LGL 2020 Civil Procedure 3	LGL 2940 Paralegal Internship 3
	LGL Legal Elective* 3	LGL Legal Elective* 3
	ACTG 1040 Prin. of Financial Accounting 3	ACTG 1050 Prin. of Mgmt Accounting 3
	Humanities Elective 3	CMPT 1100 Computer Info. Applications 3
	Social Science Elective 3	Humanities Elective 3
	<b>Total 15 hours</b>	<b>Total 15 hours</b>

**\* LGL Technical Electives**

- LGL 2210 Practice & Procedures in Administrative Law
- LGL 2130 Family Law
- LGL 2700 Advocacy: Mock Trial
- LGL 3010 Law of Business Associations
- LGL 3030 Advanced Legal Research and Writing
- LGL 3050 Bankruptcy Practices & Consumer Applications
- LGL 3330 Litigation
- LGL 3350 Alternative Dispute Resolution

**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
<b>Freshman Year</b>	ENGL 1110 College Composition I 3 LGL 1010 Introduction to Law I 3 LGL 1720 Law Practice Mgmt 3 MATH 1320 College Algebra 3 LGL 2120 Real Estate Transactions 3 <b>Total 15 hours</b>	ENGL 1130 or higher College Comp II 3 LGL 1160 Legal Research 3 LGL 1150 Tort Law 3 CMPT 1100 Computer Info. Applications or BUAD 1020 Micro-Computer Appl 3 Social Science Elective 3 <b>Total 15 hours</b>
<b>Sophomore Year</b>	LGL 2020 Civil Procedure 3 LGL 2130 Family Law 3 LGL 2700 Advocacy: Mock Trial 3 BUAD 2040 Financial Acct. Information 3 Social Science Elective 3 <b>Total 15 hours</b>	LGL 2110 Estate & Probate Admin. 3 LGL 2210 Prac. & Prod. Of Admin Law 3 PHIL 1020 Critical Thinking 3 Humanities Electives 6 <b>Total 15 hours</b>
<b>Junior Year</b>	LGL 3030 Adv. Legal Res/Wrtg 3 LGL 3050 Bankruptcy Pract & Cons Appl 3 PHIL 3400 Ethical Theory 3 Multicultural Elective 3 Natural Science Elective 3 Natural Science Elective Lab 1 <b>Total 16 hours</b>	LGL 3010 Law of Business Associations 3 LGL 3330 Litigation 3 LGL 3350 Alternative Dispute Resolution 3 Legal Specialty Option 3 Multicultural Elective 3 Elective 3 <b>Total 18 hours</b>
<b>Senior Year</b>	LGL 4030 Contract Law 3 LGL 4130 Clinical Experience 3 PHIL 3710 Philosophy of Law 3 Natural Science & Elective 3 Elective 3 <b>Total 15 hours</b>	LGL 4940 Paralegal Internship 3 Legal Specialty Option 3 Legal Specialty Option 3 Legal Specialty Option 3 Elective 3 <b>Total 15 hours</b>

**Post Baccalaureate Certificate in Legal Assisting Degree Requirements**

(American Bar Association Approved Program)

Students should follow and complete the certificate requirements as displayed.

	Fall Semester	Spring Semester
<b>Year One</b>	LGL 1010 Introduction to Law 3 LGL 1720 Law Practice Management 3 LGL 2020 Civil Procedure 3 LGL 2120 Real Estate Transactions 3 LGL xxxx Technical Elective * 3 <b>Total 15 hours</b>	LGL 1150 Tort Law 3 LGL 1160 Legal Research, Wrtg & Case 3 LGL 2110 Estate & Probate Admin. 3 LGL 2940 Legal Assisting Internship ** 3 LGL xxxx Technical Elective * 3 <b>Total 15 hours</b>

\* LGL Technical Electives (choose two from list below)

- LGL 2210 Practices & Procedures in Administrative Law
- LGL 2130 Family Law
- LGL 2700 Advocacy: Mock Trial
- LGL 3010 Law of Business Associations
- LGL 3030 Advanced Legal Research and Writing
- LGL 3050 Bankruptcy Practices & Consumer Applications
- LGL 3330 Litigation
- LGL 3350 Alternative Dispute Resolution

\*\* 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)

Students should follow and complete the certificate requirements as displayed.

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

## College of Health and Human Services Faculty

### Department of Counseling and Mental Health Services

**Paula Dupuy**, 1989, professor

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

**John Lewton**, 1986, professor

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

**Wendy Luellen**, 2002, assistant professor

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

**Nick J. Piazza**, 1986, professor and chair

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

**Robert E. Higgins**, 1963, professor emeritus

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

**Lorean A. Roberts**, 1972, professor emerita

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

**Dan Seemann**, 1962, professor emeritus

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

**Molly Treynor**, 1965, professor emerita

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

**Robert N. Wendt**, 1975, professor emeritus

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

**H. Eugene Wysong**, 1969, professor emeritus

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

### ASSOCIATED FACULTY

**Richard J. Eastop**, 1972

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

### Department of Criminal Justice

**David Baker**, 2000, assistant professor

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**Marion S. Boss**, 1985, 1997, professor and associate dean for research and graduate education - human service

B.F.A., Texas Christian University; M.F.A., Southern Methodist University; Ph.D., University of North Texas

**Michael S. Bryant**, 2002, assistant professor

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**Daniel E. Hall**, 2001, associate professor and chair

B.S., Indiana University; J.D., Washburn University; Ed.D., University of Central Florida

**Morris Jenkins**, 2001, assistant professor

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

**Yung Heock Lee**, 2002, assistant professor

B. Law, National Police University, Korea; M.P.A., Yeon-Sei University; M.S., Michigan State University; Ph.D., Michigan State University

**Paul R. Paquette**, 1993, assistant professor

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

**Michael T. Stevenson**, 1989, assistant professor

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**Lois Ventura**, 2001, assistant professor

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**Jeremy Wilson**, 2002, assistant professor

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**Howard A. Nollenberger**, Ph.D.

**James A. Telb**, Ph.D.

## Department of Health Professions

**Ruth Ankele**, 1988, assistant professor  
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**Celeste Baldwin**, 1998, assistant professor  
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**Craig Black**, 1979, associate professor  
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**Philip Geronimo**, 1982, assistant professor  
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**Josephine Hibbeln**, 1989, associate professor  
R.N., F.N.P.-C., B.S.N., University of Utah; M.S.N., Medical College of Ohio

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**Mira Lessick**, 2001, associate professor  
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## Department of Kinesiology

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**Alan A. Ashby**, 1980, associate professor  
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A&M University

**Leonard O. Greninger**, 1974, professor  
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of Illinois

**Alice McAfee**, 1986, associate professor  
B.S., Allegheny College; M.A. Siena Heights College; Ph.D., University  
of Pittsburgh

**Christine Multer**, 2002, assistant professor  
B.S., M.S., Miami University; Ph.D., Brigham Young University

**Danny Pincivero**, 2001, assistant professor  
B.A., York University; M.Ed., University of Virginia; Ph.D., University  
of Pittsburgh

**Francis X. Pizza**, 1998, associate professor  
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**James M. Rankin**, 1984, associate professor  
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## EMERITUS AND SUPERANNUATE FACULTY

**John N. Drowatzky**, 1965, professor emeritus  
B.S., University of Kansas; M.S., Ed.D., University of Oregon; J.D.,  
The University of Toledo

**P. Brooke Johnson**, 1960, professor emeritus  
B.S., University of Maryland; M.S., Pennsylvania State University;  
Ph.D., Michigan State University

**Donald C. Stolberg**, 1963, professor emeritus  
B.S., Western Michigan University; M.A., Ph.D., Michigan State  
University

## ASSOCIATED FACULTY

**Per Gunnar Brolinson, D.O.**, 1994  
B.A., University of Missouri; D.O., Kirksville College of Osteopathic  
Medicine

**Jennifer Cummings**, 2001  
B.S., University of Missouri

**Catherine L. Hornbeck**, 1983  
B.S., M.S., The Ohio State University

**David M. Huffstetler**, 1984  
B.S., Maryville College; M.S., Indiana University

**Roger J. Kruse**, 1994  
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**Dennis E. Morse**, 1994  
B.A., Hastings College; M.S., Ph.D., University of North Dakota

**Brian Jones**, 1997  
B.A., Ball State University; M.S., Michigan State University

**Doris Woods**, 1978  
B.S., M.S., University of Illinois; Ph.D., The University of Toledo

**Richard A. Yeasting**, 1994  
B.S., Bowling Green State University; Ph.D., University of Louisville

## Department of Military Science — Army ROTC

**Ronald L. Baskin, MSG**, 2000, chief instructor

**Carl Burnside, SFC**, 2002, senior instructor

**Bruce F. Ladman, CPT**, 2000, assistant professor of military science  
B.S., University of Nebraska; M.Ed., University of Georgia

**Mark E. Parsons, CPT**, 2002, assistant professor of military science  
B.S., The Ohio State University

**Geoffrey B. Ovenden, LTC**, 1998, assistant professor of military science  
B.S., Bowdoin College; M.S. Ed., Youngstown State University

## 208 College of Health and Human Services

**Robert L. Schaefer, MAJ**, 2002, professor of military science and chair  
B.A., Bellarmine University; M.S., Troy State University

### Department of Public Health and Rehabilitative Services

**Barbaranne Benjamin**, 1988, professor and associate dean for research and graduate education - health  
B.A., Mansfield State College; M.S., M.A., Ph.D., Pennsylvania State University

**Debra J. Boardley**, 1994, associate professor  
B.S., Youngstown State University; M.H.S., Washington University; Ph.D., University of South Carolina

**Lee Ellis**, 1989, associate professor  
B.A., University of Maine-Portland; M.A., University of Maine - Orono; Ph.D., Ohio University

**Bruce W. Groves**, 1978, associate professor  
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**Timothy R. Jordan**, 2001, assistant professor  
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**Joan N. Kaderavek**, 2000, associate professor  
B.S., Miami University; M.A., The Ohio State University; Ph.D., Bowling Green State University

**Ruthie Kucharewski**, 1998, associate professor  
B.S., Kent State University; M.Ed., The University of Toledo; Ph.D., Bowling Green State University

**Eric L. Longsdorf**, 2001, assistant professor  
B.Ed., M.Ed., Ph.D., The University of Toledo

**Roy H. Olsson Jr.**, 1987, professor and chair  
B.S., M.S., Pittsburg State University; Ph.D., University of Oregon

**Lori A. Pakulski**, 2000, assistant professor  
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**James H. Price**, 1980, professor  
B.S., M.S., Indiana State University; Ph.D., Western Michigan; M.P.H., University of Oklahoma

**Stephen M. Roberts**, 1981, associate professor  
B.P.H.E., M.H.K., University of Windsor; Ph.D., University of Illinois

**Bernard B. Spiegel**, 1984, associate professor  
B.S. Ed., Ohio University; M.A., Syracuse University; Ph.D., The Ohio State University

**Thomas W.R. Tatchell**, 2000, assistant professor  
B.S., M.A., Central Michigan University; Ph.D., University of Utah

**Susan K. Telljohann**, 1987, professor  
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### EMERITUS AND SUPERANNUATE FACULTY

**Gere B. Fulton**, 1971, professor emeritus  
B.S., East Stroudsburg State College; M.A., Ph.D., University of Maryland; J.D., The University of Toledo

**George B. Gilmore**, 1966, professor emeritus  
B.S., Slippery Rock State College; M.Ed., University of Pittsburgh; Ph.D., The University of Toledo

**Lionel R. McIlwain**, 1969, professor emeritus  
Diploma, Sydney Teachers College; B.S., M.S., University of Oregon; Ed.S., The University of Toledo

**Dean F. Miller**, 1970, professor emeritus  
B.S., Wheaton College; M.S., H.S.D., Indiana University

**Steven L. Ranck**, professor emeritus  
B.S., M.Ed., Trinity University; Ph.D., University of New Mexico

### Department of Social Work

**Reva Allen**, 2002, associate professor  
B.A., Baylor University; M.A., University of Chicago; Ph.D., University of Kansas

**David Browning**, 1989, assistant professor  
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**Janice Carson**, 1987, assistant professor  
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**Terry Cluse-Tolar**, 1997, assistant professor and chair  
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**Martha Delgado**, 1996, field coordinator  
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**Mylo Jennings**, 2000, assistant professor  
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**Edward Suh**, 2002, associate professor  
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**Celia Williamson**, 2000, assistant professor  
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**EMERITUS AND SUPERANNUATE FACULTY**

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**Jeanne E. Mazan**

**Carolyn Miller**

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**Bradene Moore**, 1990, associate professor

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