

THE COLLEGE OF PROFESSIONAL STUDIES

DEPARTMENTS

Communication, Nursing and Health Professions; Social Work and Human Services; Technology

CONTACTING THE COLLEGE

The College of Professional Studies is located in AHC 215 and may be reached during business hours by telephone at 859-572-5568, or by facsimile at 859-572-6176. Interested persons are invited to browse the college's web site at www.nku.edu/~cps.

Mr. J. Patrick Moynahan, <i>dean</i>	moynahan@nku.edu
Mr. Gary Scott, <i>associate dean</i>	scottg@nku.edu
Dr. Ann Dollins, <i>assistant dean</i>	dollinsa@nku.edu
Ms. Michelle Heatherton, <i>master adviser/lecturer</i>	heathertonm@nku.edu
Ms. Brenda Jenkins, <i>administrative assistant</i>	jenkins@nku.edu
Ms. Judy Teegarden, <i>assistant</i>	teegarden@nku.edu

PROGRAMS OFFERED BY THE COLLEGE OF PROFESSIONAL STUDIES

Associate Degrees

Applied Science

Aviation Administration	Radiologic Technology
Construction Technology	Respiratory Care
Human Services	

Bachelor's Degrees

Bachelor of Science

Business Education (teaching)	Industrial and Labor
Business Education/Organizational	Relations
Systems Technology	Industrial Education
—Non-Teaching Track	Mechanical/ Manufacturing
Construction Management	Engineering Technology
Computer & Electronics	Mental Health/Human
Engineering Technology	Services

Bachelor of Arts

Journalism
Speech Communication
Radio/Television
Organizational Leadership
Public Relations

Bachelor of Social Work

Bachelor of Science in Nursing

Traditional Four-Year Nursing Program
Advanced Placement Program for Registered Nurses
Accelerated Program

Minors

Electronics Technology	Organizational Systems
Industrial & Labor Relations	Technology
Industrial Technology	Popular Culture Studies
Journalism	Radio/Television
Mental Health/Human	Social Justice
Services	Speech Communication

Certificates

Architectural Drafting
Leadership Development

Organizational Systems Technology
Social Justice

Graduate Programs (see *Graduate Catalog* for information)

Master of Science in Nursing

Nursing Administration
Primary Care Nurse Practitioner

Master of Science in Technology

Industrial and Engineering Systems
Technology Management
Quality Assurance

Academic units in the College of Professional Studies prepare students for a variety of high-demand, professional careers in communication, nursing, technology, allied health, human services, and social work. The goal of the College is to offer curricula that provide professional preparation and give students the opportunity to acquire knowledge and skills necessary to assume positions in professional fields.

The College offers academic degree programs at both the undergraduate and graduate levels, including two master's, fifteen bachelor's, and five associate degrees. Nationally accredited professional programs include a solid foundation of study in liberal arts and sciences. In addition to their coursework, students receive field experiences linking the classroom to the working world. Students are exposed to the principles of career development, leadership, and professional ethics.

Through programs in nursing, radiologic technology, respiratory care, human services, and social work, students are prepared for careers in health and human services and for staff positions in hospitals, clinics, rehabilitation centers, and service agencies.

Preparation for careers in industry and business is provided by the Department of Technology. Graduates assume positions in construction, manufacturing, electronics and engineering technology, labor relations, organizational leadership, aviation, and organizational systems. Professional careers in print journalism, radio and television, and public relations are typical goals for graduates of the Department of Communication. Associate degree graduates in aviation administration, in partnership with the Department of Technology, are prepared for entry-level positions for airlines, major airports, government aviation agencies, and travel bureaus.

In addition to classroom instruction, most programs in the College offer practicum and internship opportunities. These programs are intended to give students supervised work experience in the discipline prior to graduation. Such experiences are considered an important supplement to knowledge received in the classroom and a valuable part of students' education. Because the talents and individual characteristics required for success in the various disciplines vary, some departments have established selective admission requirements. Interested students should refer to the information provided below under the appropriate department heading.

COLLEGE ACCREDITATION/AFFILIATIONS

Accreditation Board for Engineering & Technology
Council for Standards in Human Service Education
Council on Social Work Education
Joint Review Committee on Education in Radiologic Technology
Committee on Accreditation for Respiratory Care
National Association for Business Teacher Education
National League for Nursing Accreditation Commission
TAC/ABET

COLLEGE-WIDE PRE-MAJOR AND SELECTIVE ADMISSION REQUIREMENTS

See individual departments section for specific admission requirements.

COLLEGE-WIDE GRADUATION REQUIREMENTS

See individual departments section for specific admission requirements.

STUDENT PROFESSIONAL ASSOCIATIONS/ ORGANIZATIONS

- Alpha Delta Omega - National Honor Society-- (Mental Health/ Human Services)
- Construction Technology Association
- Kentucky Association of Nursing Students
- Radiologic Technology Student Club
- Society for Human Resource Management
- Society Manufacturing Engineering
- Speech Communication Club

Student Social Work Club

UNDECLARED STUDENTS—COLLEGE OF PROFESSIONAL STUDIES

Michelle Heatherton, Master adviser/Lecturer
859-572-5839
heathertonm@nku.edu

In an effort to better serve the needs of undeclared students, Northern Kentucky University has established new major codes. Students who are interested in one or more of CPS's academic units can now choose to be undeclared within the College of Professional Studies until they decide on a specific major. If students are interested in pursuing bachelor's degrees within the College, they can select the major code of "PS UNDB"; if they want to obtain associate's degrees, then they can choose "PS UNDA." The introduction of the college-specific, undeclared major codes allows students to receive more accessible and personalized academic advising from an individual who is familiar with the College's programs and admission requirements.

Communication Department

FACULTY

James Gaut Ragsdale, *chair*
Stephen D. Boyd, Mary Carmen Cupito, Wendy Falato, Zachary Hart, Russell A. Jenisch, Yasue Kuwahara, Robert W. Mullen (emeritus) Russell F. Proctor II, Vicki Abney Ragsdale, Bradford W. Scharlott, Cady Short-Thompson, Karen P. Slawter, Christopher L. Strobel, Penelope B. Summers, Ann M. Taylor, David S. Thomson, Michael L. Turney, Steven M. Weiss.

CONTACTING THE DEPARTMENT

The Department of Communication is located in LA 134 and may be reached during business hours by phone at 859-572-5435. Visit the department's website at <http://www.nku.edu/~communicate>.

James Gaut Ragsdale, *chair* ragsdale@nku.edu

PROGRAMS OFFERED

Bachelor of Arts

- Journalism
- Radio/Television
- Speech Communication
- Public Relations

Minors

- Journalism
- Radio/Television
- Speech Communication
- Popular Culture Studies

GENERAL EDUCATION COURSES OFFERED

- RTV 105 Race, Gender, and the Mass Media
- RTV 205 Introduction to Popular Culture and the Mass Media
- SPE 101 Principles of Speech Communication

PRE-MAJOR AND SELECTIVE ADMISSION REQUIREMENTS

- See Speech Communication
- See Journalism

COMMUNICATION

The faculty of the Department of Communication fosters an integrated approach to the study and practice of communication and emphasizes the fundamental role that communication plays in virtually all human endeavors. With offerings that encompass journalism, public relations, radio/television, and speech communication, the department stresses an academic and applied focus among the various communication specialties.

Communication courses offer students basic and advanced skills in written, spoken, and audiovisual communication. They also promote an understanding of the history, philosophy, and theories of interpersonal and mass communication as well as an awareness of the personal, social, psychological, and cultural impacts of communication. Whatever their specific focus—news writing, public speaking, communication law, criticism, production, or communication theory—the department's courses emphasize situational analysis, issue identification, problem-solving, message construction, and effective presentation.

The Department of Communication offers majors in journalism, public relations, radio/television, and speech communication for students who aspire to careers as professional communicators in fields such as newspaper journalism, magazine publishing, radio and television production, broadcast news, advertising and public relations, educational media, organizational communication, and teaching. Minors are offered in journalism, radio/television, speech communication, and popular culture. The department also offers students a wide range of courses that enhance their communicative abilities and support their interests and studies in other disciplines.

The major in public relations offers students a program of interdisciplinary study leading to career opportunities in public relations. The major has an academic and applied orientation and consequently students learn principles and engage in practices that prepare them for entry-level positions in public relations.

The major in journalism is for students interested in writing for newspapers, magazines, and electronic media. It offers a broad base of coursework designed to convey an understanding of the total mass media system coupled with an area of specialization.

The major in radio/television is for students planning careers in telecommunications. It encompasses performance, production, script writing, sales and advertising, management, and engineering. It also provides a firm foundation for graduate study in mass communication fields.

The major in speech communication provides a firm foundation for careers or graduate study in many fields. Among the most popular are management, education, sales, human resources, organizational communication, law, and training and development.

JOURNALISM

The journalism major is designed to provide students with fundamental skills and legal and ethical backgrounds in journalism and related fields.



JOU 230 Newswriting II	3
JOU 385 Law of Mass Communication	3
JOU 440 Ethics	3

Plus two elective Journalism courses at the 300-level or above, for a total of 21 hours for the minor.

Students must have either a grade-point average of at least 2.5 in the journalism minor or no grade lower than a C in any course required for the minor.

PUBLIC RELATIONS

The public relations program offers students a program of interdisciplinary study leading to career opportunities in public relations. The major has an academic and applied orientation, and, consequently, students learn principles and engage in practices that prepare them for entry-level positions in public relations.

The Major in Public Relations

JOU 100/RTV 100 Contemporary Mass Media	3
SPE 220 Interpersonal Communication	3
MGT 205 Intro to Business and Management or SPE 303 Organizational Communication	3
PRE 375 Principles of Public Relations	3
JOU 385 Law of Mass Communication	3
MKT 305 Principles of Marketing or RTV 308 Broadcast Sales & Advertising	3
SPE 340 Strategies of Persuasion or JOU 370 Advertising	3
JOU 130 Newswriting or RTV 265 Broadcast News Writing	3
PRE 376 Public Relations Writing or ENG 340 Business Writing or JOU 346 Copy Editing and Layout or ENG 391 Persuasive Writing	3
JOU 321 Publication Skills or PRE 410 Electronic Public Relations or SPE 370 Advanced Public Speaking	3
JOU 492 Mass Communications Research Methods	3
PRE 377 Public Relations Case Studies and Campaigns	3

One course from:

Applied Experiential Credit via a PRE 396 Public Relations Internship (1-3 credit hours, with a 1 hour prerequisite in a practicum) or PRE 499 Independent Study: Public Relations or PRE 296 Public Relations Practicum	3 3 3 <u>1-3</u>
Total	39-41

Program Requirements

- Students must have an ACT English score or an ACT composite score of 20 or higher (or the equivalent on a comparable test) before they may enroll in JOU 130 Newswriting I, which is a required course.
- To graduate students must have either a grade-point of 2.5 or higher in courses required for the major or no grade lower than a C in any course required for the major.
- Students majoring in journalism may not receive credit for more than 45 semester hours in JOU courses or their cross-listed equivalents. They must satisfy the oral communication requirement of general education by taking SPE 101.

Bachelor of Arts in Journalism

Requirements for the major in Journalism are:

JOU 100/RTV 100 Contemporary Mass Media	3
JOU 130 Newswriting I	3
JOU 230 Newswriting II	3
JOU 296 Practicum	1
JOU 321 Publication Skills	4
JOU 346 Editing and Layout	4
JOU 385 Law of Mass Communications	3
JOU 396 Internship or JOU 297 Advanced Practicum	1-3
JOU 440 Ethics and Media	3
JOU 492 Mass Media Research Methods	3

Plus two elective courses at the 300-level or above from the Communication Department.

Total	35-36
--------------	--------------

*The total hours for JOU 296, JOU 297, JOU 396 must be at least 3 but may not exceed 6.

The Minor in Journalism

Requirements for the minor in journalism are:

JOU 100 Contemporary Mass Media	3
JOU 130 Newswriting I	3

RADIO/TELEVISION

The radio/television program is designed to provide a wide liberal arts background in telecommunications that prepares students for a career in media or for graduate studies. The program offers a variety of courses that will develop the necessary skills and knowledge in the areas of (1) production, (2) management, (3) broadcast journalism, (4) media performance, (5) electronics, and (6) popular culture.

Program Requirements

The requirement for a radio/television major consists of eleven core courses and the courses listed in one of the sequences. When students declare a radio/television major, they should also choose to enter one of the eight sequences offered in: (1) Video Production, (2) Audio Production, (3) Media Performance, (4) Media Management, (5) Broadcast Journalism, (6) Visual Communications, (7) Electronics Technology, and (8) Telecommunication Studies.

To be considered for graduation, students must complete a minor in consultation with their major adviser. Some sequences require specific minors. Students must also receive a C or better in all required courses in the major.

RTV 260 and 265 require a minimum English ACT score of 20 for entrance.

The Major in Radio/Television

I. Core Courses

The core courses encompass five areas fundamental to the diverse field of telecommunications: writing, media and society, production, critical thinking and theory, and law and management.

RTV 100 Contemporary Mass Media (or JOU 100 Contemporary Mass Media)	3
RTV 110 Introduction to Telecommunications	3
RTV 215 Radio Production	3
RTV 205 Introduction to Popular Culture	3
RTV 210 Television Production I: Basic Production	3
RTV 215 Radio Production	3
RTV 260 Broadcast Writing or RTV 265 Broadcast News Writing	3
RTV 307 Broadcast Programming (or RTV 308 Broadcast Sales & Advertising or RTV 309 Broadcast Promotion)	3
RTV 400 Broadcast Criticism	3
RTV 430 Communication Theory (or SPE 430 Communication Theory)	3
JOU 385 Law of Mass Communications	3
SPE 220 Interpersonal Communication	3
Core Total	33

2. One of the following sequences

Video Production Sequence

RTV 305 Television Production II: Studio Production	3
RTV 310 Advanced News Production	3
RTV 450 Advanced Broadcast Writing (or RTV 265 Broadcast News Writing with RTV 260 in the core)	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Related Elective (Selected in consultations with adviser)	3
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

Audio Production Sequence

RTV 230 Broadcast Announcing	3
RTV 320 Advanced Audio Production	3
RTV 450 Advanced Broadcast Writing (or RTV 265 Broadcast News Writing with RTV 260 in the core)	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Related Elective (Selected in consultation with adviser)	3
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

Media Performance Sequence

RTV 230 Broadcast Announcing	3
RTV 315 Television Performance	3
RTV 325 Advanced Television Performance	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Related Elective (Selected in consultation with adviser)	3
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

Media Management Sequence

RTV 307* Broadcast Programming	3
RTV 308* Broadcast Sales and Advertising	3
RTV 309* Broadcast Promotions	3
RTV 460 Broadcast Management	3

SPE 303 Organizational Communication	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Total Track	15
Total - RTV Major	48

+ minor (in business administration, economics, finance, information systems, journalism, speech, management, or marketing)

*One of these courses is required in the core. The other two must be taken as part of the sequence.

Broadcast Journalism Sequence

RTV 310 Advanced News Production	3
RTV 361 Advanced Broadcast News Writing	3
RTV 365 Interviewing (or SPE 360 or Journalism 360)	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Related Elective (Selected in consultation with adviser)	3
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

Visual Communication Sequence

JOU 321 Publication Skills	4
JOU 390 Digital Photography	3
RTV 422 Avid Editing	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Related Elective (Selected in consultation with adviser)	2
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

NOTE: JOU 321 is a 4-hour course. Students in this sequence can complete a 2-hour applied course.

Electronics Technology Sequence

RTV 305 Television Production II: Studio Production	3
RTV 320 Advanced Audio Production	3
RTV 460 Broadcast Management	3
MAT 118 Technical Mathematics	3
Applied RTV Course (Internship, practicum, special project, etc.)	3
Total Track	15
Total - RTV Major	48

+ electronics technology minor

Telecommunication Studies Sequence

RTV 105 Race, Gender, and the Mass Media	3
RTV 311 History of Broadcasting (or JOU 421 History of Mass Communication)	3
RTV 370 International Media Systems (or SPE 355 Cross-Cultural Communications)	3
RTV 394 Special Topics in Popular Culture (or RTV 499 Independent Study)	3
Related Elective (Selected in consultation with adviser)	3
Total Track	15
Total - RTV Major	48

+ minor (selected in consultation with student's adviser)

The Minor in Radio/Television

Students who wish a minor in radio/television must arrange specific details of the requirements with a radio/television faculty adviser.

The requirements for a minor in radio/television are:

RTV 100 Contemporary Mass Media (or JOU 100)	3
RTV 110 Introduction to Telecommunications	3
RTV 215 Radio Production	3

RTV 210 Television Production I: Basic Production	3
Electives - four RTV electives chosen in consultation with RTV adviser	<u>12</u>
Total Hours Required	24

ENG 365 American Folklore or HIS 390 History and Film
RTV 499 Independent Study in Popular Culture

Electives (9 credit hours)

*take one course from at least **two** of the following five categories

*credit hours must be taken at 300-level and above

American Culture and Society

ENG 353 Contemporary American Novel
ENG 370 Focus on United States Civilization
HIS 314 Rise of the Industrial United State, 1865-1990
HIS 315 Modern United States History, 1900-1939
HIS 316 Modern United States History Since 1939
HIS 454 Early American Frontier
HIS 455 Later American Frontier
EDU 316 Racism and Sexism in Educational Institutions
JOU 421 History of Mass Communication *or*
RTV 311 History of Broadcasting
JOU 440 Ethics Issues and Media
JUS 101 Introduction to Criminal Justice
JUS 231 Race, Gender and the Law
PSC 319 Presidential Elections
RTV 105 Race, Gender, and the Mass Media
SOC 307 Social Stratification

Subgroups (Regional Cultures/Diversity/Ethnic Groups) in America

AFR 100 Introduction to Afro-American Studies
ANT 231 Modern American Indians
ENG 210 Survey of African American Literature
ENG 305 American Women Writers
ENG 354 Southern Women Writers
ENG 355 Women's Autobiographical Writing
ENG 367 Topics in African American Literature
GEO 302 Cultural Geography
GEO 309 Historical Geography of the United States
HIS 317 History of the New South
HIS 431 Historical Themes in African-American History
HIS 444 History of Women in the United States to 1900
HIS 445 History of Women in the United States since 1900
HIS 541 History of Kentucky
PSC 328 State and Urban Problems
PSY 201 Psychology of Race and Gender *or*
PSY 308 Psychology of Gender
SOC 250 Women in Society *or*
WMS 150 Introduction to Women's Studies
SOC 300 Race and Ethnic Relations
SPI 311 Spanish-American Culture and Civilization
WMS 310 Women, Wages, and Work

International Perspective

ANT 240 Peoples of Africa
ANT 245 Peoples of Latin America
ANT 360 Indians of Mexico and Guatemala
ANT 362 Japanese Culture and Society
ECO 344 Comparative Economic Systems
FRE 310 French Culture and Society Today
FRE 311 French Cultural History
GER 310 Contemporary German Life
GER 311 German Cultural History
HIS 325 Early Latin American History
HIS 326 Recent Latin American History
HIS 329 History of the Middle East
HIS 413 History of Nazi German
HIS 473 Battles and Behavior I
HIS 474 Battles and Behavior II
HIS 565 Vietnam War
SOC 301 World Patterns or Race and Ethnicity
SPE 355 Cross-Cultural Communication

Students must receive a C or better in any RTV courses taken to fulfill the requirements of the minor.

Note: Elective courses may only be used to satisfy one major/minor requirement. This may apply to general education as well. No "double dipping" is allowed, except in those situations where a course is required in both the major and minor. For example, a student in the video production sequence may not use RTV 265 to satisfy the core requirement and sequence requirement. A student may not take SPE 360 for his major sequence requirement and as an elective as a speech minor. An RTV major/minor cannot use RTV 105 to satisfy a requirement in a sequence and as a general education requirement. JOU 385 may be used as a major and minor requirement (RTV major/JOU minor), as both are required courses in each discipline. RTV 205 *may* be used for major and general education.

POPULAR CULTURE STUDIES

Offered by the Department of Communication, the minor in Popular Culture Studies offers students an opportunity to explore their cultural environment by examining aspects of cultural artifacts and events and relating them to their specific interests. The interdisciplinary program seeks to broaden the base of a student's college education by using the courses of several disciplines to provide a wide, comprehensive approach to knowledge. The program is designed to equip the student with tools to analyze the world from the standpoint of popular culture. Students will gain familiarity with such concepts as the meaning of beliefs and the significance of icons, heroes, rituals, stereotypes, popular art, and relate those ideas to specific topical interests of their choice.

The program consists of 21 credit hours, including specific popular culture courses and courses taken from the various departments of the university. In consultation with an adviser, students will identify a particular topic of concentration or theme and then select courses from a variety of course offerings. The courses chosen must relate to a particular topic or theme. Twelve (12) of these hours are required courses: RTV 205, JOU/RTV 100, ENG 365, and RTV 498. The required courses will assist students in understanding the differences as well as the fluid relationships between folk, popular, and elite culture. All students must complete the required introductory course (RTV 205), which introduces them to the field of popular culture studies, including its major areas. Since the mass media are the chief disseminators of popular culture, students are required to take JOU/RTV 100, which examines the roles of functions of mass media in today's society. Students then must take either American Folklore (ENG 365) or History and Film (HIS 390), depending on their interests. An additional 9 semester hours of elective courses are chosen by the student and adviser based on the student's topic of concentration. To finish the required coursework for the minor, all students must complete an independent study (RTV 495), which gives them the chance to read and discuss topics of interest and which will culminate their coursework as a capstone experience.

Due to the unusual nature of the program, the student-adviser relationship is very important. Only through careful consultation can an individual program be worked out which will satisfy the needs of the student and at the same time meet the requirements of the program. Students interested in the minor must meet the program director prior to declaring the minor in order to discuss their interest and establish their individual programs and rationale for course selection.

Popular Culture Studies Minor Program Requirements (21 credit hours are required)

Required Courses (12 credit hours)

RTV 205 Introduction to Popular Culture
JOU/RTV 100 Contemporary Mass Media

SPE 310 Spanish Culture and Civilization

Traditional Arts and Humanities

ART 102 Survey of Western Art II
 ART 103 Survey of Western Art III
 ART 321 History of Design
 ARTP 290 Basic Photography
 DAN 427 Dance History
 ENG 202 Survey of British Literature I
 ENG 203 Survey of British Literature II
 ENG 208 Survey of American Literature I
 ENG 209 Survey of American Literature II
 ENG 215 Greek and Roman Mythology
 ENG 266 Folklore and Literature
 ENG 302 Literature and Film
 ENG 315 The Bible as Literature
 ENG 386 Children's Literature
 HIS 421 Cultural and Intellectual History of the U.S. to 1865
 MUS 110 Appreciation of Jazz
 RTV 380 Documentary Theory and History
 RTV 400 Broadcast Criticism
 TAR 455 Musical Theater Literature II

Social and Behavioral Sciences

ANT 275 Language and Culture
 ANT 320 Religion and Culture
 ANT 358 Anthropology and the Arts
 ECO 320 History of Economic Thought
 HSR 314 Death, Dying, and Grief
 JOU 370 Principles of Advertising *or*
 MKT 308 Advertising and Promotion
 PRE 375 Principles of Public Relations
 MKT 320 Consumer Behavior *or*
 PSY 304 Consumer Psychology
 PSY 205 Psychology of Human Sexuality
 PSY 340 Social Psychology *or*
 SOC 303 Social Psychology
 PSY 345 Human Factors Psychology *or*
 PSY 348 Environmental Psychology
 SOC 205 Current Social Issues
 SOC 213 Sociology of Aging
 SOC 308 Social Organization
 SOC 315 Marriage and the Family
 SOC 400 Urban Society

*Topics courses, i.e., ENG 351 Nineteenth Century American Literature, ENG 397 Special Topics in American Literature, MKT 394: Topics: Marketing Issues, RTV 395 Special Topics in Popular Culture and SOC 300 Topics in Sociology, may be taken and applied toward the minor upon prior approval of the program director.

*Students who wish to substitute a course not listed above for an elective course must obtain prior approval of the program director.

*Students cannot count the courses required for their majors as the elective courses for the minor.

--To satisfy the requirements for a minor in Popular Culture Studies, students must maintain a grade-point average (GPA) of 2.00 or better and earn at least a *C* in required courses.

SPEECH COMMUNICATION

The speech communication program provides (1) a strong general background in practice, theory, history, and criticism of communicative acts; (2) opportunities for students to improve their communication skills; (3) a variety of courses to enrich the programs of students in other disciplines; (4) training for students who plan to enter professional fields such as public relations, human resources, sales, training/development, law,

ministry, teaching, business, and politics; and (5) a background for graduate study in speech communication or related fields.

PRE-MAJOR REQUIREMENT FOR SPEECH COMMUNICATION

Prospective SPE majors must have a minimum cumulative GPA of 2.50 after 45 credit hours of coursework before they will be admitted to the major. Those 45 hours must include SPE 101 and SPE 220.

The Major in Speech Communication

Students majoring in speech communication must satisfactorily complete 39 credit hours of study as outlined below, must earn a grade of *C* or better in each of these 39 semester hours of study, and must take SPE 101 as part of their general education requirements.

1. *Core courses*

SPE 220 Interpersonal Communication	3
SPE 230 Small Group Communication	3
SPE 303 Organizational Communication	3
SPE 340 Strategies of Persuasion <i>or</i>	
SPE 310 Argumentation	3
SPE 370 Advanced Public Speaking	3
SPE 390 Cross-Cultural Communication	3
SPE 430 Communication Theories <i>or</i>	
SPE 410 Rhetorical Theories	3
Total Core	21

2. *Elective Courses (12 semester hours)*

Students majoring in speech communication must take 12 semester hours of elective courses selected in consultation with their adviser. Up to six of these semester hours may be taken in JOU, PRE, and/or RTV courses; otherwise, all elective credit must be in SPE courses. Courses taken for general education credit may not be used as elective courses for the major.

3. *Writing Course (3 semester hours)*

One writing-intensive course must be taken from the list below. Other writing-intensive courses may be substituted if approved by the SPE faculty. **Students may not use the writing course for the SPE major to complete requirements for their minor, area of concentration, or second major.** Prerequisites may be required for some of these courses; please consult catalog.

ENG 340 Business Writing (3)
ENG 391 Persuasive Writing (3)
JOU 130 Newswriting I (3)
OST 311 Written Communication Systems (3)
RTV 260 Broadcast Writing (3)

4. *Computer Course (3 semester hours)*

One computer-intensive course must be taken from the list below. Other computer-intensive courses may be substituted if approved by the SPE faculty. **Students may not use the computer course for the SPE major to complete requirements for their minor, area of concentration, or second major.** Prerequisites may be required for some of these courses; please consult catalog.

CSC 150 Computer Concepts and Applications (3)
IFS 105 Introduction to Business Computing (3)
JOU 321 Publication Skills (3)
OST 325 Electronic Publishing/Presentation Technologies (3)

Total - SPE Major 39

The Minor in Speech Communication

SPE minors must earn a grade of *C* or better in 21 semester hours of study in SPE courses, including SPE 220 (Interpersonal Communication). SPE minors must take SPE 101 as part of their general education requirements.

Nursing and Health Professions Department

FACULTY

Margaret M. Anderson, *chair*

Louise M. Niemer, *director, bachelor of science in nursing program*

Carrie A. McCoy, *director, accelerated bachelor of science in nursing program*

Ann Keller, *director, bachelor of science in nursing for registered nurses program*

Denise Robinson, *director, master of science in nursing program*

Trina L. Koscielicki, *director, radiologic technology*

Robert A. Langenderfer, *director, respiratory care*

NURSING FACULTY

Nancy Brashear, Joy A. Churchill, Marian Cummins, Adele Dean, Ann Dollins, Judi Frerick, Mary A. Gers, Virginia Hedger, Beth Hickey, Dana Hickman, Ann Schmidt Luggen, Caron Martin, Cheryl L. McKenzie, Sara Mohn, Judy Niemi, Kris Pfenndt, JoAnn Randolph, Erin Robinson, Sandra Turkelson

RADIOLOGIC TECHNOLOGY FACULTY

Cindy Conway, Andrea J. Cornuelle, Diane H. Gronefeld

RESPIRATORY CARE FACULTY

Debra K. Kasel

CONTACTING THE DEPARTMENT

The Department of Nursing and Health Professions is located in AHC 303 and may be reached during business hours by phone at 859-572-5248. Visit the department's website at <http://www.nku.edu/~nursing>.

Dr. Margaret M. Anderson, *chair* andersonm@nku.edu

PROGRAMS OFFERED BY THE DEPARTMENT

The Department of Nursing and Health Professions offers two degree programs preparing men and women for two levels of nursing practice: the Bachelor of Science in Nursing, and the Master of Science in Nursing. The Bachelor of Science is offered as a traditional four-year program, an advanced placement program for registered nurses, and an accelerated program for students holding a baccalaureate degree in a different field. The department also offers the Associate of Applied Science in Respiratory Care and Radiologic Technology.

DEPARTMENT POLICIES

The department reserves the right to change the program of study as needed to fulfill state approval and national certification. These include: National League for Nursing Accrediting Commission (NLNAC) 61 Broadway, New York, NY 10006, Kentucky Board of Nursing, Joint Review Committee on Education in Radiologic Technology (JRCERT), the Committee for Accreditation for Respiratory Care (COARC), and/or University requirements.

BACCALAUREATE DEGREE PROGRAMS IN NURSING

Traditional Four-Year Baccalaureate Nursing Degree Program

The curriculum of the baccalaureate degree program (BSN) is based on concepts and theories of nursing, liberal arts, and the sciences. The nursing process is incorporated throughout the curriculum. Carefully planned clinical experiences are an integral part of each nursing course, beginning in the second semester and continuing throughout the four years.

Hospitals and health care agencies in northern Kentucky and greater Cincinnati serve as clinical practice settings during day and evening hours.

Graduates of the program are prepared to function as a provider of care, a manager of care, and a member of the discipline of nursing. They use critical thinking, communication, and technical skills in providing care to individuals and families. Knowledge is specific and factual and can be applied directly to practice.

Graduates are awarded the degree of Bachelor of Science in Nursing and are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) and to continue their education at the masters and doctoral levels.

Accreditation

The program is approved by the Kentucky Board of Nursing, Suite 300, 312 Whittington Parkway, Louisville, KY 40222-5172; phone 502-329-7000 and is accredited by the National League for Nursing Accreditation Commission (NLNAC), 61 Broadway, New York, NY 10006; phone 212-363-5555.

Applicants please note: The Kentucky Board of Nursing has regulations regarding previous felony and misdemeanor convictions that must be addressed prior to sitting for the licensure examination.

Pre-Major and Selective Admission Requirements

Upon completion of all required developmental coursework students enrolled in the University may declare the pre-nursing baccalaureate as their major. Students majoring in pre-nursing will be advised by a member of the nursing faculty to help them develop a plan for nursing education at Northern. Pre-nursing students may enroll in courses that fulfill pre-admission requirements and general education and/or in support courses required for the baccalaureate degree nursing program. However, students must be admitted to the nursing program in order to take courses in nursing. Students enrolled in courses as a pre-nursing major should declare (XNRS) as their major.

Admission Requirements

Admission to the baccalaureate degree program is selective. Applicants who meet minimum requirements for admission will be admitted to an applicant pool until January 31st. After this date, applicants with the highest qualifications will be given priority consideration for admission to the BSN program. Applications submitted after January 31st will be considered on a space-available basis or applied to the following academic year candidate pool.

Applicants wishing to be *considered* for admission must

1. be admitted to Northern Kentucky University; any restrictions or stipulations must be removed;
2. submit a baccalaureate degree nursing program application (this is in addition to the University application);
3. submit official transcripts indicating completion of high school, or equivalent GED);
4. submit evidence of completion of high school biology and chemistry (or college equivalent) with a grade of C or better;
5. meet University pre-college requirements;
6. submit transcripts of all prior college work and nursing courses taken (including practical nursing school), if applicable;
7. achieve a minimum composite of 20 on the American College Test or a college/university grade-point average (GPA) of at least 2.5 for a minimum of 24 semester hours completed at an accredited institution;
8. submit evidence of a cumulative grade-point average (GPA) of at least 2.5 for all college/university courses completed.

Other Relevant Admission Considerations

Post-bachelor's degree applicants must meet requirements 1, 2, 4 and 6, above. A license in practical nursing meets the high school biology requirements.

Previously earned college credits for the science courses required for the nursing program, i.e., BIO 202-202L, 208-208L, 209-209L, and CHE 115-115L, will be accepted only if completed with a grade of C or better within eight years prior to the date of admission to this program.

The American College Test (ACT) is required for those applicants with fewer than 24 semester hours from an accredited institution.

All applicants transferring from a non-accredited institution are required to take the American College Test (ACT).

A personal interview may be requested by the Nursing Admissions/Readmissions Committee.

Admitted students must

1. maintain the GPA originally required for admission;
2. submit a completed health form and immunization record prior to beginning clinical courses;
3. provide proof of CPR certification prior to beginning clinical courses;
4. purchase professional liability insurance through Northern Kentucky University (paid with tuition);
5. purchase appropriate uniforms prior to the first day of clinicals;
6. provide own transportation to clinical agencies;
7. provide proof of health insurance coverage or sign a health insurance waiver.

Transfer Students

Students previously enrolled in another NLNAC accredited program in nursing may be eligible to transfer into the nursing program at Northern.

In addition to the requirements listed above, the following apply to all transfer students:

1. Transfer students are considered on a space-available basis. Eligibility is determined by the Nursing Admission/Readmission/Promotion & Graduation Committee.
2. The following must be submitted:
 - a. A letter from the director of the previous program attended explaining the reasons for withdrawal.
 - b. Official transcripts of all college work attempted.
 - c. Syllabi of all nursing courses taken.
3. An interview may be requested, by APG Committee.
4. Students requesting advanced placement in the nursing program may be required to pass a simulated clinical performance and dosage computation examination. In addition, a written theory examination may be required.
5. The last 30 semester hours of the major must be completed at Northern Kentucky University.

Advanced Standing for Licensed Practical Nurses

Application may be made for advanced standing in the baccalaureate degree program by licensed practical nurses who have been accepted into the program.

The licensed practical nurse must have completed a practical nursing program within the past four years or be actively employed as a LPN.

Testing dates for advanced standing may be obtained by contacting the Department. An advanced standing examination may be taken only once.

All students are required to complete the last 30 semester hours of the major at Northern Kentucky University.

Progression

Students wishing to pursue the baccalaureate degree program may take the general education support courses required prior to admission to the program. However, students must be admitted to the baccalaureate degree nursing program in order to take courses in nursing.

Upon matriculation into the baccalaureate degree program, students must take the last 30 semester hours at NKU.

Students are required to complete the nursing program within eight years of the first date of admission to the program.

To continue in the nursing program, students must maintain a grade-point average of at least 2.00 and achieve a grade of C or higher in all required nursing, biology, and chemistry courses.

Students withdrawing from the nursing program for any reason must have an exit interview with the program director and/or faculty adviser, and must complete and sign a withdrawal form.

Students may repeat only one semester of nursing. If a component or components of a clinical nursing course is repeated, all components of the course must be taken together.

Students may repeat only one semester of science courses.

Students may be eligible to apply to the Kentucky Board of Nursing for NCLEX testing following successful completion of the 3rd year of the BSN program. Criteria are described in the BSN Student Handbook.

Readmission

Applications for readmission to the nursing program will be considered on an individual basis. Students must submit an application for readmission to the Admissions, Progression, and Graduation Committee. A letter supporting the request for readmission must be attached to the application. This letter should outline strategies for success in the program.

Students applying for readmission may be required to have an interview with the program director and/or faculty adviser. Application forms are available from the Office of Admissions. Application must be made by 31 January for fall semester and 1 October for spring semester.

To be considered for readmission, a student reapplying to the baccalaureate degree program must have a grade-point average of 2.00 or better and be able to complete the program of study within eight years of the initial entry into the nursing program.

The faculty may state that written, specific conditions be met by the student when recommended for readmission.

Students may repeat only one semester of nursing. If a component or components of a clinical nursing course is repeated, all components of the course must be repeated together.

A student who did not successfully complete the first semester of the nursing program must apply as a new student and meet all requirements listed under "Admission Requirements."

Students who have been dismissed from the nursing program are not eligible for readmission (see Baccalaureate Degree Nursing Program Student Handbook).

Students readmitted to the program are subject to the requirements of the catalog in effect for all nursing courses at the time of re-entry.

Student Advising

Upon admission to the nursing program, students are assigned to a faculty academic adviser and are required to meet with this adviser at least once each semester. Students are encouraged to maintain regular contact their adviser so that progress and performance can be discussed and counseling provided as necessary.

Program of Study

Students must fulfill all requirements for the baccalaureate degree program, including required general education courses, support courses, and nursing courses.

General Education Courses (33 semester hours)

ENG 101 College Writing	3
ENG 291 Advanced College Writing	3
SPE 101 Principles of Speech Communications	3
Literature Elective	3
History Elective	3
Social Science Elective	3
Humanities Elective	6
Race and Gender Elective	3
Non Western Elective	3
300-level Elective	3

Support Courses (31 semester hours)

BIO 208/208L Human Anatomy & Physiology I	4
BIO 209/209L Human Anatomy & Physiology II	4
BIO 202-202L Microbiology for the Health Professions	4
BIO 126 Human Nutrition	3
CHE 115/115L Physiological Chemistry	4
PHI 220 Health Care Ethics	3
PSY 220 Life Span Development	3

PSY 100 Into to Psychology	3
MAT 205 Introduction to Statistical Methods	3

The sequential progression of the BSN program requires that the above general education and support course requirements be taken as prerequisites or corequisites to designated nursing courses.

Nursing Course Requirements (70 semester hours)

NRS 103 Introduction to Professional Nursing	1
NRS 104 Nursing Care Concepts I	2
NRS 104L Nursing Care Concepts I Lab	1
NRS 196 Clinical Practicum I	1
NRS 105 Pharmacology	2
NRS 204 Nursing Care Concepts	4
NRS 204L Skills Development II Lab	1
NRS 296 Clinical Practicum II	4
NRS 205 Holistic Nursing Assessment	2
NRS 205L Holistic Nursing Assessment Lab	1
NRS 206 Nursing Specialties	6
NRS 298 Nursing Specialties Clinical Practicum	4
NRS 304 Nursing Care Concepts III	6
NRS 306 Critical Care Concepts	3
NRS 321 Professional Issues	3
NRS 332 Nursing Theory	3
NRS 396 Clinical Practicum III	4
NRS 398 Role Transition Practicum	5
NRS 404 Community Health Nursing	3
NRS 406 Nursing Leadership	4
NRS 421 Nursing Research	3
NRS 496 Community Health Practicum	4
NRS 498 Nursing Leadership Practicum	4

Bachelor of Science for Registered Nurses

The bachelor's degree program (BSN) provides career mobility for the registered nurse. A substantial background in the liberal arts is an integral part of preparation for professional nursing. The upper-division curriculum blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice. Graduates are prepared to function in primary, secondary, and tertiary care settings and in roles that are dependent, interdependent, or independent according to the level of care required. They are able to lead and influence colleagues and co-workers for the enhancement of their knowledge and skills, thereby effecting change to promote quality nursing care for clients in any health care setting. The registered nurse to bachelor's degree program is designed to provide a foundation for higher degree programs in nursing. The department reserves the right to change the program of study as needed to fulfill national certification, approved by the Kentucky Board of Nursing, and/or University requirements.

Graduates are awarded the Bachelor of Science in Nursing degree.

Accreditation

The BSN program is fully accredited through the National League for Nursing Accreditation Commission (NLNAC), Council of Baccalaureate and Higher Degree Programs, 61 Broadway, New York, NY 10006; phone 212-363-5555.

Student Advising

All students considering admission to the registered nurse to bachelor's degree program are advised to contact the RN-BSN degree faculty regarding criteria for admission and guidance in course selection. Students are expected to maintain close contact with their adviser throughout the program of study. It is the responsibility of the student to initiate at least one advising session each semester. Prior consent of the adviser should be obtained before registering for any courses. Students are cautioned not to rely on the advice of other students regarding the applicability of courses.

Pre-Major and Selective Admission Requirements

Students enrolled in courses at Northern Kentucky University preparing for admission to the registered nurse to bachelor's degree program should declare as their major Pre-Baccalaureate Nursing (XNRB). Upon acceptance to the program, students are assigned to a faculty adviser and must declare the major of bachelor's in nursing (NURB).

Admission Requirements

The applicant will

- complete an application for admission to Northern Kentucky University;
- in addition to the University application, submit the Registered Nurse to Bachelor's Degree Nursing Program application to the Department of Nursing (applications obtained from and returned to the Department of Nursing);
- submit to the Office of Admissions
 - official transcripts from an associate degree or diploma program in nursing;
 - official transcripts of all post-secondary work completed.
- meet the following criteria:
 - be admitted to Northern Kentucky University;
 - possess a cumulative grade-point average of 2.50 or higher on a 4.00 scale;
 - hold current RN licensure. Proof of Ohio and Kentucky licensure is mandatory prior to the first day of any clinical course;
 - complete each of the following prerequisite courses or its equivalent by taking the course in a college or university or by taking proficiency examinations.

Human anatomy and physiology	6-8
Microbiology with laboratory	3-4
English composition	6
Psychology	3
Human growth and development	3
Sociology/Anthropology	3
Statistics	3-4
General education	27
Ethics	3
Electives	27-28
Total	84-89

Courses required as prerequisites for admission will be applied toward the general education requirements where applicable.

Accelerated Bachelor of Science in Nursing

The Bachelor of Science in Nursing (BSN) program provides preparation for registered nursing practice. The curriculum is comprised of both didactic and clinical components and includes a sequence of courses in nursing theory.

The curriculum blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice. The B.S.N. program is designed to provide a foundation for higher degree programs in nursing.

Faculty members hold a doctoral or master's degree and many are certified within their individual areas of specialty. Members of the faculty continue to practice in health care, and participate in research and other scholarly endeavors.

Graduates of the BSN program are awarded the degree of Bachelor of Science in Nursing, and are eligible to apply to take the NCLEX-RN exam for licensure as a registered nurse.

The accelerated BSN Program is designed for Bachelor's prepared or post-baccalaureate individuals who want to make a career change. The course requirements for the accelerated program are the same as those provided in the traditional BSN and pre-requisites are required. However, the accelerated program is fast-paced and rigorous incorporating an entire 4-years of nursing courses into sixteen (16) to eighteen (18) months. The

accelerated program is designed for non-working, full time students who can immerse themselves into the content.

The program is approved by the:

Kentucky Board of Nursing
312 Whittington Parkway, Suite 300
Louisville, KY 40222-5172
1-502-329-7000

The program is accredited by:

National League for Nursing Accreditation Commission (NLNAC)
61 Broadway
New York, NY 10006
1-212-363-5555

Student Advising

All students contemplating admission to the Accelerated BSN Program are advised to contact the director of the program to be advised regarding admission requirements. Students admitted to the Accelerated BSN Program are assigned an adviser and are expected to maintain close contact with their adviser throughout the program of study. It is the responsibility of the student to initiate at least one advising session each semester.

Admission Requirements

Admission to the Accelerated BSN Program is highly selective. Priority admission will be given to students whose academic record reflects strength in the sciences and math.

1. Graduate of an accredited college or university with a bachelors or higher degree.
2. Admitted to the University as a degree-seeking student with post-baccalaureate status without restrictions.
3. Minimum cumulative GPA of 2.7 on a four-point scale.
4. Completion of the following pre-requisite courses with a grade of at least a "C". Pre-requisites taken at another university are not considered completed until the course has been transferred to Northern Kentucky University and posted on the student's NKU transcript. **NO EXCEPTIONS.**

* One full year of anatomy and physiology with labs (BIO 208, 208L, BIO 209, 209L)

* Chemistry with a lab (CHE 115, 115L; or CHE 120, 120L, CHE 121, 121L.

* Microbiology with lab (BIO 202, 202L)

* Health Care Ethics (PHI 220; PHI 155 will be accepted as an alternative)

* Nutrition (BIO 126)

* Introductory Statistics (MAT 205)

* Growth and Development (PSY 220 or EDU 300)

5. The applicant has no previous failures within the past four years in any of the pre-requisite courses.

6. All pre-requisite science courses must be less than 8 years old as of the first day of the semester in which the accelerated program is started.

- a. Students that have not yet completed their degree, but wish to pursue a nursing degree after completion of their bachelor's degree in another field, may apply in the semester prior to graduation provided they meet the above criteria. Students must have a letter from their academic adviser indicating that the student will graduate prior to the semester in which they plan to start the Accelerated BSN Program.

- b. Students who have not completed all of the pre-requisites (see below) may apply to the program when they have completed at least two natural science pre-requisite courses with a grade of "C" or better. Students with pre-requisites remaining must submit a plan to complete all pre-requisites prior to the first semester of the accelerated program. Students who have not yet completed

all pre-requisites but meet other admission criteria will be accepted into the applicant pool.

- c. A waiver to the 8-year requirement may be requested if the applicant believes he/she can demonstrate current knowledge related content of the course he/she wishes to have waived (e.g. Registered Dietician currently working as a dietician, educator teaching the course content). All requests for waivers must be made in writing to the Chair of the Admission, Progression and Graduation Committee and must accompany the application for admission with documentation of the course content.

Admission Procedure

1. Apply to the University as a degree-seeking student with post-bachelor status.
2. Declare pre-nursing as your major (XNRS).
3. Send copies of official transcripts from all colleges previously attended to the Office of Admissions, Northern Kentucky University (if applicable).
4. After receiving official notice of admission to the University as a degree-seeking student without restrictions and completion of at least two Natural Science pre-requisite courses with a grade of "C" or higher, complete a separate application for admission to the Accelerated BSN Program. On the application, check Accelerated BSN Program.
5. Include with the application your plan for completion of all pre-requisites prior to starting the Accelerated BSN Program and any requests for waivers addressed to the chair of the Admission, Progression and Graduation Committee.
6. Mail or hand deliver application to: Attention: Admission Progression and Graduation Committee, Department of Nursing, Northern Kentucky University, 303 Albright Health Center, Highland Heights, KY 41099.

Progression

1. Students admitted to the Accelerated BSN Program are subject to the program requirements of the catalog in effect at the time of entry.
2. Upon matriculation into the Accelerated BSN Program, students must take the last 30 semester hours at NKU.
3. The program of study must be completed within two years of the first date of entering the program.
4. Students are expected to progress sequentially through the nursing program.
5. In order to be eligible to enroll in a succeeding nursing course, the student is required to meet all program requirements and academic standards.
6. A grade of "C" or higher must be achieved in all nursing courses in order to proceed to subsequent nursing courses.
7. Critical skills: Students are required to show ability to perform certain basic nursing skills during each semester. Failure to demonstrate continued ability to perform these skills will provide a basis for failure of the clinical component.
8. Students must concurrently take and pass nursing courses that are co-requisites.
9. Failed nursing courses (grade below a "C") may not be repeated in the accelerated program.

Readmission

Students who fail a nursing course in the accelerated program (grade below a "C") are not eligible for readmission to the accelerated program. Students may apply for admission to the traditional baccalaureate program.

Applicants please note: The Kentucky Board of Nursing has regulations regarding previous convictions that must be addressed prior to sitting for the licensure examination. All felony and misdemeanor convictions must be reported when applying for licensure.

RADIOLOGIC TECHNOLOGY

The curriculum of the associate degree program in radiologic technology is a 22-month program that prepares students for entry-level work in the radiology specialty of radiography (diagnostic x-ray). Graduates are competent in routine radiographic and fluoroscopic diagnostic procedures as well as in selected specialized procedures.

Education for the radiography student is an integrated plan of classroom, laboratory, and clinical education. Courses include patient care, human structure and function, radiation biology and protection, principles and techniques of diagnostic imaging, radiation physics, and image evaluation. In addition to their regular classroom coursework, students spend an average of 20 hours per week practicing their skills at one of the following clinical sites:

- St. Elizabeth Medical Center—north unit
- St. Elizabeth Medical Center—south unit
- St. Elizabeth Medical Center—Grant County
- St. Luke Hospital East
- St. Luke Hospital West
- The Jewish Hospital
- Mercy Hospital Anderson
- Mercy Clermont Hospital
- Dearborn County Hospital
- Margaret Mary Hospital

Additional affiliations are maintained with orthopedic offices to provide experience in this type of setting. Other opportunities are also available for elective rotations during the second year of the program. Although most courses are taught during the day, some are scheduled in late afternoon or evening during the second year of the program.

Graduates receive the degree of Associate of Applied Science in radiologic technology and are eligible to sit for the examination of the American Registry of Radiologic Technologists. Upon passing the examination, graduates may use the designation R.T.(R) and are also eligible to apply for an operator's license in the applicable state of employment.

The NKU Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology (<http://www.jrcert.org>)

Pre-Major and Selective Admission Requirements

Admission to the radiologic technology program is accomplished through a selective admissions process that includes an academic screening and hospital observation; verification of immunizations is required of accepted students. The Radiologic Technology Admissions Committee determines academic eligibility and ranks the applicants.

Twenty-eight students are accepted into each class. Names of other candidates meeting the admission criteria are placed on a waiting list and are accepted for the current year if vacancies occur prior to the start of the Introduction to Radiography course in July. Preference is given to students who have completed all admission requirements prior to 15 February.

ACADEMIC SCREENING

Academic criteria have been established to ensure that students meet the minimum requirements needed to be successful in the program. Numerical values are assigned to the GPA, completion of requisite coursework, and hospital observation. Beginning in the summer of 2004, students will have to meet the following admission requirements prior to starting the program:

- a. Satisfactory completion of:
 - BIO 208 & 208L Human Anatomy & Physiology I
 - PHY 110 Introduction to Physics
 - ENG 101 College Writing
 - Math elective
- b. A minimum GPA in all college work attempted on a 4.00 basis, using the following sliding scale:

16-29 semester hours	2.50 GPA
30-45 semester hours	2.40 GPA

46 or more semester hours 2.30 GPA

- c. Successful completion of any developmental coursework by the end of the spring semester, prior to entering the program.

Successful completion of other required general education courses will result in additional points that contribute to the ranking.

Hospital Observation

All candidates making formal application to the program are required to observe in a radiology department for a minimum of four hours. Observations may be completed at one of the program's affiliate hospitals or, for those candidates from out of the area, at a hospital near their home. Candidates are responsible for completing an "Observation Worksheet" and submitting it as part of the application.

Technical Standards

Candidates eligible for the Radiologic Technology Program must be able to meet the following technical standards. These standards specify the skills necessary for successful completion of the program and subsequent employment as a radiologic technologist (radiographer).*

1. Sufficient visual acuity to:
 - * assess skin tone changes detectable in cyanotic or flushed skin
 - * detect color shades/tones such as shades of gray seen on radio graphs
 - * evaluate radiographs for quality, and
 - * read printed words in textbooks and on medical equipment
2. Sufficient hearing to communicate with patients and other members of the health care team, monitor patients via audio monitors, hear background sounds during equipment operations, and respond to the audible sounds of the equipment.
3. Sufficient gross and fine motor coordination to manipulate equipment and accessories, lift a minimum of 30 pounds, and to stoop, bend or promptly assist patients who become unstable.
4. Satisfactory physical strength and endurance to move immobile patients to or from a stretcher or wheelchair to the x-ray table, work with arms extended overhead (approximately 80" from the floor), carry 30 pounds while walking, and stand in place for long periods of time.
5. Satisfactory verbal, reading, and writing skills to:
 - * explain radiologic procedures and direct patients during those procedures and
 - * Communicate in English for effective prompt interaction with patients, fellow students, faculty, and hospital personnel.
6. Satisfactory intellectual and emotional functions to:
 - * ensure patient safety,
 - * exercise independent judgment and discretion in the performance of assigned responsibilities,
 - * measure, calculate, reason, and evaluate as required for direct patient care,
 - * handle stressful situations related to procedural standards and patient care situations.
7. Must be physically free of illegal drugs and alcohol.

* Students with disabilities should declare the disability and provide verification to the Office of Disability Services so reasonable accommodations can be made.

Admitted students must:

1. carry professional liability insurance (available through Northern Kentucky University and paid with tuition);
2. purchase appropriate professional uniforms;
3. provide own transportation to the hospital or clinic;
4. declare radiologic technology (RADA) as a major by the first day of the fall semester;
5. be immunized against hepatitis B and other communicable diseases;
6. provide documentation of immunizations and annual testing for tuberculosis;

7. maintain annual CPR certification.

Submission of immunization and TB records is required for continuation in the program.

Transfer Students

Applicants who have withdrawn from another collegiate program in radiologic technology must submit an official transcript from that institution, as well as other program documents (i.e., course descriptions and/or syllabi) as requested by the NKU radiologic technology program. Transfer students must make an appointment with a program adviser to discuss transfer placement and will be considered for admission to the NKU program on an individual basis.

Advanced Standing

Students who possess a high school diploma or a GED, have graduated from an accredited post-secondary vocational or hospital-based program in radiologic technology, and have passed the American Registry of Radiologic Technologists (ARRT) national exam will be awarded 37 semester hours toward completion of NKU professional course requirements in radiologic technology.

Students admitted into the associate degree program under the advanced standing policy will be held accountable for meeting all prevailing University and program requirements for graduation.

Student Advising

Each student majoring in radiologic technology is assigned to a faculty adviser who will assist in developing an appropriate course of study. The student is expected to maintain frequent contact with the faculty adviser to discuss progress, performance, and career goals.

Students who are currently enrolled at NKU and who plan to apply to the Radiologic Technology Program are urged to declare pre-radiologic technology (XRAD) as their major to insure that they are appropriately advised. Pre-RAD majors may consult with their academic adviser on all issues related to course scheduling, the selective advising holds, and must be advised prior to registering for classes.

Associate of Applied Science in Radiologic Technology

In addition to the 14 semester hours of coursework required for admission to the program, students must complete 68 semester hours of coursework for the major. The professional component includes 55 semester hours of coursework. Of that number, 14 semester hours are earned in clinical practica at the affiliate hospitals and 41 hours earned in didactic coursework at the University.

First Professional Year

Summer—Second Five-Week Session	
RAD 200 Introduction to Radiography	<u>6</u>
Total	6
Fall	
RAD 208 Radiographic Procedures	3
RAD 208L Radiographic Positioning Laboratory I	1
RAD 214 Analysis of Radiographic Quality	3
RAD 214L Analysis of Radiographic Quality Laboratory	1
RAD 286 Radiographic Practicum I	3
SPE 101 Principles of Speech Communication	<u>3</u>
Total	14
Spring	
RAD 205 Professional Communication	3
RAD 209 Radiographic Procedures II	3
RAD 209L Radiographic Positioning Laboratory II	1
RAD 216 Physical Principles of Radiographic Equipment	3
RAD 296 Radiographic Practicum II	3
Total	13

Second Professional Year

Summer

RAD 376 Radiographic Practicum III	2
BIO 209 & 209L Human Anatomy & Physiology II	<u>4</u>
Total	6
Fall	
RAD 303 Radiographic Procedures III	3
RAD 340 Radiation Biology & Protection	3
RAD 386 Radiographic Practicum IV	3
Humanities Elective	3
Behavioral/Social Science Elective	<u>3</u>
Total	15
Spring	
RAD 334 Specialized Medical Imaging	3
RAD 350 Clinical Pathology for Radiographers	3
RAD 360 Quality Assurance	2
RAD 394 Radiography Seminar	1
RAD 396 Radiographic Practicum V	3
Total	<u>12</u>
Program Total	66

RESPIRATORY CARE

Respiratory care is the allied health profession devoted to the diagnosis, treatment, and rehabilitation of patients with diseases of the respiratory system. Respiratory therapists must have a thorough understanding of normal pulmonary anatomy and physiology and of the pathology and treatment of various breathing-related disorders. They work in adult and pediatric hospitals, in some nursing homes, and for a growing number of home-care companies. With the authorization of a physician, they give aerosolized medications and various special breathing treatments to patients with acute or chronic pulmonary disease. Respiratory therapists are life-support specialists, setting up artificial ventilators for patients of all ages who cannot breathe for themselves. When a cardiac arrest occurs in the hospital, therapists provide cardiopulmonary resuscitation and manual ventilation. With sophisticated equipment, they measure effectiveness of breathing and levels of oxygen and carbon dioxide in the blood. Following recognized protocols or physician's orders, they institute therapies to reduce the work of breathing and to improve ventilation and oxygenation.

The program at NKU is 5 semesters long, including summer sessions, with a curriculum of 74 semester hours. Besides didactic, lab, and clinical training in basic respiratory care, the first-year includes courses in chemistry and anatomy/physiology. The summer and the second year focus on more advanced or specialized modalities of respiratory care plus the general education courses necessary to develop an informed, broadly educated health care professional. To provide experience with patients, the program has clinical affiliations with hospitals in the northern Kentucky and greater Cincinnati area. Successful completion of the program leads to the degree of Associate of Applied Science and to eligibility for the C.R.T. and R.R.T. credentialing examinations given by the National Board for Respiratory Care. After passing the C.R.T. exam, the graduate is eligible for a Kentucky Mandatory Certificate or for licensure in another state.

Pre-Major and Selective Admission Requirements

The applicant must follow the standard procedures for admission to the University as outlined in the Admission section of this catalog. In addition, the applicant must do the following:

1. Submit a completed *Respiratory Care Program Application for Admission*;
2. Observe the work of a therapist employed in a hospital respiratory care department and submit a completed *Respiratory Care Observation Form*.

Admission to the program is gained via a selective admissions process that includes an evaluation of academic credentials. After an applicant has obtained unrestricted admission to Northern Kentucky University, he or she will be considered for acceptance into the first term of professional RSP courses under the following minimum criteria:

GPA: 2.3 or higher for previous college work
 ACT: 19 or higher composite on Enhanced ACT
 Courses: algebra, chemistry and biology in high school or college with grades of C or better
 Math: enhanced ACT math subscore of 18 or higher, or Advanced level on NKU Math Placement Test, or MAH 099 Intermediate Algebra at NKU (or equivalent)

Students who want to major in respiratory care but do not yet meet the above criteria should declare Pre-Respiratory Care (X-RSP) as their major, apply for acceptance into the program, and follow the advice of their RC faculty adviser. Many students take pre-requisites, general education, and science requirements before starting the professional RSP course sequence. Students must also fulfill the immunization requirements listed on the Respiratory Care Program Immunization Form and described in the *Respiratory Care Program Student Handbook* before they are given hospital clinical assignments, a required part of the curriculum.

Advanced Placement for Certification School Graduates

The Respiratory Care Program recognizes learning which can be validated by testing or academic records. Certification school graduates who are accepted into the Advanced Placement Program will be granted credit hours for previous academic work in respiratory care depending upon the applicant's academic and clinical background.

Admission Requirements for Advanced Placement

To be considered for Advanced Placement; the applicant must:

1. have graduated from a certification program accredited by the Commission on Accreditation of Allied Health Education Programs upon recommendation by the Committee on Accreditation for Respiratory Care
2. have worked at least one year as a graduate respiratory care technician or have passed the NBRC Entry Level Examination. Exception may be made to this policy upon demonstration of outstanding academic and clinical ability and interest in the field of respiratory care as determined by the Respiratory Care faculty
3. be interviewed by the Respiratory Care Program Director
4. submit three references (two from respiratory care instructors, one from a respiratory care employer)
5. have a minimum grade point average of 2.7 for his/her work in the certification program, or have passed the NBRC Entry Level Examination
6. meet the requirements for admission to Northern Kentucky University.

Interested applicants should arrange a personal interview with the Respiratory Care Program Director and complete a checklist for advanced placement. The curriculum will be determined on an individual basis and will be based on previous academic and clinical work in respiratory care as well as anticipated career goals.

Progression

A student must achieve a grade of at least C in each respiratory care course in order to continue in the program. Accurate knowledge of chemistry and human anatomy and physiology is essential to the effective application of respiratory therapy. For this reason, the required science courses must be taken before or during the semester in which they are listed in the program curriculum. Two grades of less than "C" in required science courses constitute reason for dismissal from the program. Science courses transferred from other institutions with a grade of less than "C" will not be recognized as fulfilling program requirements.

Computer Literacy

Students will demonstrate computer literacy by completing the following activities as part of the program's computer competency requirement:

1. use word-processing software such as WordPerfect or Microsoft Word for research papers;
2. do medical literature database searches using MedLine and/or CINAHL;
3. complete computer-assisted instruction assignments;
4. complete computerized clinical simulations;
5. gather information for research papers from the internet;
6. send and receive electronic mail.

Assessment of Major

In the fifth term, as part of RSP 280 Respiratory Care Seminar, students as a group must take the Entry Level and Written Registry Self-Assessment Examinations from the National Board for Respiratory Care. The examinations (1) give students the opportunity to demonstrate a synthesis of knowledge about respiratory care, (2) help students prepare for the actual Entry Level and Registry examination, and (3) provide group examination performance information for program self-evaluation as required for accreditation.

Associate of Applied Science in Respiratory Care

1st term

BIO 208 Human Anatomy and Physiology I	4
BIO 208L Human Anatomy and Physiology I Laboratory	0
CHE 115 Physiological Chemistry	3
CHE 115L Physiological Chemistry Laboratory	1
RSP 110 Fundamentals of Respiratory Care	4
RSP 110L Patient Assessment Laboratory	1
RSP 115 Clinical Practicum I	<u>2</u>
Total	15

2nd term

BIO 209 Human Anatomy and Physiology II	4
BIO 209L Human Anatomy and Physiology II Laboratory	0
RSP 120 Ventilatory Support	4
RSP 120L Respiratory Laboratory II	1
RSP 125 Clinical Practicum II	2
RSP 130 Respiratory Physiology and Physics	3
One required general education course	<u>3</u>
Total	17

3rd term

RSP 210 Artificial Ventilation	3
RSP 210L Respiratory Laboratory II	1
RSP 225 Clinical Practicum III	2
One required general education course	<u>3</u>
Total	9

4th term

RSP 231 Cardiopulmonary Monitoring and Pharmacology	3
RSP 250 Chest Diseases	2
RSP 262 Prenatal-Pediatric Respiratory Care	3
RSP 267 Clinical Practicum IV	3
SPE 220 Interpersonal Communication	3
(or) SPE 230 Small Group Communication	<u>3</u>
One required general education course	<u>3</u>
Total	17

5th term

RSP 233 Pulmonary Function Testing	2
RSP 240 Pulmonary Rehabilitation	2
RSP 280 Respiratory Care Seminar	3
RSP 287 Clinical Practicum V	3
Two required general education courses	6
Total	<u>16</u>
Program Total	74

Social Work and Human Services Department

FACULTY

Willie L. Elliott, *interim chair*
 Charles E. Lowe, *interim director, social work*
 Nan E. Littleton, *director, mental health/human services*
 Barbara A. Conklin, Gregory T. Hatchett, Darrell Payne, Holly Riffe,
 Jacqueline Smith, Karen Tapp

CONTACTING THE DEPARTMENT

The Department of Social Work and Human Services is located in Albright Health Center 206 and may be reached by phone during normal business hours at 859-572-5604. Visit the department's website at <http://www.nku.edu/~swhs>.

Willie E. Elliott, *interim chair* elliott@nku.edu

PROGRAMS OFFERED

Associate Degrees

Applied Science
 Human Services

Bachelor's Degrees

Bachelor of Science
 Mental Health/Human Services

Bachelor of Social Work

Minors

Mental Health/Human Services
 Social Justice

Certificate

Social Justice

GENERAL EDUCATION COURSE OFFERED

SWK 203 Social Welfare in Contemporary Society

PRE-MAJOR AND SELECTIVE ADMISSION REQUIREMENTS

Students wishing to major in one of these programs must apply to and be accepted into the program in addition to meeting the general admission requirements of the University. Complete program admission requirements are included in the specific description of each program. Applications should be directed to the appropriate program director or to the NKU Office of Admissions.

ADMISSION AND GOALS OF THE DEPARTMENT

The Department of Social Work and Human Services assumes a leadership role in the preparation of students for a variety of careers in the social work, mental health, and human services field. The programs of the department are committed to the comprehensive personal and academic preparation of knowledgeable and skillful helping professionals.

To achieve this goal, the department's programs actively combine classroom instruction with supervised field experiences. By being exposed to community settings as well as campus classrooms and laboratories, students have ongoing opportunities to test their theoretical knowledge in real-world situations and to bring on-the-job experiences back to the classroom for analysis and discussion.

Because of the department's professional orientation and the post-graduation licensing requirements faced by practitioners who wish to work in these fields, all three of the degree programs have selective admissions policies.

ACCREDITATION

Council on Social Work Education
 Council for Standards in Human Service Education

SOCIAL WORK

The bachelor's degree program is designed to provide graduates with the fundamental knowledge, values, ethics, and practice skills necessary for their entry into a social work career as beginning generalist professional social work practitioners. The coursework and related field practicum prepare graduates for the many diverse challenges, opportunities, and responsibilities they will face in social work practice. The degree offers graduates extensive career mobility within a variety of social work settings and further serves as a foundation for higher degrees in the field.

The coursework provides a breadth and depth of knowledge in areas specific to social work including social work practice theory and skills, social work policy and services, human behavior and the social environment, and social work research. The program includes three semesters of field practicum that is an integral and vital component of the curriculum. Numerous community agencies serve as field practicum sites. In addition to the social work-focused courses, the professional curriculum is integrated with the core knowledge provided in the social/behavioral and biological sciences requirements.

The program does not give academic credit for life and work experience.

Accreditation

The program is accredited by the Council on Social Work Education (CSWE). Graduates are awarded the degree of Bachelor of Social Work (BSW), providing them with the eligibility to test for both the entry-level state license and a national professional credential.

Selective Admission Requirements

Students can apply for admission to the social work program after they have declared social work as a major and met the following admission criteria:

1. Attainment and maintenance of a cumulative grade-point average (GPA) of at least 2.00.
2. Completion of SWK 105 and SWK 203 with a minimum grade of C.
3. Completion of the program's required supportive courses with a minimum grade of C prior to commencing the junior social work curriculum.
4. Submission of an autobiographical critical life review and letter of recommendation.
5. Demonstration of an interest in, and aptitude for, a career in social work per evaluation of any and all pertinent and available student information.

Additional Requirements

Requirements for a major in social work leading to the degree of Bachelor of Social Work are as follows:

1. Declaration of social work as a major field of study;
2. Gaining admission to the program. A cumulative grade-point average (GPA) of at least 2.00 is required. Students make formal application to the Social Work Program after completion of SWK 105 and SWK 203;
3. Completion of general education requirements;
4. Completion of courses in other disciplines designated by the social work program (see "Social Work Required Supportive Courses");
5. Achievement of specified goals and objectives within the professional curriculum.

Bachelor of Social Work

Required courses in social work

SWK 105 Community Experience in the Social Services

SWK 203 Social Welfare in Contemporary Society	3
SWK 303 Professional Interactional Skills	3
SWK 304 The Human Experience I: Theoretical Perspectives	3
SWK 305 Social Work Practice: The Generalist Model	3
SWK 306 Field Instruction I	5
SWK 308 Social Work Research	3
SWK 404 Social Work Practice: Individuals, Families, Groups	3
SWK 405 Social Work Practice: Community Organization	3
SWK 406 Field Instruction II	5
SWK 407 Social Welfare Policy	3
SWK 408 Field Instruction III	5

Social Work Required Supportive Courses

Required supportive courses must be completed with a minimum grade of C.

BIO 121 Systems Biology <i>or</i> BIO 125 Biological Perspective of Wellness	3
ECO 215 Contemporary Economic Issues	3
MAT 205 Introduction to Statistical Methods	3
PHI 155 Introduction to Ethics <i>or</i> PHI 220 Health Care Ethics	3
PSC 100 American Politics	3
PSY 100 Introduction to Psychology	3
SOC 100 Introductory Sociology	3
SPE 101 Principles of Speech Communication	3

Electives

Six semester hours from the social work electives below:	6
SWK 307 The Human Experience II: Literary Perspectives (3)	
SWK 394 Topics in Social Welfare (1-3)	
SWK 411 Social Work and the Law (3)	
SWK 510 Child Abuse (3)	
SWK 520 Services to Women (3)	
SWK 525 Substance Use and Abuse (3)	
SWK 594 Issues in Social Welfare (1-3)	
Total	70-72

Area of Concentration

There is no minor in social work. Social work is available as an area of concentration for students who complete four of the 300 level or above courses listed below. The program welcomes students from other disciplines to either declare social work as a concentration or simply enroll in courses open to all students.

Courses open to all students include:

- SWK 105 Community Experience in the Social Services
- SWK 203 Social Welfare in Contemporary Society
- SWK 307 The Human Experience II: Literary Perspectives
- SWK 394 Topics in Social Welfare
- SWK 411 Social Work and the Law
- SWK 510 Child Abuse
- SWK 520 Services to Women
- SWK 525 Substance Use and Abuse
- SWK 594 Issues in Social Welfare

Courses open to students with the consent of instructor include:

- SWK 303 Professional Interactional Skills
- SWK 304 The Human Experience I: Theoretical Perspective
- SWK 308 Social Work Research
- SWK 407 Social Welfare Policy

Computer Literacy Requirement

Social work students are required to use Windows, Internet, e-mail, electronic library research, and other computer applications throughout the entire social work curriculum.

Additional Program Information

The program handbook available from the social work office (HC 206) provides more detailed information regarding the curriculum, student advisement, admission procedures, student organizations, and other aspects of the program. Also available is a student field manual detailing

the field practicum component of the program. Field students are required to carry professional liability insurance, which is available through the University. The program also offers a two-year Public Child Welfare Certification Program (PCWCP) Scholarship which includes tuition and stipend benefits.

An active student social work organization provides support to students and involvement in community service projects.

Criteria for non-retention in the program include

1. academic performance below the acceptable level of an overall GPA of at least 2.00 and/or less than the grade of C in all social work required and supportive required courses.
2. behavior inappropriate or detrimental in a professional relationship.
3. violation of the National Association of Social Workers (NASW) Code of Ethics.



HUMAN SERVICES

The associate degree program in human services prepares graduates to work in a variety of human service settings including mental health, mental retardation, preschool day-care, therapeutic recreation, alcohol and drug abuse, geriatrics and gerontology, corrections, and other functional specializations.

Pre-Major and Selective Admission Requirements

Admission to the program is selective. To be considered for admission, applicants must

1. be admitted to Northern Kentucky University;
2. successfully complete HSR 100 Orientation to Mental Health/Human Services.

Students need faculty recommendation and consent of instructor before enrolling in any practica.

Persons entering the University with an interest in the human services program will be designated as HSR students for advising purposes.

Students planning careers in preschool day-care should consult with their academic advisers for assistance in meeting the requirements for appropriate state certification.

Associate of Applied Science in Human Services 2+2

The program—66 semester hours—may be completed in four semesters.

Primary requirements (24 semester hours)

HSR 100 Orientation to Mental Health/Human Services	3
HSR 102 Practicum in Human Services I	4
HSR 103 Practicum Seminar I	2

HSR 105 Counseling for Human Service Professions	3
HSR 110 Activities Therapy	3
HSR 207 Practicum in Human Services II	4
HSR 211 Practicum Seminar II	2
HSR 216 Group Theories and Practice	3

Other requirements (42 semester hours)

BIO 125 Biological Perspective of Wellness	3
ENG 101 College Writing	3
ENG 291 Advanced Writing	3
MAT 110 Introductory Probability or (any general education mathematics course)	3
PSY 100 Introduction to Psychology	3
PSY 333 Abnormal Psychology	3
SOC 100 Introductory Sociology	3
SPE 101 Principles of Speech Communication	3
Elective in human development from Lifespan Development (PSY 220), Child Psychology (PSY 319), Psychology of Adult Development (PSY 320), and Human Growth and Development (EDU 300)	3
Elective in human services	3
General education elective in humanities/fine arts	3
Electives	9

Associate of Applied Science in Human Services 2+2**Early Childhood /Preschool Specialization**

The program - 64 semester hours - may be completed in four semesters. Primary requirements (24 semester hours) are the same as listed for the Associate of Applied Science in Human Services 2+2.

Other requirements (40 semester hours)

BIO 125 Biological Perspectives of Wellness	3
ENG 101 College Writing	3
ENG 291 Advanced Writing	3
MAT 110 Intro Probability or (any general education math course)	3
PSY 100 Introduction to Psychology	3
SOC 100 Introduction to Sociology	3
SPE 101 Principles of Speech Communication	3
EDU 300 Human Growth and Development	3
HSR 226 Behavior Problems of Children	3
EDU 301 Young Child in School	
EDU 305 Introduction to Education	2
EDS 360 Students with Exceptionalities	2
EDS 562 Early Childhood Special Education Programs	3
General Education elective in humanities/fine arts	3

Bachelor of Science in Mental Health/Human Services 2+2

The bachelor's degree program in mental health/human services is an extension of, and builds upon, the associate degree program in human services. Students have the option of specializing in mental health, preschool day-care, rehabilitation, substance abuse, or gerontology with elective courses tailored to each area. Students are prepared to perform middle-level mental health services in education/training, prevention, individual and group counseling, and program development and management. The 2+2 Bachelor's Program is exempt from the area of concentration requirement.

Pre-Major and Selective Admission Requirements

Admission to the bachelor's program in mental health/human services is selective. To be considered for admission, applicants must

1. be admitted to Northern Kentucky University;
2. possess a grade-point average (GPA) of 2.00 or higher on previous college work;
3. be recommended by a faculty member in mental health/human services;
4. receive faculty recommendation and consent of the instructor before enrolling in any practica.

Additional Requirements

Persons interested in the bachelor's program will be designated as HSRB students for advising purposes. Upon admission into the program, students must complete a *Change of Major* form in the Office of the Registrar.

The program consists of 62(63) semester hours.

Primary requirements (20 semester hours)

HSR 300 Contemporary Issues in Mental Health	3
HSR 304 Field Experience in Mental Health I	4
HSR 305 Assessment and Appraisal in Mental Health	3
HSR 404 Field Experience in Mental Health II	4
HSR 412 Leadership Skills in Group Counseling	3
HSR 416 Mental Health Counseling: Principles and Practice	3

Other Requirements 42 (43) semester hours

HSR 430 Human Services Administration	3
PAD 300 Introduction to Public Administration	3
PSY 300 Personality Theory	3
SWK 308 Social Work Research	3
General education	21-22
Electives	9

Bachelor of Science in Mental Health/Human Services

Students who are junior standing or above may elect to work on a bachelor's degree in mental health/human services without first completing the associate degree. Students have the option of specializing in mental health, preschool day-care, rehabilitation, substance abuse, or gerontology with elective courses tailored to each area. Students are prepared to perform middle-level mental health services in education/training, prevention, individual and group counseling, and program development and management.

Pre-Major and Selective Admission Requirements

Admission to the bachelor's program in mental health/human services is selective. To be considered for admission, applicants must

1. be admitted to Northern Kentucky University;
2. possess a grade-point average (GPA) of 2.00 or higher on previous college work;
3. be recommended by a faculty member in mental health/human services;
4. receive faculty recommendation and consent of the instructor before enrolling in any practica.

Additional Requirements

Persons interested in the bachelor's program will be designated as HSRB students for advising purposes. Upon admission into the program, students must complete a *Change of Major* form in the Office of the Registrar. General requirements detailed in Academic Requirements, General Requirements No. 1, must be fulfilled by those pursuing the Bachelor of Science in Mental Health/Human Services.

The program consists of 50 semester hours.

Primary requirements (38 semester hours)

HSR 100 Orientation to Mental Health/Human Services	3
HSR 105 Counseling for Human Service Professions	3
HSR 207 Practicum in Human Services II	4
HSR 211 Practicum Seminar IV	2
HSR 216 Group Theories and Practice	3
HSR 300 Contemporary Issues in Mental Health	3
HSR 304 Field Experience in Mental Health I	4
HSR 305 Assessment and Appraisal in Mental Health	3
HSR 404 Field Experience in Mental Health II	4
HSR 412 Leadership Skills for Small Groups	3
HSR 416 Mental Health Counseling: Principles and Practice	3
HSR 430 Human Service Administration	3

Other Requirements 12 semester hours

PAD 300 Introduction to Public Administration	3
PSY 300 Personality Theory	3
SWK 308 Social Work Research	3
MAT 205 Introduction to Statistical Methods	3

Bachelor of Science in Mental Health/Human Services**Early Childhood/Preschool Specialization**

The program consists of 53 semester hours.

Primary requirements (35 semester hours)

HSR 100 Orientation to Mental Health/Human Services	3
HSR 105 Counseling for Human Service Professions	3
HSR 207 Practicum in Human Services II	4
HSR 211 Practicum Seminar IV	2
HSR 216 Group Theories and Practice	3
HSR 300 Contemporary Issues in Mental Health	3
HSR 304 Field Experience in Mental Health I	4
HSR 305 Assessment and Appraisal in Mental Health	3
HSR 404 Field Experience in Mental Health II	4
HSR 412 Leadership Skills for Small Groups	3
HSR 430 Human Service Administration	3

Other Requirements 18 semester hours

MGT 205 Introduction to Business & Management	3
ENG 386 Children's Literature	3
HSR 500 Multicultural Family Work	3
HSR 502 Guidance Strategies for EC Practitioners	3
EDU 550 Current Trends in Early Childhood Education	2
EDU 551 Classroom Activities in Early Childhood	1
EDU 566 Assessment in Early Childhood Education	3

Computer Literacy Requirement

HSR 211, HSR 412, and HSR 430 require use of Windows or MAC/OS, internet, e-mail, electronic library research, and word-processing skills.

Minor in Mental Health/Human Services

The minor in mental health/human services is appropriate for students majoring in the behavioral, social, or health sciences. The minor requires successful completion of Orientation to Mental Health/Human Services (HSR 100), and 18 additional semester hours of mental health/human services courses (6 semester hours of which must be numbered 300 or above). Students may choose as part of their mental health/human services course requirement a practicum course and accompanying seminar involving supervised on-the-job work experience in a service delivery agency. For more information on the practicum/seminar courses contact the director of mental health/human services.

SOCIAL JUSTICE STUDIES

Social Justice is an interdisciplinary area of study that focuses on issues of equity and fairness in the distribution of power, privilege, and resources in human societies. Issues in social justice can include any of the differences that have been used to divide members of society and distribute the basic elements of human existence on an unequal basis. Issues may include, but are not limited to, race, sex, class, ethnicity, gender, identity, ability, and age. Courses not only explore violations of social justice, but also examine reactions to these violations and seek out ways to resolve them. For complete information, see "SOCIAL JUSTICE STUDIES" on page 89 of this catalog.

Technology Department

FACULTY

James R. Gray, *interim chair*

Simone W. Bess, Melissa Bledsoe, Ruth Champion, Paul D. Cooper, Kent Curtis, Majed Dabdoub, Thomas M. Edwards, Sean Foley, H. Randolph Holt, Dixie Leather, Mark Rajai, William A. Recker, Morteza Sadat-Hossieny, Gary D. Scott, Pryze Smith, Christine B. Stiegler, Willis Vincent, Harold Wiebe, Robert Willoughby, Lewis Ed. Workman

CONTACTING THE DEPARTMENT

The Department of Technology is located in AST 206 and may be reached during business hours by phone at 859-572-5440. Visit the department's website at <http://www.nku.edu/~technology>.

Dr. James R. Gray, *interim chair* jgray@nku.edu

PROGRAMS OFFERED BY THE DEPARTMENT*Associate Degree Programs*

Construction Technology
Aviation Administration

Bachelor's Degree Programs

Business Education (Teaching Track)
Organizational Systems Technology (Non-Teaching Track)

Computer and Electronics Engineering Technology
Construction Management
Industrial Education
Industrial and Labor Relations
Mechanical and Manufacturing Engineering Technology
Organizational Leadership

Minors

Electronics Technology
Industrial and Labor Relations
Industrial Technology
Organizational Systems Technology

Certificates

Organizational Systems Technology
Leadership Development
Architectural Drafting

ACCREDITATION

Accreditation Board for Engineering & Technology, EET and MET Programs (ABET).

American Council for Construction Education, CMGT Program (ACCE)

National Council for Accreditation of Teacher Education, BED (NCATE)

PRE-MAJORS AND SELECTIVE ADMISSION REQUIREMENTS

Pre-Business Education

See College of Education admission requirements.

MISSION STATEMENT FOR THE DEPARTMENT OF TECHNOLOGY

The mission of the Department of Technology is to serve our community through learning, discovery, and engagement in technology transfer, technology application and technology management, and to promote the adoption and diffusion of new technological innovations. Student learning is enhanced by discovery and engagement, which are essential to meeting the socioeconomic and workforce demands of the northern Kentucky metropolitan region.

UNIVERSITY WIDE REQUIREMENTS

Students pursuing a degree must meet all university-wide requirements for that degree which include, but are not limited to the following:

- 1) a minimum of 128 semester hours for a bachelors; 64 semester hours for an associates
- 2) the last 30 semester hours for a bachelors must be taken at NKU; the last 20 semester hours for an associates must be taken at NKU
- 3) a minimum of 25% of semester hours for the degree must be from NKU
- 4) general education requirements must be fulfilled
- 5) GPA of 2.0 in the major, minor and/or area of concentration as well as a cumulative GPA of 2.0 must be attained on all college work attempted (excluding developmental work)
- 6) 45 hours of coursework for a bachelors must be 300-400 (upper division)

BACHELOR'S DEGREE PROGRAMS

Organizational Leadership

The Organizational Leadership program is a non-business degree that provides knowledge of organizational structures, human behavior, and techniques of effective leadership. The program focuses on four components: 1. Professional environment - human relations, social and organizational psychology; 2. Communications - communication techniques, international communications, and Internet concepts and techniques; 3. Leadership - leading in the quality environment and team dynamics; and 4. 12 Hour Area of Concentration - adviser approved theme of courses for each student's personal and professional development, e.g., Web Development.

The Organizational Leadership program is designed for students with professional career paths in supervision and leadership with an emphasis on human behavior and interpersonal relationships.

Admission Requirements

- A. Applicants must meet NKU admission standards and hold an associate degree from an accredited college or university *or*
- B. Applicants without an accredited associate degree must:
 1. meet NKU admission standards;
 2. have a minimum of 60 semester hours from an accredited college or university;
 3. have a cumulative GPA of at least 2.00 for all previous courses;
 4. have at least 18 semester hours of NKU approved general education courses;

Student Advising

All students contemplating admission to the program must contact the Department of Technology for an appointment with an adviser to discuss admission criteria and to obtain guidance in course selection.

Evaluation of Transcripts

Official transcripts of previously earned credit must be sent to the Office of Admissions, Northern Kentucky University, Nunn Drive, Highland Heights, KY 41099. The student will be sent a copy indicating the total transfer hours accepted and course applicability to NKU's general education requirements.

Graduation

Upon satisfactory completion of all program and University graduation requirements, including general education, program core, and an area of concentration, graduates are awarded the degree of Bachelor of Arts in Organizational Leadership.

Program of Study

A. General Education/Electives

All students will be required to complete the General education requirements as outlined in this catalog. See "GENERAL EDUCATION REQUIREMENTS: BACHELOR'S DEGREE" on page 26.

Recommended General Education Courses

PSY 100 Introduction to Psychology
 ECO 200 Principles of Macroeconomics
 MAT 205 Introduction to Statistical Methods

B. Core: (33 semester hours)

Professional Environment Component - 9 hours	
IET 305 Human Relations in Business and Industry	3
PSY 340 Social Psychology	3
PSY 344 Industrial/Organizational Psychology	3
Communications Component - 12 hours	
ENG 340 Business Writing	3
SPE 303 Organizational Communications	3
OST 310 Intercultural Business Communications	3
OST 330 Internet: Concepts and Techniques for Work in Technology Related Fields	3
Leadership Component - 12 hours	
IET 308 Leadership in the Quality Environment	3
IET 315 Personnel Management	3
IET 395 Total Quality Teamwork	3
LDR 480 Organizational Leadership Capstone	3

C. Area of Concentration- Adviser Approved: (12 semester hours)

All students must earn an area of concentration (12 adviser-approved upper-division semester hours) in addition to the required core of 33 semester hours. Course selection can be tailored to each individual's educational objectives. Information on potential areas of concentration is available from an adviser. Students majoring in BOL may not declare a minor or area of concentration in a business discipline. Students may petition for a 12-hour concentration of upper level courses (300 and 400) designed to enhance their professional development. The 12-hour concentration will be adviser approved and in compliance with University practices and procedures.

Business Education (BED)

The Department of Technology offers two options in business education: (1) Business/Marketing Education and (2) Organizational Systems Technology

Business/Marketing Education

This bachelor's degree program prepares students to teach business subjects in high school and middle grades. It provides the courses and guidance to enable students to meet Kentucky Department of Education teaching certification requirements.

Students pursuing a business teacher education/secondary education program should review that portion of the NKU Catalog relating to educa-

tion. Upon deciding to pursue the program, students must schedule an appointment with the coordinator of certification and advisement in the College of Education.

Northern Kentucky University is an approved institutional member of the National Association of Business Teacher Education. Northern Kentucky University is accredited by the National Council for the Accreditation of Teacher Education and by the Southern Association of Colleges and Schools.

General Education Requirements (46-51 semester hours)

Fulfilled by the required/distributive components set forth by the University and the College of Education.

Technical Core (36 semester hours)

OST 300 Organizational and End-User Systems Concepts	3
OST 310 Intercultural Business Communication	3
OST 311 Written Communication Systems	3
OST 317 Database Technologies	3
OST 325 Electronic Publishing/Presentations Technology	3
OST 326 End-User Technology Solutions	3
OST 330 The Internet: Concepts/Techniques for Work In Technology-Related Fields	3
IET 380 Organization & Management of Career & Tech Ed	3
IET 381 Instructional Systems Development & Implementation	3
OST 400 Teaching Business & Marketing Subjects	3
OST 421 Case Studies in Applied Technology Systems	3
OST 422 Designing & Managing Organizational Training	3

Professional Core (18 semester hours)

ACC 200 Principles of Accounting I—Financial	3
ACC 201 Principles of Accounting II—Managerial	3
BUS 230 Legal Environment	3
ECO 200 Principles of Macroeconomics (or ECO 201 Principles of Microeconomics)	3
MKT 230 Legal Environment	3
IET 310 Problem Solving in Technology	3

Education Core (31 semester hours)

EDU 300 Human Growth & Development	3
EDU 305 Introduction to Education	2
EDU 311 Secondary Practicum I	1
EDU 313 Computer Applications for Teachers	1
EDU 315 Educational Assessment	1
EDU 324 Fundamentals of Secondary Education	3
EDU 322 Exceptional Students in Regular Secondary Classrooms	3
EDU 393 Secondary Practicum II	2
EDU 496 Student Teaching - Secondary	12
PHE 200 Concepts of Lifetime Fitness	2
PHE 100 One hour activity course	1
Total Program Hours	131-136

To complete the BED, students will have to take 134 semester hours—48-49 general education, 30 OST core, 18 business core—including 3 hours for ECO 200 or ECO 201 which also counts in general education, 31 education core, and 6 electives.

Organizational Systems Technology

The Organizational Systems Technology program offers two tracks: (1) Organizational Systems Technology and (2) Organizational Training and Development. The first, Organizational Systems Technology, prepares professionals to effectively manage today’s organizational systems. Organizational Systems are the business functions related to coordination and management of information resources of an organization. Generally, organizational systems functions include responsibilities for planning, selecting, designing, implementing, training for, and evaluating technical and non-technical organizational systems.

This program includes an OST core, general education, a professional core, co-op/practicum/internship, and electives. The electives enable students to pick up areas of concentration in a discipline outside the OST option. The curriculum emphasizes both the technical and human sides of an organization as contrasted with existing computer science curricula. Graduates will be prepared to plan for and design user-compatible systems and manage the change effort necessary for the introduction of new technologies.



General Education (46-51 semester hours)

Fulfilled by the required and distributive components set forth by the University.

Systems Core (39 semester hours)

OST 300 Organizational and End-User Systems Concepts	3
OST 310 Intercultural Business Communication	3
OST 311 Written Communication Systems	3
OST 317 Data Base Technologies	3
OST 320 Communications Technologies	3
OST 323 Systems Planning and Implementation	3
OST 324 Operating Systems Technologies	3
OST 325 Electronic Publishing/Presentation Technologies	3
OST 326 End-User Technology Solutions	3
OST 330 The Internet: Concepts and Techniques for Work and Technology	3
OST 394 Topics: Applied Technology Systems	3
OST 399 Independent Study: Applied Technology Systems	3
OST 421 Cases Studies in Applied Technology Systems	3

Professional Core (33 semester hours)

ACC 200 Principles of Accounting I—Financial	3
IET 310 Problem Solving in Technology	3
ENG 347 Technical Writing/PREREQ: ENG 291 or equivalent	3
IET 301 Cooperative Education in Technology	3
IET 305 Human Relations in Business and Industry	3
IET 308 Leadership in the Quality	3
IET 315 Personnel Management	3
BUS 230 Legal Environment	3
PSY 320 Psychology of Adult Development	3
PSY 340 Social Psychology or PSY 344 Industrial /Organizational Psychology	3
SPE 220 Interpersonal Communications	3

Approved Upper Division Electives (12 semester hours)

OST 422 Training and Organizational Development	3
PSY 344 Industrial/Organizational Psychology	3
IET 395 Total Quality Teamwork	3
LDR 480 ORganizational Leadership Capstone	3
MKT 305 Principles of Marketing	3
MKT 308 Advertising and Promotion	3
MKT 320 Consumer Behavior	3
MGT 305 Operations Management in Business	3
PSY 304 Consumer Psychology	3

**Organizational Training and Development**

The Organizational Training and Development program prepares professionals to effectively develop and implement training programs in today's new technologies. This interdisciplinary program focuses on a variety of core competencies for professional training including curriculum development, instructional design, training program delivery, and the psychology of adult development.

This program includes a training core, general education, a professional core, co-op/practicum/internship, and electives. The electives enable students to pick up areas of concentration in a discipline outside the OST option. Graduates will be prepared to plan for and design user-compatible systems and manage the change effort necessary for the introduction of new technologies.

General Education (46-51 semester hours)

Fulfilled by the required and distributive components set forth by the University.

Systems Core (39 semester hours)

OST 300 Organizational and End-User Systems Concepts	3
OST 310 Intercultural Business Communication	3
OST 311 Written Communication Systems	3
OST 317 Data Base Technologies	3
OST 320 Communications Technologies	3
OST 323 Systems Planning and Implementation	3
OST 325 Electronic Publishing/Presentation Technologies	3
OST 326 End-User Technology Solutions	3
OST 330 The Internet: Concepts and Techniques for Work and Technology	3
IET 340 Web Development: Basic Concepts & Practices	3
OST 394 Applied Technology Systems	3

OST 421 Cases Studies in Applied Technology Systems	3
OST 422 Designing and Managing Organizational Training	3

Professional Core (33 semester hours)

ACC 200 Principles of Accounting I—Financial	3
IET 310 Problem Solving in Technology	3
ENG 347 Technical Writing/PREREQ: ENG 291 or equivalent	3
IET 380 Organization & Management of Industrial Education	3
IET 181 Instructional Systems Development	
IET 305 Human Relations in Business and Industry	3
IET 308 Leadership in the Quality	3
BUS 230 Legal Environment	3
PSY 320 Psychology of Adult Development	3
SPE 220 Interpersonal Communications	3
PSY 340 Social Psychology	3

Approved Upper Division Electives (12 semester hours)

OST 324 Operating Systems Technology	3
OST 399 Independent Study: Applied Technology Systems	3
IET 315 Personal Management	3
IET 395 Total Quality Teamwork	3
LDR 480 ORganizational Leadership Capstone	3
MKT 305 Principles of Marketing	3
MKT 308 Advertising and Promotion	3
MKT 320 Consumer Behavior	3
MGT 305 Operations Management in Business	3
PSY 304 Consumer Psychology	3

Computer and Electronics Engineering Technology (CEET)

This bachelor's degree program is designed to prepare graduates for both technological and managerial responsibilities in industry. In addition to the electrical and electronics offerings, the program is structured to give a broad knowledge in areas that electronic engineering technologists are likely to encounter in their job responsibilities. The majority of the courses include both theoretical and laboratory ("hands-on") elements so that the graduates can more efficiently apply skills to real-world problems.

The previous, but related, EET program is accredited by the Technology Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; phone 410-347-7700.

Recognizing the importance of computer programming skills for many EET graduates, the program is organized to permit selection of either of two areas of emphasis. For those students desiring additional computer programming skills, the Computer Science Emphasis is chosen. The Technical Science Emphasis provides students with skills that are very important in many other industries.

Graduates of the CEET program will be prepared to provide direct technical assistance to scientists and engineers in scientific research, experimentation, and design. Skills gained and enhanced in this program will permit graduates to analyze, troubleshoot, and design industrial and laboratory systems that have electronic, mechanical, thermal, and fluidic components.

Support Requirements (29 semester hours)

CHE 120 General Chemistry	3
CHE 120L General Chemistry Lab	1
CSC 260 Introduction to Computer Programming	3
CSC 260L Introduction to Computer Programming Lab	1
MAT 119 Pre-calculus Mathematics	3
MAT 121 Calculus IA	3
MAT 122 Calculus IB	3
MAT 221 Calculus IIA	3
PHY 211 General Physics with Laboratory I	5
PHY 213 General Physics with Laboratory II	5

Core Requirements (12 semester hours)

IET 301 Cooperative Education in Technology	3
---	---

IET 310 Problem Solving in Technology	3
IET 317 Research in Technology	3
IET 417 Senior Design in Technology	3

Electronics (33 semester hours)

IET 144 D.C. Circuit Analysis	3
IET 145 A.C. Circuit Analysis	3
IET 244 Electronic Circuits	3
IET 314 Industrial Electronics	3
IET 344 Analog Electronics	3
IET 345 Digital Electronics	3
IET 348 Electronic CAD	3
IET 367 Microprocessors	3
IET 404 Signals and Systems	3
IET 447 Advanced Communications Electronics	3
IET 467 Advanced Microprocessors	3

Students must select ONE of the following areas of emphasis.

Technical Science Emphasis

ATS 261 Engineering Materials	3
ATS 300 Statics and Strength of Materials	3
ATS 340 Applied Dynamics	3
ATS 361 Fluid Power	3
ATS 450 Thermodynamics and Heat Transfer	3

Computer Science Emphasis

CSC 160 Elementary Programming in Visual BASIC	3
CSC 262 Computer Programming II	3
CSC 362 Computer Organization and Assembly Language Programming	3
IET 448 Network Hardware	3
CSC 462 Computer Architecture	3
Total Semester Hours in Technical Program	90

All University requirements, including general education, must be met for graduation.

Industrial Education (IED)

The industrial education program is designed for three general groups of students: (1) in-service vocational-industrial teachers, (2) individuals preparing for careers in corporate industrial/technical training, personnel development, or special industrial re-training programs, and (3) those seeking general technology careers in business and industry. This program is not intended for individuals seeking provisional teacher certification in vocational-industrial education or technology education.

Students majoring in this program are required to demonstrate computer proficiency prior to graduation.

General Education (10 semester hours)

MAT 118 Technical Mathematics (or MAT 119 Pre-Calculus Mathematics or MAT 205 Elementary Statistics)	3
PHY 110 Introduction to Physics with lab	4
PSY 100 Introduction to Psychology	3

Core Requirements (48 semester hours)

IET 116 Introduction to Industrial Materials and Processes	3
IET 161 Industrial Electricity Electronics	3
IET 211 Quality Control	3
IET 213 Occupational and Industrial Health and Safety	3
IET 305 Human Relations in Business and Industry	3
IET 310 Problem Solving in Technology	3
IET 265 Manufacturing Processes I	3
IET 315 Personnel Management	3
IET 410 Seminar in Technology	3
IET 415 Construction Management	3
Approved upper-division electives	15

Professional Component (30 semester hours)

IET 180 Foundations of Industrial Education	3
IET 181 Instructional Systems Development	3
IET 280 Instructional Methods of Industrial Education	3
IET 281 Evaluation in Industrial Education	3
IET 380 Organization and Management of Industrial Education (or IET 423 Planning and Design of Industrial Facilities)	3
IET 382 Exceptional Students in Vocational Programs	3
IET 487 Seminar in Teaching Industrial Education	4
IET 488 Problems in Industrial Education	3
EDU 300 Human Growth and Development: Adolescence (or PSY 300 Psychology of Personality)	3
Upper-division elective	2

Area of Concentration (12 semester hours)

12 semester hours of adviser approved upper-division courses in a related field.

Industrial and Labor Relations (ILR)

Professional training for both management and labor can contribute to harmonious relations fostering industrial peace, productivity, and job satisfaction. The field of Industrial and Labor Relations (ILR) provides opportunities for business and industrial managers, governmental officials, and union leaders.

The program is designed as an applied, practical one in industrial and labor relations. While a theoretical background is provided, the emphasis is placed upon applying ILR to the work setting and developing an appreciation of the actual labor-management process.

Students majoring in ILR must complete lower-division related requirements, general education requirements, a 27-semester-hour core, and an additional 15 semester hours from one of two tracks, consistent with interests and career plans.

Related Requirements (9 semester hours)

IET 117 Introduction to Supervision	3
IET 310 Problem Solving in Technology	3
SPE 210 Argumentation and Debate (or SPE 220 Interpersonal Communication)	3

Core (27 semester hours)

LAS 300 Introduction to Labor Relations	3
LAS 301 Labor-Management Negotiations	3
LAS 302 Contract Administration and Dispute Settlement	3
LAS 303 Labor Law	3
LAS 304 Wage and Benefits	3
LAS 320 Problems in Labor Law	3
LAS 490 Seminar in Labor Relations	3
IET 315 Personnel Management	3
BAD 305 Behavior in Organizations: Understanding Organizational Life	3

Areas of Specialization (15 semester hours each)

Choose one of the following two areas of specialization.

- Industrial Relations*—for managers, supervisors, personnel officers, employee relations specialists, and training directors in the private business and industrial sectors. The program is for those who wish to develop competencies in labor/management relations in union and non-union situations.

OST 111 Word Processing Technologies	3
OST 214 Spreadsheet Technologies	3
IET 211 Quality Control	3
IET 305 Human Relations in Business and Industry	3
IET 301 Cooperative Education in Technology	3
IET 311 Productivity Management	3
IET 308 Leadership in a Quality Environment	3
IET 395 Total Quality Teamwork	3

OST 317 Database Technologies	3
OST 422 Designing and Managing Organizational Training	3
PSY 302 The Human Side of Work	3
PSY 344 Industrial/Organizational Psychology	3

2. *Public Sector Labor Relations*—for employees of federal, state, county, or city governments who, as managers, supervisors, trainers, or human resource officials, are involved in contract administration and/or contract negotiations. Given the growth of public sector unions in all levels of government, this specialization is designed to meet a rapidly growing need.

PAD 300 Introduction to Public Administration (required)	3
PAD 401 Public Personnel (required)	3
PAD 412 Law for Administrators	3
IET 301 Cooperative Education in Technology	3
IET 308 Leadership in a Quality Environment	3
IET 395 Total Quality Teamwork	3
OST 111 Word Processing Technology	3
OST 214 Spreadsheet Technologies	3
OST 317 Database Technologies	3
IET 305 Human Relations in Business and Industry	3
PSY 302 The Human Side of Work	3
PSC 304 Introduction to Law	3
PSY 344 Industrial/Organizational Psychology	3

Area of Concentration (12 semester hours)

12 semester hours of adviser approved upper-division courses in a related field.

Construction Management (CMGT)

This Bachelor of Science program is a balanced curriculum drawn from a variety of disciplines relating to the construction industry. Students gain knowledge and understanding of materials and construction processes, principles of design, and concepts of supervision and human relations. Additional experiences promote development of communication and technical competencies that enable students to excel with technical, managerial, entrepreneurial, and production problems.

Students must fulfill all requirements for the 129-semester-hour degree program including general education, core requirements, technical support, and one of the following: the business and management component or the Entrepreneurial Minor offered by the College of Business.

Core Requirements (43 semester hours)

IET 120 Construction Materials	3
IET 121 Construction Processes	3
IET 122 Architectural Drafting and Design	3
IET 220 Plane Surveying	3
IET 221 Construction Specifications and Project Management	3
IET 222 Architectural CAD	3
IET 230 Electrical and Mechanical Systems Design and Drafting	3
IET 320 Construction Estimating & Project Management	4
IET 322 Structural Drafting and Design	3
IET 323 Land Planning and Development	3
IET 324 Construction Project Coordination	3
IET 325 Construction Safety	3
IET 428 Commercial Architecture	3

Technical Support (15 semester hours)

IET 301 Cooperative Education in Technology	3-9
IET 316 Materials Processing and Fabrication	3
IET 410 Seminar in Technology	3
IET 420 Advanced Plane Surveying	3
IET 424 Construction Restoration and Renovation	3
IET 425 Computer Applications in Construction	3
IET 426 Heavy Construction Techniques and Analysis	3
IET 427 Construction Law and Legal Contracts	3

Support Requirements (14 semester hours)

GLY 110 The Face of the Earth with lab	4
PHY 110 Introduction to Physics with lab	4
MAT 119 Pre-Calculus Mathematics	3
IFS 105 Introduction to Business Computing	3

Choose one of the following required mathematics courses

MAT 111 Introductory Linear Math	3
MAT 112 Calculus for Business Applications	3
MAT 121 Calculus 1A	3
MAT 205 Introduction to Statistical Methods	3

Choose one of the following:

Entrepreneurial Minor (21 semester hours)

Entrepreneurial Minor - see College of Business section *or*

Business and Management (15 semester hours)

IET 305 Human Relations in Business and Industry	3
IET 315 Personnel Management	3
IET 415 Construction Management	3
LAS 300 Introduction to Labor Relations	3
LAS 302 Contract Administration and Dispute Settlement	3
ACC 205 Introduction to Financial and Managerial Accounting	3
MGT 205 Introduction to Business and Management	3
MKT 305 Principles of Marketing	3

Total Program Hours

126-132

Mechanical and Manufacturing Engineering Technology (MMET)

This bachelor's degree program is designed to provide students with the knowledge and skills needed to succeed in today's industrialized society. Modern industrial societies are centered on the successful production, distribution, and utilization of mechanized devices and techniques. Robust design methods are pivotal in the manufacturability, performance and economic feasibility of these devices. Together with study of the basic engineering principles, design is the corner stone of the Mechanical and Manufacturing Engineering Technology program. Students choosing Mechanical Engineering Technology as their emphasis will focus on the relationship between design and performance of parts and products. Students selecting Manufacturing Engineering Technology will focus on different manufacturing methods and practices vital in the production of high-quality devices.

The previous but related MET program is accredited by the Technology Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; phone 410-347-7700.

Mechanical and manufacturing engineering technology graduates will be prepared to create efficient solutions to problems in design, material applications, processes analysis, computer applications, quality assurance, quality control, product testing and analysis, automated fabrication and assembling, and the management of production.

*Support Requirements (*will also fulfill General Education)*

CHE 120 General Chemistry I*	3
MAT 119 Pre-calculus Mathematics*	3
MAT 121 Calculus IA	3
MAT 205 Introduction to Statistical Methods	3
PHY 211 General Physics with Laboratory *	5
PHY 213 General Physics with Laboratory II	5
CSC 260 Computer Programming I or	
CSC 160 Elementary Programming in Visual Basic	3

MMET Core Requirements

IET 116 Intro to Industrial Materials and Processes	3
IET 161 Industrial Electricity & Electronics	3
IET 211 Quality Control	3

IET 212 Computer Aided Drafting and Design	3
IET 265 Manufacturing Processes I	3
IET 300 Robotic Systems	3
IET 301 Cooperative Education in Technology	3
IET 310 Problem Solving in Technology	3
IET 317 Research in Technology	3
IET 417 Senior Design in Technology	3
ATS 261 Engineering Materials	3
ATS 300 Statics and Strength of Materials	3
ATS 340 Applied Dynamics	3
ATS 361 Fluid Power	3
ATS 450 Thermodynamics and Heat Transfer	3

IET 222 Architectural CAD	3
IET 230 Electrical and Mechanical Systems Design and Drafting	3
IET 301 Cooperative Education in Technology	3
IET 320 Construction Estimating and Project Managements	4
IET 322 Structural Design and Drafting	3
Technical elective	6

Select one of the following areas: Mechanical Engineering Technology Emphasis or Manufacturing Engineering Technology Emphasis.

Mechanical Engineering Technology Emphasis

MAT 122 Calculus IB	3
IET 261 Heat Power	3
IET 362 Tool Layout and Design	3
IET 386 Electro-Mechanical Instrumentation & Control	3
IET 405 Metrology and Geometric Tolerancing	3
IET 412 Advanced CADD	3
IET 423 Planning and Design of Industrial Facilities	3
IET 462 Applied Finite Element Modeling	3

Manufacturing Engineering Technology Emphasis

MAT 111 Introductory Linear Mathematics	3
IET 305 Human Relations in Business & Industry	3
IET 311 Productivity Management and Cost Analysis	3
IET 321 Scheduling and Planning	3
IET 341 Integrated Resource Planning	3
IET 365 Manufacturing Processes II	3
IET 423 Planning and Design of Industrial Facilities	3
IET 465 Automated Manufacturing Systems	3

*Students taking IET 311, IET 321, and IET 341 are eligible to take APICX certificate exam.

**Students interested in obtaining an ASQ (American Society for Quality) certificate can take the following two courses as well.

IET 308 Leadership in the Quality Environment

IET 411 Quality Assurance and Auditing

All University requirements including general education must be met for graduation.

ASSOCIATE DEGREE PROGRAMS

Construction Technology (CST)

Due to the growth and expansion of the modern construction industry, employment opportunities are numerous and varied. Graduates of the program will have acquired the abilities to plan, develop, and supervise construction of commercial buildings, residences, and other structures. Construction technicians provide services to engineers, architects, developers, construction materials designers, manufacturers, and distributors.

Support Component (7 semester hours)

GLY 110 The Face of the Earth with Lab or PHY 110 with Lab	4
MAT 118 Technical Mathematics (or MAT 119 Pre-Calculus Mathematics)	3

Specialization Component (46 semester hours)

IET 310 Problem Solving in Technology	3
IET 119 Fundamentals of Construction	3
IET 120 Construction Materials	3
IET 121 Construction Processes	3
IET 122 Architectural Design and Drafting	3
IET 305 Human Relations in Business and Industry	3
IET 220 Plane Surveying	3
IET 221 Construction Specifications and Project Management	3

AVIATION ADMINISTRATION (AVA)

Associate degree graduates in aviation administration are prepared to occupy positions such as technicians, first-level supervisors, fixed-base operators, and other entry-level positions for airlines, major airports, government aviation agencies, and travel bureaus.

AVA 100 Introduction to Aviation	3
AVA 120 Principles of Passenger and Air Cargo Management	3
AVA 180 Theory of Flight	3
AVA 200 Seminar in Aviation Problems	3
AVA 210 Aviation Laws and Regulations	3
AVA 220 Aviation Marketing	3
AVA 240 Airport Operations	3
AVA 296 Aviation Internship (or IET 301 Cooperative Education in Technology)	3
ECO 200 Principles of Macroeconomics	3
ENG 101 College Writing	3
ENG 291 Advanced Writing	3
ENG 347 Technical Writing	3
IET 110 Introduction to Technology	3
IET 117 Introduction to Supervision	3
IET 305 Human Relations in Business and Industry	3
IET 315 Personnel Management	3
MGT 205 Intro to Business and Management	3
MAT 111 Introductory Linear Mathematics	3

Students going on to four-year programs are strongly urged to take ECO 201 Principles of Microeconomics.

MINORS

Transfer credit will not be accepted for the upper-division coursework in any minor in the Department of Technology.

Electronics Technology (21 semester hours)

The minor in electronics technology is designed to offer expertise in electronics to those students who need or want this background as a supplement to majors in technology, mathematics, computer science, information systems, or other programs that may directly or indirectly interact with electrical or electronic skills.

IET 144 D.C. Circuit Analysis	3
IET 145 A.C. Circuit Analysis	3
IET 244 Electronic Circuits	3
IET 345 Digital Electronics	3
Speciality courses - select 3 of the following:	
IET 314 Industrial Electronics	
IET 344 Analog Electronics	
IET 348 Electronic CAD	
IET 367 Microprocessors	
IET 447 Advanced Communication Electronics (IET 344 prereq.)	
IET 448 Network Hardware	
IET 467 Advanced Microprocessors (IET 367 is prereq.)	

Industrial and Labor Relations (18 semester hours)

The minor in industrial and labor relations provides students with an understanding of organized labor.

LAS 300 Introduction to Labor Relations	3
LAS 301 Labor-Management Negotiations	3
LAS 302 Contract Administration and Dispute Settlement	3
LAS 303 Labor Law	3
LAS 304 Wage and Benefits	3
LAS 320 Problems in Labor Law	3

Industrial Technology (21 semester hours)

The minor in industrial technology is designed to provide an opportunity to broaden the understanding of the technological nature of the work places in society. The objectives of the program are to

1. enable the learner to relate the elements of industry to the production of goods and provision of services;
2. provide a program experience that will explore the technical and social/cultural aspects of industrial technology;
3. promote the development of creative abilities in solving problems typical of contemporary industries;
4. provide a synthesizing experience for the learner to relate his/her chosen field to an industrial setting.

IET 310 Problem Solving in Technology	3
IET 112 Technical Graphics	3
IET 116 Introduction to Industrial Materials and Processes (or IET 120 Construction Materials)	3
IET 316 Materials Processing and Fabrication	3
IET 317 Research in Technology	3
IET approved electives (must be upper-division courses)	6

Organizational Systems Technology (21 semester hours)

The minor in organizational systems technology consists of 21 semester hours—12 required, and 9 in one of four options (training, technical, communication, administrative).

Core Courses Required (12 semester hours)

OST 111 Word Processing Technologies	3
OST 214 Spreadsheet Technology	3
OST 300 Organizational and End-User Systems Concepts	3
OST 311 Written Communication Systems	3

One of the following options (9 semester hours):

Training Option

OST 325 Electronic Publishing/Presentation Technologies	3
OST 330 The Internet: Concepts/Techniques for Work in Technology Related Fields	3
OST 422 Designing and Managing Organizational Training	3

Technical Option

OST 317 Data Base Technologies	3
OST 320 Communication Technologies	3
OST 330 The Internet: Concepts/Techniques for Work in Technology Related Fields	3

Communication Option

OST 310 Intercultural Business Communications	3
OST 325 Electronic Publishing/Presentation Technologies	3
OST 330 The Internet: Concepts & Techniques for Work in Technology-Related Fields	3

Administrative Option

OST 323 Systems Planning and Implementation	3
OST 324 Operating Systems Technologies	3
OST 422 Designing and Managing Organizational Training	3

CERTIFICATES**Certificate in Organizational Systems (15 semester hours)**

This program is designed to provide basic elements of office systems technology by pursuing existing regularly scheduled courses. It offers an opportunity for office personnel to gain additional skills and knowledge necessary to successfully fulfill their respective roles in the ever-changing organizational environment.

The organizational systems certificate will be awarded upon successful completion of three courses, as follows:

OST 111 Word Processing Technologies	3
OST 214 Spreadsheet Technologies	3

OST 311 Written Communications Systems	3
--	---

Two of the following:

OST 317 Database Technologies	3
OST 324 Operating Systems Technologies	3
OST 325 Electronic Publishing/Presentation Technologies	3
OST 330 Internet: Concepts & Techniques for Work in Technology-Related Fields	3

Certificate in Leadership Development (non-degree)

This program is designed to provide basic elements of supervision by utilizing existing courses. Its purpose is to provide an opportunity for organizational personnel selected for or aspiring to a supervisory role to gain essential skills and knowledge for that role.

The certificate will be awarded upon successful completion of 15 semester hours as follows:

IET 117 Introduction to Supervision	3
IET 305 Human Relations in Business and Industry	3
IET 308 Leadership in the Quality Environment	3
IET 395 Total Quality Teamwork	3
IET 315 Personnel Management	3

Certificate in Architectural Drafting

This program is designed to prepare students for entry-level positions as drafters in the architectural and construction industries. This certificate program offers the opportunity for students to gain skills on the board and CAD, while developing a basic understanding of construction materials and processes. All courses in this certificate program may be transferred into the Construction Technology (CST) Associate Degree Program. This certificate program requires 21 semester hours.

IET 119 Fundamentals of Construction	3
IET 120 Construction Materials	3
IET 121 Construction Processes	3
IET 122 Architectural Drafting and Design	3
IET 222 Architectural CAD (Auto CAD)	3
IET 413 Drafting in a Specialized Field	3
IET 301 Cooperative Education	3

