

## 2001-03 Undergraduate Catalog

# College of Health and Human Services

College of Health and Human Services  
102 Health Center, 372-8242  
[www.bgsu.edu/colleges/hhs](http://www.bgsu.edu/colleges/hhs)

### College administration

Clyde R. Willis, Ph.D., dean, 102 Health Center, 372-8242  
Barbara Keeley, R.N., M.S.N., director of program advisement, nursing coordinator and summer dean, 102 Health Center, 372-8242  
Matt Webb, M.A., associate director of program advisement, 102 Health Center, 372-8242  
Louise Kimpel, R.N., B.S.N., nursing adviser, 102 Health Center, 372-8242

### Programs

Applied Health Science, Bob Harr, M.A., director, 504 Life Sciences, 372-8109  
Art Therapy, Randy James, M.A., director, 127 Fine Arts Center, 372-2786  
Criminal Justice, Steven Lab, Ph.D., director, 223 Health Center, 372-2326  
Environmental Health, Gary Silverman, D.Env., director, 223 Health Center, 372-7774  
Gerontology, Steven Fulks, Ph.D., director, 223 Health Center, 372-2326  
Physical Therapy, 102 Health Center, 372-8242 (or Catherine Hornbeck, M.S., P.T., chair, Medical College of Ohio, 383-3519)  
Social Work, Glenn Shields, D.S.W., director, 223 Health Center, 372-2326

### Departments

Communication Disorders, Linda Petrosino, Ph.D., chair, 200 Health Center, 372-2515  
Human Services, Steven Lab, Ph.D., chair, 223 Health Center, 372-2326  
Medical Technology, Bob Harr, M.A., chair, 504 Life Sciences, 372-8109

### School

School of Nursing, Barbara Keeley, R.N., M.S.N., coordinator, 102 Health Center, 372-8242 (or Jeri A. Milstead, Ph.D., R.N., dean, Medical College of Ohio, 383-5858)

### Academic objectives

#### Philosophy

Human dignity, health and safety are three of an individual's most prized possessions and, as such, should be protected. The professional programs offered in this college were founded in response to the needs of individuals. The education of students in this college embraces knowledge from diverse sources, including a liberal general education. Students graduating from this college should be prepared to examine their roles and modify practice in response to new information. They should be able to act as catalysts in initiating and implementing new patterns of practice aimed at bettering the human condition. For these reasons education is directed toward inspiring and developing problem-solving and creative capabilities in students. Additionally pre-professional and professional education must be regarded as preparation for a lifetime of continued learning which enhances the process of self-actualization for the individual.

#### Academic advising

The College of Health and Human Services provides a variety of academic advising for its students. Each student is assigned a faculty adviser within the selected program and career information and advising services are provided for students in the college advising office, 102 Health Center. The responsibility for meeting graduation requirements lies with the student and not with the adviser, the program director or the dean. Students are encouraged to seek assistance to assure that they take advantage of all the opportunities available at BGSU. Reading and following the information in the Undergraduate Catalog and the College Academic Handbook are essential.

#### Guidelines for transfer students

**Students transferring within BGSU** into the College of Health and Human Services from another college need to initiate the transfer process in their present college. After filling out a college transfer form, the student needs to make an appointment with an adviser in the College of Health and Human Services' advising office, 372-8242.

**Students transferring from another institution**, upon admission to BGSU, will have their coursework evaluated against the BGSU requirements. To facilitate transfer, transfer guides have been developed for most of the institutions in Ohio. These guides are available in the advising office, 102 Health Center.

Transfer students interested in the **physical therapy program** (must apply to the University by Dec. 1 to be granted formal admission before applying to the physical therapy program) should contact the College of Health and Human Services for detailed information, 372-8242. Out-of-state students must have earned 15 hours at Bowling Green (or another Ohio-state college or university) before being considered a viable applicant to the physical therapy program.

Transfer students applying to the **nursing program** professional curriculum must apply to the University by Dec. 1 so that they may be granted formal admission before applying to the nursing program. Jan. 1 is the deadline for applying to the nursing professional curriculum.

Transfer students interested in the **criminal justice program** must have completed CRJU 210, Introduction to Criminal Justice (or its equivalent at another school), with a "C" or better; and have a 2.5 GPA or better on a minimum of 25 graded semester hours of college coursework before they can apply into the criminal justice program. Applications will be accepted each semester. Admission into the program will also take place each semester.

### Degrees

The degrees awarded by the College of Health and Human Services include:  
Bachelor of Science in Applied Health Science  
Bachelor of Science in Art Therapy (**No new majors accepted after January 1999**)  
Bachelor of Science in Communication Disorders  
Bachelor of Science in Criminal Justice  
Bachelor of Science in Environmental Health  
Bachelor of Science in Gerontology  
Bachelor of Science in Medical Technology  
Bachelor of Science in Nursing  
Bachelor of Science in Social Work

## Special opportunities

### Health Sciences Residential Community

Dunbar Hall, 372-0117  
www.bgsu.edu/colleges/hhs/ResCom.html

The Health Sciences Residential Community (HSRC) provides a supportive residential environment for students majoring in any of the life/health sciences. The community provides assistance with courses by offering study groups, reference materials, computer software and personal help. Faculty and staff work closely with students. Regular programs provide opportunities for students with common interests to socialize and learn more about health-related professions. Special facilities within Dunbar Hall are reserved for the community and provide quiet work spaces and study areas.

### Graduate degrees

BGSU also offers master's degrees in communication disorders and rehabilitation counseling as well as a doctoral degree in communication disorders. A gerontology graduate certificate program is also available.

### Student organizations

There are eight active student organizations in the college, many connected with their national professional organizations. Students can obtain useful information about the career they have chosen as well as get to know other students with similar academic or professional interests.

## General University requirements

### English

Each student is required to complete ENG 112. ENG 110 and/or 111 also may be required depending on the student's placement, but only six hours from ENG 110/111/112 count toward graduation.

### General education

The College of Health and Human Services requires a minimum of eight courses from the approved list of general education courses (see p. 5). The requirements include two courses in each of the knowledge domains in natural sciences, social sciences, humanities and arts, one course in cultural diversity in the United States and one general education elective. One course from social sciences or humanities/arts must be from an international perspective. Some programs may suggest which courses to take so see an adviser.

### Readmission policy

Students returning to the University after an absence who have completed a portion of a professional program must have those courses re-evaluated by the program or department. It should be understood that

certain courses may be outdated or lack relevancy to the current professional curriculum and may have to be repeated. Additionally new course requirements may have been added to the curriculum by the department or by the University. Furthermore, it shall be the responsibility of the department or program to determine the appropriate checksheet for meeting the major requirements.

## Degree program requirements

In most cases, the sequence of courses listed below must be completed in order to meet the requirements for the major or for professional certification. Upon the recommendation of the program director, and with final approval resting with the dean of the College of Health and Human Services, some courses may be substituted.

### ♦Applied Health Science

504 Life Sciences, 372-8109

The applied health science major is designed to prepare graduates for work in a health-related field and for further education and training at the post baccalaureate level. The AHS major consists of four separate tracks which have common general education, core and supportive requirements but differing cognate courses. The diversified curriculum provides a strong background in the basic sciences and emphasizes the development of critical thinking and problem-solving skills.

The *health science track* is designed to prepare students for entry into post baccalaureate programs in physical therapy, occupational therapy, physician assistant, public health, occupational and environmental health and a variety of other options including medical school.

The *allied health track* is open to any student who has completed an accredited associate degree program in an allied health field. Those courses which comprise the technical or clinical practice component of the associate degree may be used to satisfy the cognate requirements of the baccalaureate degree.

The *applied microbiology track* is designed to prepare students for work in public health agencies, infection control, food production and research, medical microbiology and the biotechnology industry. Additionally the major will prepare students for entry into graduate programs of microbiology and public health.

The *pre-physical therapy track* is designed for students who wish to enroll in the BGSU/MO 3+3 program. Students complete prerequisite courses for physical therapy during the first three years. The final year of the baccalaureate degree comprises the first year of three spent at MCO as the professional program of study. Students who successfully complete this year receive the bachelor of applied health science. The master of science in biomedical sciences

with a concentration in physical therapy is awarded by MCO to students when they have successfully completed the final two years at MCO.

### Learning Outcomes

Upon completion of the baccalaureate degree, students in applied health science are expected to:

- Master fundamental principles of natural science, social science and mathematics, read the scientific literature and critically evaluate research findings;
- Use reference materials, empirical methods and statistical and computing skills to solve occupational problems, detect/resolve problems and errors, and develop/test/validate new models;
- Abide by laboratory safety rules, policies and regulations, recognizing any unsafe conditions and correcting them;
- Instruct others in occupational practices and procedures;
- Make decisions based upon ethical principles.

### Sample program (health science track)

#### First year

ENG 111, 112 (6)  
MATH 120, 128 or 130 (3-5)  
MATH 115 (3)  
General Chemistry (8-10)  
CS 100 (3)  
BIOL 205 (5)  
SOC 101 (3)

#### Second year

PHYS 201, 202 (10)  
PSYC 201, 240 (7)  
GERO 101 (3)  
Cultural diversity in U.S. (3)  
Humanities elective (one from international perspective) (6)

#### Third year

BIOL 331, 332 (8)  
PSYC 311, 405 or SOC 301 (3)  
ENG 207 or 388 (3)  
MEDT 301 (2) or PUBH 320 (3)  
HED 215, PUBH 320 or F&N 207 (3)  
MATH 116, 126, 131 or 134 (3-5)  
CDIS 223, IPC 102, 306 or 406 (3)

#### Fourth year

GERO 330 (3)  
LEGS 425 (3)  
BIOL 313 or 314 and 315 (4)  
CHEM 306, 308-309 (8)  
PHIL 319 (3)  
MEDT 401 (3)  
PUBH 330 (3)

### ♦Art Therapy

1000 Fine Arts Center, 372-2786

**[No new majors accepted after January 1999.]**

## ◆Communication Disorders

200 Health Center, 372-2515

Speech-language pathologists and audiologists specialize in the study and treatment of human communication disorders. They work in a variety of professional settings such as public and private schools, hospitals, community clinics, universities, nursing homes and other health care facilities, as well as in private practice. Speech-language pathologists and audiologists work with all ages, from infants to the elderly.

The minimum entry-level qualification for professional practice in the fields of speech-language pathology and audiology is a master's degree. The undergraduate curriculum in communication disorders is designed to provide instruction in the basic components of the discipline and to prepare the student for entrance into a graduate training program in communication disorders or other related fields. The undergraduate student will study the basic speech and hearing sciences and the normal human communication process, as well as the theoretical and practical aspects of therapy. Clinical observations are required and a clinical methods class will prepare the student for beginning work with clients. The school practicum experience occurs at the graduate level, however it is strongly recommended that students take the necessary coursework for school certification at the undergraduate level. These courses can be taken as electives.

Admittance to the undergraduate major is restricted to those applicants meeting the following requirements:

1. A minimum GPA of 2.5 in CDIS 223, 224 and 225 with no grade lower than a "C";
2. Completion of a speech-hearing screening exam;
3. An overall GPA of 2.5 after 30 hours.

For a student to maintain a CDIS major once admitted, the student must have:

1. Minimum grade of "C" in all CDIS courses completed;
2. 2.5 GPA in the major;
3. 2.5 GPA overall

All major core courses must be taken for a grade, except for those courses graded only "S/U".

### Learning Outcomes

Upon completion of the baccalaureate degree, students in communication disorders are expected to:

- Demonstrate knowledge of basic principles of biological and physical sciences, mathematics, and social and behavioral sciences;
- Demonstrate the ability to analyze, synthesize and evaluate information in basic human communication processes and disorders thereof;

- Apply critical thinking and analysis to issues in communication disorders relating theoretical foundations to clinical practice;
- Observe and critically evaluate clinical work in communication disorders;
- Demonstrate qualifications for post baccalaureate work in at least one of the following: 1) entry into a health and human service profession not requiring a graduate degree; 2) entry into a graduate program in allied health or related fields; or 3) entry into a graduate program in communication disorders.

### Suggested program

#### First year

- BIOL 205 (5)
- ENG 112 or equivalent (3-6)
- MATH 120 or 128 (5)
- CDIS 223, 224 (6)
- CDIS 225 (3)
- Humanities and arts (3)
- International perspective course (3)

#### Second year

- IPC 102 (3)
- PHYS 101 or 201 (3-5)
- CS 100 or 101 (3)
- PSYC 201 (4)
- DIF 302 (3)
- CDIS 301, 311 (7)

#### Third year

- EDSI 431 (3)
- PSYC 270 or SOC 369 (3)
- PSYC 303 (3)
- GERO 101 or SOC 404 (3)
- CDIS 351, 302 (6)
- Social science (3)
- General education elective (3)
- Natural science (3)

#### Fourth year

- REHB 401 (3)
- PSYC 304 (2)
- PSYC 309 or GERO 330 (4)
- PSYC 405 (3)
- EDSE 324 or 459 (3)
- CDIS 361, 401 (7)
- Cultural diversity (3)

\*The student will be placed into CDIS 421 by his or her academic adviser during the junior or senior year. The student will only be able to take 421 at the time designated by the adviser because of the need to limit the enrollment in such a clinical practicum class.

## ◆Criminal Justice

223 Health Center, 372-2326

The criminal justice program integrates coursework and interaction with professionals in various disciplines to prepare students for graduate school, law school and careers throughout the criminal and juvenile justice systems. Graduates of the program work in local law enforcement, state and federal investigative agencies, correctional institutions, adult and juvenile probation and parole, victim's services, private security and

other human service-related fields. The graduate of the program receives a bachelor of science in criminal justice degree.

Admittance to the program is restricted to those applicants meeting the following requirements:

1. Completion of CRJU 210 or its equivalent with the grade of a "C" or better;
2. Have a 2.5 GPA or higher on a total of at least 25 semester hours of college coursework.

Entering freshmen can be admitted if they have an ACT composite score of 24 or higher and high school GPA of at least 3.0.

The program places emphasis on superior academic attainment, ability to communicate verbally and in writing, and research potential. Every student must complete an original proposal for research (CRJU 480, Senior Seminar) as well as the field placement or practicum. The student is responsible for developing the internship site. However, all internships are subject to the approval and supervision of the program faculty. It is anticipated that a large number of CRJU graduates will go on to graduate school, law school or enter the field of practice with a view to becoming supervisory-level personnel.

All core courses and core elective courses must be taken for a grade and earn a "C" or higher.

### University and general education group requirements

- ENG 112 or equivalent
- Natural sciences (two courses)
- Humanities and arts (two courses-one from an international perspective)
- Social sciences: POLS 110; PSYC 201; SOC 101
- Cultural diversity in the United States SOC 316

### Core courses

- CRJU 210, 220, 320, 330, 420, 480
- DHS 300, 330
- PHIL 327
- POLS 303
- PSYC 405
- SOC 301 or PSYC 311
- SOC 340, 441, 442
- SOC 316 or ETHN 312 or 301 or 302 or HDFS 408
- One computer science course
- One statistics course

### Internship

480 agency hours for nine credit hours (CRJU 491) and practicum seminar for three credit hours (CRJU 492)

### Core electives

14-17 hours selected from the list of approved courses and those for which special permission is granted; should be selected carefully to supplement and enrich the criminal justice core courses

**Learning Outcomes**

Upon completion of the baccalaureate degree, students in criminal justice are expected to:

- Identify, investigate and propose solutions to problems/issues facing the criminal justice system;
- Critically evaluate policies and practices of the criminal justice system;
- Communicate effectively, both orally and in written form.

**Suggested program****First year**

CRJU 210  
 ENG 112 or equivalent  
 POLS 110  
 PSYC 201  
 SOC 101  
 Natural sciences  
 International perspective course  
 Humanities and arts

**Second year**

CRJU 220, 230, DHS 300, 330  
 Computer science course  
 Statistics course  
 Completion of general education requirements

**Third year**

CRJU 320, 330, 370, 420  
 Core courses and core electives

**Fourth year**

CRJU 491, 492 (12)  
 CRJU 480  
 Completion of core courses and core electives

**♦Environmental Health**

223 Health Center, 372-7774

Environmental health graduates are specialists in protecting the environment. They are prepared to evaluate and control threats to air, water and soil. Examples of threatened and threatening environments include such disparate settings as remote mountain lakes, steel mills, rural housing, print shops, restaurants, groundwater aquifers, plastics formulators and wetlands. The environmental health scientist may focus on the health of a particular occupational workforce or the general well-being of a community. In all cases the ability to look comprehensively at environmental problem solving is critical.

Graduates meet the educational requirements to become Registered Sanitarians (RS) and Certified Industrial Hygienists (CIH) after gaining sufficient experience and passing the appropriate professional examinations. Primary places of employment are in industry, government, insurance risk management agencies, environmental engineering firms, consulting firms, testing laboratories, health care facilities and educational institutions.

The curriculum emphasizes the biological, chemical and physical sciences with additional requirements linking policy with successful practice. Students learn to

investigate and sample indoor and outdoor environments, and implement techniques to solve environmental problems. Further hands-on experience is obtained working in our dedicated environmental health laboratories. Study is enhanced through an internship experience as a working professional in either an agency or a private company. As one of only 23 nationally accredited environmental health programs in the United States, the educational experience is notably comprehensive and well-directed. Please check with the program office for further specifics about the program and for information about enrollment policies.

**Learning Outcomes**

Upon completion of the baccalaureate degree, students in environmental health are expected to:

- Think critically and creatively while demonstrating knowledge and abilities useful in the professional workforce;
- Function as a member of an environmental health team in the public or private sector;
- Fully participate in the art and science of identifying, evaluating and managing environmental factors that can adversely impact the health of humans and their environment.

**Sample program****First year**

ENG 112  
 MATH 128  
 CHEM 125, 127, 128  
 PSYC 270  
 CS 100  
 General education requirements and electives

**Second year**

BIOL 204, 205  
 PHYS 201  
 POLS 336  
 ECON 200  
 CHEM 306  
 General education requirements and electives

**Third year**

ENVH 302, 303  
 ENVH 304, 305  
 ENVH 301  
 ENVH 306  
 Program option requirements  
 General education requirements and electives

**Fourth year**

ENVH 402, 403  
 ENVH 405  
 ENVH 407  
 ENVH 449  
 ENVH 491 Internship  
 ENVH 492  
 Program option requirements  
 General education requirements and electives

**Minor (22 hours)**

Required courses include:

- 10 credit hours of foundational biological sciences to consist of BIOL 204 & BIOL 205 or 10 credit hours of foundational chemical sciences to consist of CHEM 125, CHEM 127 & CHEM 128
- 9 credit hours of foundational environmental health courses to consist of ENVH 210, ENVH 301, and ENVH 306
- 3 credit hours of an advanced environmental health course consisting of ENVH 407, ENVH 449.

Other environmental programs are also offered by the College of Arts and Sciences (see p. 60) and the College of Technology (see p. 138).

Students should contact the Environmental Health Program, 372-7774, for help in selecting the program that most closely meets their career objectives.

**♦Gerontology**

223 Health Center, 372-2326

The bachelor of science in gerontology degree prepares graduates for positions in agencies and institutions that administer and deliver services for older adults, including senior centers, nutrition programs, nursing homes, recreation and counseling agencies, research organizations and social service agencies.

While providing a basic background in general studies, the gerontology program is flexible enough to permit students to select courses that will best prepare them for particular types of careers within the general field of aging.

Each student in the gerontology program selects a cognate area from areas such as administration, biology, health, human resource management, psychology, recreation and sociology. Cognate areas are designed by the student and his or her academic adviser.

Students pursuing the general gerontology track can expect to graduate in the eight-semester sequence provided they begin the sequence as a freshman or early in their sophomore year.

New majors are admitted to the gerontology program according to the following criteria:

1. Completed GERO 101 (Introduction to Gerontology) or its equivalent on the record with a "C" or better;
2. Completed a 2.5 GPA or higher on a total of at least 30 credit hours.

Prior to admission, students will be classified as pre-gerontology majors in the College of Health and Human Services. Pre-majors are not permitted to take upper-division gerontology courses. Majors who wish to transfer from one option to another within the gerontology program must also meet these requirements. Details about admission may be obtained from the gerontology office, 223 Health Center.

During the course of the program, each student completes either a 400 or 800 hour field placement in an agency or an institution serving older adults. Prior to the field experience, each student must complete a 50 hour volunteer or paid experience in a facility or a program with elderly clients.

### Learning Outcomes

Upon completion of the baccalaureate degree, students in gerontology are expected to:

- Critically evaluate contemporary policies and practices, as well as social and cultural issues, as they relate to the elderly, gerontology and long-term care;
- Demonstrate mastery of key concepts related to aging and societal responses in meeting the needs of the aging population;
- Communicate knowledge about aging to diverse audiences, both orally and in writing.

### Suggested program

#### First year

ENG 112 or equivalent (3-6)  
 GERO 101 (3)  
 PSYC 201 (4)  
 BIOL 104 or 205 (4-5)  
 F&N 207 (3)  
 Cognate requirements  
 General education requirements  
 Electives

#### Second year

BIOL 332 (4)  
 DHS 330 (3)  
 GERO 330 or PSYC 309 (3)  
 PSYC 270 or SOC 369 (3-4)  
 Cognate requirements  
 General education requirements  
 Electives

#### Third year

BIOL 310 (2)  
 GERO 301 (3)  
 PHIL 319 (3)  
 F&N 436 (3)  
 DHS 300 (3)  
 Cognate requirements  
 Electives

#### Fourth year

GERO 402, 410, 420, 493 (10)  
 GERO 491 (10)  
 Cognate requirements  
 Electives

This program is subject to revision and may be modified to meet student needs.

### Long-Term Care Administration Option

A special option available to students majoring in gerontology is to elect a specially designed cognate, long-term care administration, which prepares the student to seek an Ohio Nursing Home Administrator's license. This cognate consists of 12 courses in accounting, business administration, economics, finance, legal studies and management. The student is also required to complete a practicum of a minimum of 800 hours of experience in an approved nursing

facility under the supervision of an Ohio licensed nursing home administrator.

Because of the need for close supervision of the student registered for this practicum experience, it is recommended that the placement be in a facility in close proximity to Bowling Green. The student should also be aware that 132 hours are required for graduation in the long-term care administration option.

Students pursuing the long-term care administration specialization should be aware of the additional coursework and practicum requirements, which make one or two additional semesters necessary.

### Suggested program

#### First year

ENG 112 or equivalent (3-6)  
 GERO 101 (3)  
 PSYC 201 (4)  
 BIOL 104 or 205 (4-5)  
 F&N 207 (3)  
 General education requirements  
 Electives

#### Second year

CS 100 or MIS 200 (3)  
 ACCT 221, 222 (6)  
 BIOL 332 (4)  
 ECON 202, 203 (6)  
 DHS 330 (3)  
 GERO 330 or PSYC 309 (3)  
 GERO 301 (3)  
 STAT 212, PSYC 270 or MATH 115 (3-4)  
 Electives

#### Third year

BIOL 310 (2)  
 BA 325 (3)  
 FIN 300 (3)  
 LEGS 301 (3)  
 MGMT 305 or 360 (3)  
 PHIL 319 (3)  
 F&N 436 (3)  
 DHS 300 (3)  
 Electives

#### Fourth year

BA 420 (3)  
 GERO 410, 411, 420, 493 (10)  
 GERO 491 (10)  
 LEGS 425 (3)  
 MGMT 361 (3)  
 MGMT 465 (3)  
 GERO 402 (3)  
 Electives

#### Fifth year

GERO 491 (20)

This option has been approved by the Ohio Board of Examiners of Nursing Home Administrators and may not be modified without the approval of the board.

### ♦Medical Technology

(Clinical Laboratory Science)  
 504 Life Sciences Building, 372-8109

Certified medical technologists (clinical laboratory scientists) perform tests that aid in the detection, diagnosis and treatment of disease. Medical technology is composed of five clinical laboratory sciences: blood

banking, clinical chemistry, hematology, immunology and microbiology. Collectively, applications taken from each of these disciplines enable clinicians to make a comprehensive assessment of each patient. Most medical technologists work in laboratories. They may be located in hospitals, clinics, physicians' offices, research centers, industrial and commercial settings. Medical technologists also work in the areas of biotechnology, toxicology and various specialties such as cytogenetics and transplantation. Medical technologists may pursue careers in laboratory supervision, management, education, customer training or sales (instrumentation, pharmaceuticals and new technology).

Students are encouraged to acquire a liberal arts education during the first three years while completing the prerequisite science courses. The senior year is devoted to professional study and training through lectures, laboratory instruction, seminars and supervised clinical practice at an affiliated hospital laboratory. Upon successful completion of the program, students receive a bachelor of science in medical technology and certificate of clinical training, and are eligible to take either of the national certification examinations for medical technologists. The professional studies program in medical technology is fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 West Bryn Maur Avenue, Chicago, IL 630631-3415, (773) 714-8880. The major also prepares students for entry into graduate or professional school.

While acceptance to the major may occur at any time, application to professional training is required and is normally submitted during the junior year. Admission is granted to applicants who have a GPA of 2.5 or higher, have completed all major course requirements with a grade of "C" or better and are chosen for a clinical practicum position at one of the program's affiliate hospitals. These positions are assigned at the time of acceptance by a committee of hospital and University representatives. The clinical affiliates of the program include: Blanchard Valley Regional Health Center, Defiance Hospital, Medical College of Ohio, Northwest Ohio Integrated Laboratories, Medical College of Ohio, St. Vincent/Mercy Medical Center, St. Rita's Medical Center, Fremont Memorial Hospital, Fulton County Hospital and Wood County Hospital. The professional studies program provides experience in research as well as in clinical practice. As an alternative students may apply for their professional training through an accredited hospital-based program that is affiliated with the University.

Students who enter the major as a freshman should complete the degree in four-and-one-half years. Students who transfer from another university or major may require more time to complete the pre-professional portion.

A grade point average of 2.5 or better must be maintained throughout the professional training program. During professional training no more than one course in which a "D" or "F" has been earned may be repeated. A student may not proceed through the practicum portion until all prerequisites have been completed with a grade of "C" or better.

### Learning Outcomes

Upon completion of the baccalaureate degree, students in medical technology are expected to:

- Perform routine and complex laboratory procedures (blood banking, clinical chemistry, immunology, hematology and microbiology) accurately;
- Correlate results of laboratory tests to their clinical significance and make appropriate recommendations;
- Perform quality control and assurance procedures, implementing and documenting corrective action as appropriate;
- Recognize unsafe conditions, correct them and encourage others to improve laboratory safety techniques;
- Communicate effectively with physicians, patients and other members of the health care team;
- Meet professional expectations with respect to the code of ethics for medical technologists;
- Critically evaluate new instrumentation and methods, and develop new procedures;
- Read and understand medical literature and critically evaluate research findings.

### Sample course plan for University-based program (course sequencing may vary)

#### First term

ENG 111 (3)  
MATH 120 (5)  
CS 100 (3)  
CHEM 125 (5)

#### Second term

ENG 112 (3)  
BIOL 205 (5)  
CHEM 127, 128 (5)  
MATH 115 (3)

#### Third term

Science elective (3-5)  
BIOL 332 (4)  
Social science elective (3)  
Cultural diversity in the U.S. (3)

#### Fourth term

Science electives (6-10)  
BIOL 313 (4)  
MEDT 201 (1)  
Humanities and arts elective (3)

#### Fifth term

CHEM 306 or 341 (4-5)  
Social science elective (3)  
Science elective (3-4)  
Humanities and arts elective (3)

#### Sixth term

CHEM 308-309 or 342 (4-5)  
MEDT 411-412 (4)  
MEDT 434 (3)  
MEDT 401 (3)

### Professional training

#### Seventh term

Didactic and laboratory courses in clinical laboratory sciences  
MEDT 413, 414, 421, 422, 435, 451

#### Eighth term

Didactic and laboratory courses in clinical laboratory sciences  
MEDT 431, 432, 436, 441, 442, 423

### Clinical practicum

#### Ninth term

As scheduled at one of the clinical affiliates mentioned above  
MEDT 415, 416, 424, 433, 443, 465, 480

Students may take CHEM 341-342 as physical science/math electives if using CHEM 306-308-309 as program requirements. Students who take CHEM 341-342 as program requirements may take 308-309 as physical science electives (but not 306).

Students taking both CHEM 306 and 341 may apply credit from one or the other toward the 122-hour graduation requirement.

### Science elective courses (four required)

BIOL 331, 350, 405, 407, 408, 421, 426, 438, 439, 443, 449

MATH 131, PUBH 330, CHEM 201, 445, PHYS 201, 202

Other courses by departmental approval

With departmental approval students may complete their senior year at an accredited hospital-based training program in medical technology which has an affiliation agreement with BGSU. Courses that comprise the hospital-based program are MEDT 402 through 407.

### ♦Nursing

102 Health Center, 372-8242  
BGSU Firelands, 433-5560  
Medical College of Ohio, 383-5800

The School of Nursing offers the student an opportunity to become actively involved in health care as a professional nurse with a bachelor of science in nursing degree. The curriculum emphasizes a liberal education combined with the nursing theory and clinical practice needed to develop the educated nurse. A graduate of the nursing program is capable of providing health services for individuals, families and communities and eligible to take the licensing examination to become a registered nurse. The program provides preparation for future graduate study and leadership in nursing.

The School of Nursing is accredited by the Commission on Collegiate Nursing Education and has full approval of the Ohio Board of Nursing.

Fees for the nursing program are the same as for all other degree programs. Additional charges, however, are required for uniforms, professional liability insurance, specific health tests and immunizations, and lab fees. The classes in the nursing major are taught in Toledo at the Medical College of Ohio. For the RN/BSN track, classes are also

offered at BGSU Firelands, and in the Archbold and Lima areas. Transportation to classes and to clinical placements is the responsibility of the student.

The School of Nursing offers two tracks to obtain a bachelor of science in nursing degree:

1. BSN for students entering the nursing profession;
2. RN/BSN for students who are A.D. or diploma graduates and licensed as registered nurses.

Admission requirement information is available from the nursing office.

### Bachelor of Science in Nursing—BSN

A candidate for the bachelor of science in nursing degree must earn a minimum of 123 semester hours of credit either in residence, by advanced standing or through transfer of credits, in addition to the requirements under Academic Policies. A minor is not required for graduation.

### Learning Outcomes

Upon completion of the baccalaureate degree, students in nursing are expected to:

- Design holistic nursing care with individuals, families, groups and communities based on Orem's Self-Care Deficit Theory of Nursing;
- Provide competent, culturally sensitive nursing care in a diversity of settings;
- Use skills of critical thinking in the application of theory and research findings from nursing, other sciences and the humanities as a basis for clinical judgements and scholarly endeavors;
- Develop person-centered, therapeutic relationships with a commitment to individuals as unique self-determining agents;
- Demonstrate effective communication skills (verbal, nonverbal, written and computer based);
- Demonstrate consistent professional behavior;
- Collaborate with patients, families, health care providers and others in the provision of care;
- Integrate principles of leadership and management in the provision and coordination of care;
- Demonstrate self-direction in learning and professional development.

### Admission requirements

Admission to the pre-professional nursing program is through the Office of Admissions. Successful completion of the pre-professional requirements is a prerequisite for admission to the professional nursing program. The number of students accepted into the nursing program is limited by the availability of clinical facilities and faculty.

Admission to the professional program through the School of Nursing is competitive and based upon:

1. Completion of the following prerequisite courses with a "C" or better:
  - ENG 111, 112
  - MATH (competency above 095 level)
  - CHEM 109, 110/117, 118 or 125, 127/128
  - BIOL 205, 314, 315, 331, 332
  - PSYC 201;
2. Minimum cumulative grade point average of 2.5 overall including all transfer work;
3. Faculty evaluation of all candidates for admission to include, but not limited to academic progression (including age of coursework) and repeated coursework.

Admission applications are available from the nursing office and must be submitted by Dec. 15.

#### University requirements

These courses are offered at the BGSU main campus or at BGSU Firelands in Huron, Ohio. Each student is required to complete ENG 112 or demonstrate a proficiency in written expression equivalent to that attained by students who have completed the course. A penalty is imposed if ENG 112 is not completed within the first 60 hours. See Academic Policies.

#### Suggested program

##### First year (pre-professional program)

- CHEM 109, 110, 117/118 or 125, 127/128 (10)
- MATH (competency above 095 level)
- Cultural diversity in the U.S. (3)
- ENG 111 and 112 or equivalent (3-6)
- BIOL 205 (5)
- PSYC 201 (4)
- NURS 100 (1) optional
- General education (3)

##### Second year

- PHIL 102 (3)
- BIOL 314, 315, 331, 332 (12)
- PSYC 240 (3)
- F&N 207 (3)
- PSYC 270; SOC 369 or MATH 115 (3-4)
- Course in international perspective (3)
- Elective computer course (3)

##### Third year

- NURS 301 (summer between sophomore and junior years)
- NURS 311, 312, 313, 314, 321, 362, 363 or 401, 364

##### Fourth year

- NURS 362, 363 or 401, 364, 402, 403, 495, 496
- Electives may be required to meet the 123 hours required for graduation

The above is a suggested program that may be modified according to individual needs and capabilities. The School of Nursing recommends regular academic advisement as the student progresses.

## Bachelor of Science in Nursing—RN/BSN

### Degree track for the registered nurse

The School of Nursing also offers an opportunity for graduates of associate degree and diploma nursing programs to earn a baccalaureate degree with a major in nursing. The RN student achieves the same terminal objectives as the basic student. However, this alternate track for the RN provides for flexibility and an individualized curriculum approach for the nurse in practice. This program is offered through the Bowling Green main campus, BGSU Firelands and outreach campuses in Archbold and Lima.

### Admission requirements

Criteria for seeking admission to the major include:

1. Minimum cumulative grade point average of 2.5 overall including all transfer work;
2. For diploma graduate: successful completion of specific NLN or ERI testing or selected certifications or submission of a portfolio;
3. Current license to practice as a registered nurse in the state of Ohio;
4. Graduation from an NLN accredited school of nursing;
5. Completion of following prerequisite courses with a minimum grade of "C":
  - BIOL 205, 314, 315, 331, 332
  - CHEM 109, 110, 117/118 or 125, 127/128
  - ENG 111, 112
  - MATH (competency above 095 level)
  - PSYC 201

If a grade of less than "C" is earned two courses may be repeated, one time only.

Applications to the nursing major are available in the nursing offices on the main and Firelands campuses, in the LAHEC and the Archbold offices. A lab fee is assessed for all clinical courses.

### Graduation requirements

A minimum of 123 hours is required for graduation, of which 40 hours must be in upper-division coursework. In addition the 30 hours earned immediately before graduation must be completed through Bowling Green State University uninterrupted by coursework at another university or college.

### University requirements

Each student is required to complete ENG 112 or demonstrate a proficiency in written expression equivalent to that attained by students who have completed the course. A penalty is imposed if ENG 112 is not completed within the first 60 hours. See Academic Policies.

RN students must take or transfer in equivalent to math as demonstrated by a competency examination score above 095 level.

### Required supportive courses

Additional required credit hours exclusive of the major include PSYC 240; either PSYC 270, SOC 369 or MATH 115; PHIL 102; F&N 207 and computer course.

### Physical Therapy

102 Health Center, 372-8242  
4416 Collier Building, Medical College of Ohio, 383-3518

**[The physical therapy curriculum has undergone a major revision from a baccalaureate degree to a master's degree. See college adviser for details.]**

The physical therapist is a highly skilled practitioner who is knowledgeable of the health problems of clients with movement dysfunction in all age groups and in a variety of environments. Physical therapy provides a career option for men and women who want to work with other health care professionals in the restoration of maximal functional capabilities of individuals of all ages temporarily or permanently disabled by illness, disease, trauma or congenital abnormalities. Physical therapists provide services in hospitals, rehabilitation centers, ambulatory care centers, skilled nursing facilities, clients' homes, industry, public schools or independently owned physical therapy practices.

During the first three years of undergraduate study students will complete pre-professional coursework that permits them to fulfill all prerequisite requirements and to attain a liberal arts background in communication skills, natural sciences, social and behavioral sciences and the humanities.

The professional phase of the curriculum is provided on the campus of the Medical College of Ohio in Toledo. Coursework in the seven semester professional course of study includes courses in the basic sciences, physical therapy theory and procedures, and applied clinical sciences. Concurrent clinical practicums and a six-month clinical internship, which are required of all students, provide supervised experiences that ensure professional competency.

The first two semesters of the professional curriculum will serve as the fourth year of an applied health sciences degree (pre-physical therapy) program. At the end of the third year of the professional course of study, the student will be awarded a master's degree from the Medical College of Ohio.

Instructional fees for the first year of the physical therapy program at MCO are the same as for all other undergraduate degree programs. However, the last two years of fees are assessed at the master's level and paid to MCO. There are additional costs for professional liability insurance, health examinations and laboratory fees. Transportation to and from classes at the Medical College of Ohio, room and board, and expenses incurred with clinical practicums and internship (e.g., travel, lodging) that may

take the student out-of-state for up to three months are the financial responsibility of the students.

### Admission procedures

Candidates for enrollment in the professional phase of the physical therapy program at the Medical College of Ohio (in consortium with BGSU and the University of Toledo) must:

1. Be admitted to BGSU prior to Dec. 1 of the year they are applying to MCO;
2. Have obtained a minimum of 3.0 cumulative GPA in all post-secondary coursework. No "S/U" options are permitted in courses, except for those courses graded only on that basis;
3. Have obtained a minimum of 3.0 cumulative GPA in the following courses and a minimum grade of "C" in each course:
  - BIOL 205, 331, 332
  - CHEM 125, 127, 128
  - KNS 360
  - PHYS 201
  - PSYC 240
  - Introduction to Statistics;
4. File the physical therapy professional curriculum application prior to the January deadline date (see MCO Web site for exact deadline for the current year) of the year the student wishes to enroll into the professional component of the physical therapy program;
5. Provided documentation of at least two volunteer or paid experiences under the direction of a licensed physical therapist totaling 200 hours, with at least 100 hours in a single facility;
6. Complete a personal interview as stipulated by the admissions committee of the Department of Physical Therapy at the Medical College of Ohio;
7. If selected into the professional component of the Physical Therapy Program:
  - a. Complete all prerequisites and general educational requirements specified by Bowling Green State University;
  - b. File a letter of acceptance as directed by the admissions committee

The availability of clinical facilities and faculty currently limits the number of students that can be admitted from each university.

**Admission to the professional component is competitive; therefore, completion of the admission requirements does not guarantee acceptance to the professional physical therapy program.**

### Selection

The responsibility for selecting students for enrollment in the professional component of the curriculum is vested in the admissions committee, which is composed of representatives from the Department of Physical Therapy at the Medical College of Ohio and appointees from Bowling Green State University and the University of Toledo. Criteria for selection include the strength of the academic record with particular emphasis

on performance in the natural and social sciences, evidence of observation of physical therapy services and personal characteristics important when working with people in the health care fields.

### Sample program

#### First year

ENG 111, 112 (6)  
 BIOL 205, 331 (9)  
 SOC 101 (3)  
 MEDT 101 (1)  
 Humanities (3)  
 MATH 120 (5)  
 PSYC 201 (4)

#### Second year

CHEM 125, 127, 128 (10)  
 BIOL 332 (4)  
 SOC 301 or PSYC 311 (3)  
 PSYC 240 (3)  
 KNS 360 (3)  
 IPC 102 or 306 (3)  
 MEDT 301 (2)  
 Humanities: one must meet the international perspective requirement

#### Third year

PHYS 201, 202 (10)  
 CS 100 (3)  
 CULT DIV (3)  
 MATH 115; PSYC 270 or SOC 369 (3/4)  
 ENG 207 or 388 (3)  
 KNS 370 (3)  
 PHIL 342 (3)  
 HED 215, 216 or F&N 207 (3)

#### Fourth year (courses subject to approval)

Gross Anatomy (5)  
 Analysis of Movement (3)  
 Scientific Inquire (2)  
 Teaching/Learning I (2)  
 Clinical Reasoning (1)  
 Foundations of PT I (2) and II (2)  
 Neuroscience (5)  
 Clinical Pathophysiology (3)  
 Introduction to Examination (2)  
 Health Promotion (3)

### ♦Social Work

223 Health Center, 372-2336

This program is designed to prepare students to be generalist social work practitioners, which is considered the entry level for social workers. The program is built upon a liberal arts foundation. Thus, it provides students with the knowledge and value base of the social work profession as well as the practice skills necessary to work with a variety of clients in various social service agencies.

Students successfully completing the social work program are eligible to take the state license examination in order to become a licensed social worker (LSW). Social workers are employed in public welfare, corrections, health and mental health, and services to the elderly and children and families. Among social workers' clientele are those affected negatively by economic structure, those who have committed or have been victims of crimes, persons who have physical and mental disabilities, and those

who have experienced discrimination and oppression. Besides individuals, clients include families, small groups and communities experiencing conflict and crisis.

The course of study begins with pre-major status. Students take two introductory social work courses along with general education courses. All other social work courses are taken after being accepted for social work major status. A written application requesting major status must be submitted to the department (see College of Health and Human Services Academic Handbook for specific requirements). Students are admitted to major status on a competitive basis.

In addition to the course of study students participate in area social service agencies through observation, volunteer work and supervised field instruction. The social work program is accredited by the Council on Social Work Education at the baccalaureate level. Graduates of the program receive a bachelor of science in social work.

### Learning Outcomes

Upon completion of the baccalaureate degree, students in social work are expected to:

- Plan and evaluate appropriate interventions for individuals, families and groups;
- Critically analyze the impact of social policies on clients, workers and institutions;
- Use professional skills with diverse clientele in practice settings;
- Communicate and disseminate information

### Admission and continuation in the social work program

1. Students who declare social work as a major will be classified as pre-social work majors prior to admission to the program;
2. Students may apply for admission to the program after:
  - a. Completion of 30 credit hours;
  - b. The attainment of a 2.5 accumulative GPA;
  - c. Satisfactory completion of SOWK 110 and one of the following: SOWK 227, ETHN 301, 302, 312, HDFS 408 or SOC 316 with a grade of "C" or better; (Transfer students will also be evaluated upon the same criteria.)
3. Program applications are submitted each semester;
4. Decisions regarding admission are made by a faculty committee and will be provided in writing to applicants (See application form for exact dates.);
5. Students who apply for senior field placement must have a minimum GPA of 2.5 in the core courses as well as accumulative. To apply for graduation in social work, a 2.5 accumulative GPA is required as well as a 2.5 in the core courses.

**Suggested program*****First year***

SOWK 110 (3)  
ENG 112 or equivalent (3-6)  
BIOL 104 (4)  
SOC 101 (3)  
CS 100 (3)  
SOWK 227, ETHN 301, 302 or 312  
(choose one)  
HDFS 408 or SOC 316 (3)  
General education requirements (6)

***Second year***

IPC 306 (3)  
PSYC 201 (4)  
ECON 200 (3)  
General education requirements (9)  
Electives (12)

***Third year***

SOWK 312, 320, 321, 322, 332 (15)  
DHS 300, 330 (6)  
SOC 301, 369 (6)  
Electives (3)

***Fourth year***

SOWK 325, 326, 423, 430 (22)  
PSYC 405 (3)  
Electives (5)

This program is subject to revision and may be modified to meet student needs. All students must have 122 hours of 100-level or above courses for graduation.