



## College of Nursing and Health Professions

**Dr. Lynne B. Welch, RN, Dean**  
**Dr. Giovanna Morton, RN, Associate Dean**  
**Dr. Linda M. Scott, RN, Associate Dean**

The College of Nursing and Health Professions was formed in 1998 when the academic units of Nursing, Communication Disorders, Clinical Laboratory Sciences, and Dietetics united to better serve the health needs of the region. The college offers a variety of health career opportunities at the associate, baccalaureate, and master's degree level.

### MISSION

Consistent with the mission of Marshall University, the College of Nursing and Health Professions (CONHP) is committed to offering quality undergraduate and graduate nursing and health professions education. The focus of the College of Nursing and Health Professions is upon being interactive with the community, including rural and underserved areas, and responding to contemporary and future needs of society, nursing, and the health professions.

To accomplish this mission, the College of Nursing and Health Professions:

- ensure the integrity of the programs through maintenance of rigorous professional education standards and through the high expectation of student learning and performance;
- encourages involvement of faculty in service to society and the profession;
- supports the engagement of faculty in research and scholarly activities;
- provides an environment that is sensitive to a culturally, racially, and ethnically diverse student body, faculty, and staff; and
- maintains an environment that provides for academic freedom and shared governance.

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## **NURSING**

**Dr. Lynne B. Welch, Dean**

<http://www.marshall.edu/nursing/>  
[nursing@marshall.edu](mailto:nursing@marshall.edu)

### **Professors**

Combs, Davis, Landry, Morton, Scott, Sortet, Stanley, Stotts, Welch

### **Associate Professors**

Appleton, Rogers, Walton

### **Assistant Professors**

Baden, Bailey, Fagan, Hartley, Meehan, Rider

Nursing education has been offered at Marshall University since the inception of an associate degree program in 1960. On July 1, 1978, a School of Nursing was formally established and now, as the College of Nursing and Health Professions, it is an integral part of the academic health sciences at Marshall University. The primary objective of the college is to respond to the nursing educational needs in the region. It offers a Bachelor of Science in Nursing program and a Master of Science in Nursing program with two areas of emphasis - Family Nurse Practitioner and Administration. The programs are accredited by the National League for Nursing Accrediting Commission (61 Broadway, New York, NY 10006). The College of Nursing and Health Professions also offers a cooperative associate degree program with St. Mary's School of Nursing.

## **BACHELOR OF SCIENCE IN NURSING PROGRAM**

The purpose of the four year baccalaureate program in nursing is to prepare professional nurse generalists to work with individuals, families, groups and communities in a variety of health care settings. The program is available to qualified high school graduates, college students, college graduates. Graduates of the program are eligible to take the registered nurse licensing examination. The RN Option Program offers registered nurses the opportunity to expand their roles in professional nursing.

Baccalaureate nursing education provides a foundation in the humanities and the biological, social and behavioral sciences. Students are able to apply this foundation as well as a strong base in nursing science to the professional practice of nursing. In addition to achieving the professional goals of the nursing program, students should also become responsible members of society, and they are therefore, required to register for courses in general education.

The program includes a clinical practice component which gives students opportunity to apply their nursing theory and skills in caring for individuals, families, groups and communities in clinical health care settings. The program uses Cabell Huntington Hospital, Huntington Hospital, Columbia River Park Hospital, St. Mary's Hospital, Veterans Administration Medical Center and the Health South Huntington Hospital for Rehabilitation for clinical experiences. In addition over 30 other health care agencies such as clinics, doctors' offices, health departments and schools are used for student clinical experiences. All nursing students have clinical experiences with rural and/or underserved populations as part of the state's initiatives for primary health care nursing programming. The Nursing program also offers a concentration to persons desiring school nurse certification.

## UNIVERSITY BACCALAUREATE INITIATIVES

Students entering the baccalaureate nursing program are responsible for meeting the requirements of five baccalaureate program initiatives, also referred to as the Marshall Plan. These initiatives include Writing Across the Curriculum, Computer Literacy, International and Multicultural Studies, Mathematics, and the Capstone Experience. These various policies are explained in general terms under the Mission of the University. Students in the College of Nursing and Health Professions are to consult with their advisor for guidance in determining the specific details of meeting these baccalaureate curricular initiatives.

## ELECTIVES

Students must complete 6 hours in International Studies, 3 hours in Multicultural Studies and 3 hours of Writing Across the Curriculum prior to graduation. The university will identify courses which fulfill these requirements. If they are not taken as part of the required courses, then this requirement may be met within the 18 hours of electives of basic students and 16 hours of electives for RN Option students. Students are encouraged to take courses which will enhance their professional practice and personal well-being. Faculty advisors can assist in the selection of beneficial courses.

Honors courses may be used to meet the elective requirements. Students should check with the Director of the Honors Program about specific substitutions.

## MINOR

No minor is available in this discipline.

## BASIC PROGRAM: ADMISSION REQUIREMENTS

Admission is determined on a competitive basis at each entry level. The total number of students admitted to the program is based upon available facilities and faculty.

Students are admitted to the Nursing program once per year for the fall semester. Students are selected for fall admission after the January 15 deadline and continuing until all spaces in the class are filled.

### Admission Requirements for Freshman Level

This level is for all first-time college students and for college students who have completed 12 or more hours of college level work.

1. First time college students must meet the general admission requirements of Marshall University.
2. First time college students or those with less than 12 hours of college credit must have a composite score of 21 or higher on the enhanced ACT, and a grade point average on high school coursework at the completion of their junior year of at least 2.5 or higher, with consideration given to college preparatory course of study.
3. College students must have a grade point average of at least 2.5 or higher on 12 or more hours of college work with consideration given to individual courses. Grades and credits from developmental courses are not considered.
4. All Nursing program freshman students must complete the required courses for the freshman year with a "C" or higher by July 20 and maintain a 2.3 overall grade point average. Students who do not complete these minimum requirements by July 20 (end

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of first academic year in the nursing program) will be dropped from the Nursing program and must reapply for admission to the program. Grades and credits from developmental courses are not considered.

### **Admission Requirements for Sophomore Level**

This level is for college students who have completed at least 32 hours of college credit hours including the prescribed freshman level courses. Admission at this level is very limited and is based on available space. Applicants at this level must:

1. Meet the general admission requirements of Marshall University.
2. A minimum grade point average of 2.5 or higher.
3. Applicants must also document completion of, or current enrollment in the required courses for the freshman year.

### **Admission Requirements for Junior and Senior Level**

This level is for students who are transferring from a four-year baccalaureate nursing program and who want to receive credit for their previous nursing education. Applicants requesting advance placement to this level must:

1. Meet the general admission requirements of Marshall University.
2. Document completion of two or more years of college credit in a **baccalaureate** nursing program with a 2.5 or higher grade point average on all college level work.
3. Provide proof of completion of courses required prior to transfer level.
4. Submit a reference from Dean/Director of nursing program.

Admission to this level is based on available space.

## **BASIC PROGRAM: APPLICATION PROCESS**

### **Freshman Level Standing**

1. Apply for admission to Marshall University.
2. Also apply for admission to the Nursing program, College of Nursing and Health Professions.
3. Submit official transcripts from **all** schools attended.
  - a. High school students should obtain two (2) copies of their high school transcript and ACT scores. One copy of the ACT scores and transcript should be sent to the College of Nursing and Health Professions Nursing program and one to the Admissions Office of Marshall University.
  - b. College students must submit two (2) copies of official transcripts from all colleges attended, if not currently attending Marshall. Send one copy to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University. Current Marshall students must send one official transcript from all colleges attended to the College of Nursing and Health Professions. College transcripts must include the last semester attended, which for currently enrolled students is the fall semester prior to the application deadline.

### **Sophomore Level**

1. Apply for admission to Marshall University if not currently admitted.

2. Apply for admission to the Nursing program.
3. Submit two (2) copies of transcripts from all colleges attended. Send one copy to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University (does not apply if you are currently admitted to Marshall).
4. Provide verification of current enrollment in required freshman level courses if these have not been completed. Official transcripts must be sent on completion of these courses.

#### Junior-Senior Level

1. Apply for admission to Marshall University.
2. Apply for admission to the Nursing program.
3. Submit two (2) copies of all college transcripts, one to the College of Nursing and Health Professions and one to the Admissions Office of Marshall University.
4. Submit course syllabi and other materials which describe the nursing courses for which advanced placement is requested.
5. Submit a letter of reference from the Dean/Director of nursing program.

### BASIC PROGRAM REQUIREMENTS

Completion of the B.S.N. program requires the completion of 128 semester hours of credits as specified in the following program of study. Credits and grades from developmental courses are not counted. The following is an example of a possible course of study.

#### FIRST YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101 .....	3	English 102 .....	3
Mathematics 121 .....	3	Sociology 200 .....	3
Psychology 201 .....	3	Psychology 311 .....	3
Chemistry 203 .....	3	Chemistry 204 .....	3
Biological Science 227 .....	<u>4</u>	Biological Science 228 .....	<u>4</u>
	16		16

#### SECOND YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 219 .....	3	Nursing 319 .....	4
Nursing 221 .....	5	Nursing 222 .....	6
Family and Consumer Sciences 210 .....	3	Electives or	
Biological Science 250 .....	4	Elective and Family &	
Elective .....	<u>3</u>	Consumer Sciences 404 .....	<u>6</u>
	18		16

#### THIRD YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 318 or Elective .....	3	Nursing 322 or 321 .....	5
Nursing 321 or 322 .....	5	Nursing 324 .....	5
Nursing 323 .....	5	Nursing 318 or Elective or Statistics ..	3
Statistics or FCS 404 .....	<u>3</u>	Nursing 423 or 409 or Elective .....	<u>3</u>
	16		16

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#### FOURTH YEAR

First Semester	Hrs.	Second Semester	Hrs.
Nursing 325 .....	5	Nursing 403 or 421 .....	3 or 5
Nursing 409 or 423 or Elective .....	3	Nursing 422 .....	5
Nursing 403 or 421 .....	3 or 5	Nursing 423 or 409 or Elective .....	3
Elective .....	<u>3</u>	Elective .....	<u>3</u>
	14 or 16		14 or 16

## LICENSURE AS A REGISTERED NURSE

To practice registered professional nursing in West Virginia an individual must be licensed by the West Virginia Board of Examiners for Registered Professional Nurses. Students who successfully complete the basic Bachelor of Science in Nursing program meet the education requirements to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). "The Board may refuse to admit persons to its examinations or may refuse to issue a license upon proof that an applicant: (a) is or was guilty of fraud or deceit in procuring or attempting to procure a license to practice registered professional nursing; or (b) has been convicted of a felony; or (c) is unfit or incompetent by reason of negligence, habits or other causes; or (d) is habitually intemperate or is addicted to the use of habit-forming drugs; or (e) is mentally incompetent; or (f) is guilty of conduct derogatory to the morals or standing of the profession of registered nursing; or (g) is practicing or attempting to practice registered professional nursing without a license or registration; or (h) has willfully or repeatedly violated any of the provisions of the licensing law."

A student who wants to take the NCLEX-RN in another state must obtain information regarding requirements and procedures from the agency responsible for professional nurse registration in that state.

## RN OPTION PROGRAM

The Marshall University College of Nursing and Health Professions offers an RN Option program for registered nurses who have a diploma or associate degree in nursing and wish to earn a baccalaureate degree in nursing.

The curriculum may be completed in two academic years of full-time study or extended up to five years. Part-time study is recommended for nurses who are working full-time.

Applications for the RN Option program are processed on a semester basis.

### ADMISSION REQUIREMENTS: RN OPTION PROGRAM

To be eligible for admission the applicant must:

1. Meet the general admission requirements of Marshall University.
2. Be licensed to practice as a registered nurse in West Virginia.
3. Have completed the following required general education courses or their equivalents with a grade of "C" or higher:
 

BSC 227-228, Human Anatomy and Physiology	8 hours
BSC 250, Microbiology and Human Disease	4 hours
FCS 210, Nutrition	3 hours

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SOC 200, Introductory Sociology	3 hours
ENG 101 and 102, English Composition	6 hours
PSY 201, General Psychology	3 hours
PSY 311, Developmental Psychology	3 hours
CHM 203, General Chemistry I	3 hours
MTH 121, Concepts and App. of Mathematics	3 hours
Total semester hours	36 hours

Transfer courses will be judged in relation to Marshall University courses for acceptability. Evaluation of transfer courses is completed in the Admissions Office. Please contact that office for questions concerning transfer courses.

4. Have an overall grade point average of 2.3 or higher on all college work.
5. Provide documented evidence of acceptable clinical nursing performance on form provided by the College of Nursing and Health Professions. Nurses not employed within the past three years will be evaluated individually.
6. Thirty two hours of lower division nursing credits will be awarded to students from non-NLNAC accredited diploma programs upon successful completion of NUR 317. Diploma graduates from programs not accredited by the NLN must successfully pass challenge exams to validate lower division nursing credits.

#### APPLICATION PROCESS: RN OPTION PROGRAM

1. Apply to Marshall University on forms provided by the Admissions Office.
2. File, concurrently, a supplemental application to the Bachelor of Science in Nursing Program on form supplied by the College of Nursing and Health Professions.
3. Copies of official transcripts from all colleges or schools attended must be submitted. If these are not already on file at Marshall University, one copy must be submitted to the College of Nursing and Health Professions and one copy must be submitted to the Admissions Office.

#### PROGRAM REQUIREMENTS: RN OPTION PROGRAM

In addition to the admission course requirements, the following courses must be completed:

- 35 hours upper division nursing courses
- 9 hours required non-nursing courses
- 16 hours electives

Additional elective credits to meet the 128 hours minimum will vary depending on individual circumstances. A typical full-time program of study is as follows:

#### JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Nursing 305	4	Nursing 317	2
Nursing 219	3	Nursing 318	3
Nursing 319	4	Nursing 409 or 423 or Elective	3
Elective	3	Family and Consumer Sciences 404	3
Statistics	3	Chemistry 204	3
Elective	<u>1</u>		<u>15</u>
	17		

## SENIOR YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Nursing 421 .....	5	Nursing 422 .....	5
Nursing 403 .....	3	Electives	6
Nursing 409 or 423 or Elective .....	3	Nursing 409 or 423 or Elective	<u>3</u>
Electives .....	<u>3</u>		14
	14		

A minimum of 128 semester hours of credit must be completed to receive any bachelor's degree at Marshall University. The hours needed to complete the RN Option are distributed as follows:

- Admission course requirements
- 36 hours non-nursing courses
- 32 hours lower division nursing credit

Since undergraduate programs vary in the number of required credits awarded or transferred, additional electives may be necessary to complete the 128 hour requirement.

## ACADEMIC POLICIES

1. The Nursing program reserves the right to require withdrawal from nursing of any student whose health, academic record, clinical performance or behavior in nursing is judged unsatisfactory.
2. All students are required to maintain a cumulative GPA of **at least** 2.3. In the event that a student's cumulative GPA falls below 2.3, that student will be placed on probation and will be notified in writing of this action. Students have **one** semester to raise their cumulative GPA to 2.3. During this period, classes taken during the summer would count toward the GPA, but the term would not be counted as the semester. If the GPA remains less than 2.3 at the end of one semester, the student will be **dismissed** from the nursing program.
3. All nursing and required non-nursing courses must be completed with a grade of "C" or higher. Students who earn a grade of less than "C" in a nursing or required non-nursing course **must** repeat that course. Basic and RN Option students may repeat only one nursing course in which a grade of less than "C" is earned.
4. All students who receive a grade of less than "C" in a nursing or required non-nursing course may not progress in nursing courses for which that course is prerequisite.
5. Students who find it necessary for any reason to withdraw from a nursing course must abide by the College of Nursing and Health Professions withdrawal policy as stated in the Nursing Undergraduate Handbook.
6. No more than 9 hours of electives may be taken on a credit/non-credit (pass/fail) basis.
7. All required nursing courses in the basic and RN Option programs must be completed within five (5) years prior to graduation from the program. The five (5) year period begins at the time the first nursing course is taken.
8. With the exception of NUR 400, students must be admitted to the Nursing program in order to enroll in classes. Prerequisites are identified in the College of Nursing and Health Professions Nursing Student Handbook.

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## OTHER POLICIES

1. Evidence of a current satisfactory health certification must be submitted prior to participation in nursing courses having a clinical component.
2. Evidence of current certification in cardio-pulmonary resuscitation must be submitted annually prior to participation in nursing courses having a clinical component. Contact the College of Nursing and Health Professions for acceptable courses.
3. Due to restricted enrollment in the College of Nursing and Health Professions Nursing program, students unable to maintain continuous progression must follow the Leave of Absence Policy.
  - a. A student must request permission in writing for a leave of absence from the College of Nursing and Health Professions Nursing program. Notification must be at earliest possible time.
  - b. The Student Petition for Leave of Absence Form must be submitted to the Chairman of the Admissions, Progression and Graduation Committee **no later than three** (3) weeks after the start of the semester in which the student is not enrolled in nursing courses.
  - c. If a Leave of Absence is approved, the student must consult with his or her advisor to revise the program plan.
  - d. Any student who fails to notify the College of Nursing and Health Professions Nursing program of a Leave of Absence will forfeit his or her space in the nursing program and must reapply for admission.
  - e. Permission for a leave of absence may be granted for up to one year.

## SCHOOL NURSE CERTIFICATION

The Nursing program offers a concentration to persons desiring school nurse certification. The concentration is available to students in both the basic and the RN Option programs. The concentration is designed to help students meet the WV Board of Education standards for practicing school nurses. Persons seeking School Nurse Certification must be in good standing in a school of nursing or have a B.S.N. and be licensed as a registered nurse in West Virginia. Individuals selecting this concentration must notify the College of Nursing and Health Professions Nursing program of their intent as early as possible to receive proper academic advising. It is not necessary to have provisional admittance to the College of Education for the School Nurse Certification.

This concentration is designed to provide the nurse generalist with basic knowledge of school nurse practices. Students who select this concentration will complete several courses from the College of Education as well as a community nursing experience in the public school system.

### ENTRANCE REQUIREMENTS: SCHOOL NURSE CERTIFICATION

1. Evidence of good standing in the Nursing program or a B.S.N. degree and West Virginia RN license.
2. Completion of PSY 311 - Developmental Psychology or its equivalent with a "C" or higher.
3. A 2.5 grade point average on at least 60 college credit hours.

## CERTIFICATION REQUIREMENTS: SCHOOL NURSE

Prior to taking the PPST (Pre-Professional Skills Test), the applicant should complete the following courses. (The PPST is waived for master's prepared students):

<i>Requirement</i>	<i>Credit Hours</i>
Communication Studies 103, 104H or 305 (Fundamental Speech - Communications) .....	3
Curriculum and Instruction 102 (Introduction to Computers in the Classroom) .....	1
Educational Foundation 270 Observation (Level 1 Clinical Experience) .....	0*
English 101 and 102 (English Composition) .....	6
Health Education 321 (The School Health Program) .....	3
Nursing 485 (Independent Study in School Nursing) .....	1

*\*May be waived.*

A Community Nursing project in a school health setting must be completed in NUR 421 or 485. The student will be expected to show familiarity with all aspects of the role of the school nurse. A School Nurse Performance Assessment will be completed by the student, the school nurse preceptor, and the SON school nurse certification coordinator to verify that the student has met this clinical requirement.

After completing the certification requirements the student must submit an application for a Provisional Professional Temporary Teacher or Service Certificate. This application is available from County Board of Education offices or the College of Education.

Certification will be awarded after the following criteria are satisfied:

1. The PPST is successfully completed. (NOTE: This exam is offered at Marshall.) Please contact the College of Education at (304) 696-2857 for information on this exam.
2. Verification by the College of Nursing and Health Professions of completion of the School Nurse Performance Assessment.
3. Verification by the College of Education and Human Services that the academic requirements have been satisfied.
4. The completed application for professional certification (IPT 20) is submitted to the College of Education Certification Office.

For NUR 485 information contact the College of Nursing and Health Professions at (304) 696-2620.

For certification information contact the College of Education at (304) 696-2857.

To obtain more information and an application write to:

Bachelor of Science in Nursing Program  
College of Nursing and Health Professions  
Marshall University  
400 Hal Greer Boulevard  
Huntington, WV 25755-9500  
Telephone (304) 696-5272 E-mail: nursing@marshall.edu

## ASSOCIATE IN SCIENCE IN NURSING PROGRAM

The Associate in Science in Nursing Program is a cooperative effort between the Marshall University College of Nursing and Health Professions and St. Mary's School of Nursing. This program may be completed in two academic years and requires 69 credit hours. General education courses are offered on the Marshall University campus and nursing courses are offered at St. Mary's School of Nursing. Graduates of this program receive an Associate in Science in Nursing degree from Marshall University and are eligible to make application to the registered nurse licensing examination.

### ADMISSION REQUIREMENTS: ASSOCIATE IN SCIENCE IN NURSING PROGRAM

All applicants must be either a graduate of an accredited high school or have a high school equivalent through GED testing.

#### High School Seniors and Applicants Who Have Completed Fewer than 12 College Credit Hours Must Have:

- A minimum high school GPA of 3.0
- A minimum composite score of 21 on ACT
- A minimum of "C" on all college courses completed

#### The Following High School Courses are Strongly Recommended:

- English - 4 units
- Science - 3 units (chemistry, biology I and biology II)
- Math - 2 units (one should be algebra)
- Social Studies - 3 units

#### Applicants Who Have Completed at Least 12 College Credit Hours Must Have:

- A minimum of "C" on each required non-nursing course completed
- An overall 2.0 QPA ("C" average) or better on ALL courses completed
- An overall 2.0 GPA on all courses completed at Marshall University

#### GED Applicants Must:

- Meet criteria for GED admission as stated in the Marshall University undergraduate catalog
- Have completed at least 12 college credit hours
- Meet criteria for applicants who have completed at least 12 college credit hours

### PROGRAM REQUIREMENTS: ASSOCIATE IN SCIENCE IN NURSING PROGRAM

General education courses required in the cooperative program are:

<i>Requirement</i>	<i>Credit Hours</i>
BSC 227, Human Anatomy .....	4
CHM 203, General Chemistry I .....	3

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FCS 210, Nutrition .....	3
BSC 250, Microbiology and Human Disease .....	4
PSY 201, General Psychology .....	3
ENG 101 & 102, Composition .....	6
PSY 311, Developmental Psychology .....	3
SOC 200, Introductory Sociology .....	3
TOTAL .....	29

Forty (40) hours of credit in Nursing are required.

**CURRICULUM:  
ASSOCIATE IN SCIENCE IN NURSING PROGRAM**

**First Year**

<i>Fall Semester</i>	<i>Hrs.</i>	<i>Spring Semester</i>	<i>rs.</i>
BSC 227 .....	4 cr.	BSC 250 .....	4
FCS 210 .....	3	ENG 101 .....	3
CHM 203 .....	3	PSY 201 .....	3
NUR 120 .....	<u>8</u>	NUR 220 .....	<u>8</u>
	18		18

**Second Year**

<i>Fall Semester</i>		<i>Spring Semester</i>	
PSY 311 .....	3	ENG 102 .....	3
NUR 225 .....	4	NUR 235 .....	6
NUR 230 .....	8	NUR 241 .....	<u>6</u>
SOC 200 .....	<u>3</u>	Total	15
	18		

Students receive Marshall University credit for all courses in the program. Graduates of the cooperative program receive an Associate in Science degree in nursing from Marshall University.

To obtain more information and an application, write to:

St. Mary's/Marshall University  
Cooperative Associate Degree Program  
2900 First Avenue  
Huntington, WV 25702  
Telephone (304) 526-1415

## **CLINICAL LABORATORY SCIENCES**

**Dr. Bruce J. Brown, Chair**

<http://www.marshall.edu/clinical/>

[clinical@marshall.edu](mailto:clinical@marshall.edu)

### **Associate Professors**

Brown, Fike

### **Assistant Professor**

Pinkerman

The CLS integrated curriculum has two degree options: the Associate Degree in Medical Laboratory Technology (MLT) and the Baccalaureate Degree in Medical Technology (MT). Students may choose to earn the associate degree only or to earn both the associate and baccalaureate degrees. Credit for previous clinical laboratory training or experience may be granted based upon documentation and/or a proficiency examination administered by the CLS Department.

Should space for students in the hospital setting be limited in these programs, admission to clinical practicum would be competitive based upon grade point average. Names of students qualified but not selected for any practicum rotation will be placed on a waiting list and receive priority in the next rotation.

Transportation and housing for hospital portions of these programs are the responsibility of the student. Medical insurance coverage is required for hospital rotations. Costs of physical examinations, tuberculosis testing, and immunizations are borne by the student. Students will be required to either receive the hepatitis B vaccine series or sign a waiver form refusing the vaccine.

### **Associate Degree, Medical Laboratory Technician (MLT)**

Students completing the medical laboratory technician curriculum earn the Associate in Applied Science Degree. The curriculum is designed so that a student may complete the program and become eligible for national certification. A person who has earned the associate degree may later complete the bachelor's degree in medical technology.

Technicians are trained to perform approximately 90% of the routine diagnostic work in a clinical laboratory. They generally work under the supervision of a technologist. They collect blood samples and do a wide variety of blood and urine tests using microscopes, spectrophotometers, electronic counters, and other laboratory instruments; they also perform crossmatches, culture pathogenic bacteria, and perform blood clotting tests. Besides working in hospital laboratories, medical laboratory technicians work in doctors offices, clinics, and in industry.

### **Admission**

Entry to the MLT program involves formal application by candidates and competitive selection by an admissions committee. The number of class spaces is determined annually by the MLT program director, based upon available instructional resources both on campus and in affiliated hospital laboratories. The class limit is approximately 18 per year. Admission of qualified applicants is not guaranteed. Students seeking admission to the MLT program should develop an alternative academic plan in the event that they are not admitted.

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Minimum qualifications for admission include an overall grade point average (GPA) of 2.0, completion of at least 18 credit hours of courses in the MLT-MT program curriculum with a minimum 2.5 GPA, including C or better grades in BSC 227, CHM 211, CHM 213, and MTH 127 (or higher), or equivalent courses. Applicants who have completed 24 credit hours or more in the MLT-MT curriculum including CLS 100, will receive preference.

Students apply for admission by completing and submitting a transcript review form, two letters of reference, and a letter of application to the MLT Program Director between March 1 and May 31 for admission to the fall semester of the current year. Late applications will be considered as class size permits. Transcript review forms and example letters are available at the Clinical Laboratory Sciences Department.

The MLT program admissions committee reviews letters of application, college level coursework, and letters of reference. Applicants who are expected to complete all admission requirements before fall classes begin may be granted conditional program admission. The committee selects students to fill available class spaces and develop a ranked waiting list, if applicable. Letters are mailed to all qualified applicants by June 30 notifying them of admission status or position on the waiting list.

Students accepted into the MLT program obtain permission to register for the courses CLS 110 and CLS 200 from the MLT program director. Accepted students who are not properly registered or who are absent during the first week of regular classes without prior approval will lose their space to a wait-listed applicant.

Admitted students will be required to attend an instructional program on blood borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it.

Progress through the MLT program is contingent upon satisfactory academic performance. Once admitted, MLT students are required to remain continuously enrolled in such a way as to complete the CLS course sequence (CLS 110, 210, 220, 255, 270-273) with their class. If a student should not successfully progress with his or her class, that student will be dropped from the MLT program and will be notified of that status by letter. Decisions regarding readmitting students to pre-clinical CLS courses will be made by the admissions committee subject to space availability. No student is guaranteed readmission. Students seeking readmission apply by letter to the MLT program director as described above. Readmitted students may be required to repeat one or more CLS courses or undertake directed independent study.

### **Hospital clinical practicum**

In order to be eligible for hospital training, a student must earn grades of C or better in each CLS course. Students should be degree eligible upon completion of the hospital-based training.

Two 15-week MLT hospital rotation periods are available, one each in summer and fall terms. The affiliated hospital laboratories in 1999 include St. Mary's Hospital (Huntington, WV), Cabell Huntington Hospital (Huntington, WV), Thomas Memorial Hospital (South Charleston, WV), and River Valley Health System Medical Center (Ironton, OH). Hospital assignments are made by the education coordinator during the course CLS 255. Available hospital clinical rotations will be assigned at the discretion of MLT program officials; student preference and academic achievement will be considered. Housing and transportation are the responsibility of each student.

If there are more qualified students than clinical spaces during any class year, students will be selected for available spaces by grade point average in the MLT-MT

curriculum. Those not assigned to clinical rotations will receive first priority in the next available rotation schedule.

### Associate Degree (MLT) Curriculum

#### *Freshman Year*

<i>First Semester, Fall</i>	<i>Hrs.</i>	<i>Second Semester, Spring</i>	<i>Hrs.</i>
English 101 .....	3	English 102 .....	3
Chemistry 211 .....	3	Chemistry 212 .....	3
Chemistry 217 .....	2	Chemistry 218 .....	2
Mathematics 127 .....	3	Elective or Biological Science 228 .....	4
Biological Science 227 .....	4	Biological Science 250 .....	4
Clinical Lab. Sci. 100 .....	1		16
	<u>16</u>		

#### *Sophomore Year (following program admission)*

<i>First Semester, Fall</i>	<i>Hrs.</i>	<i>Second Semester, Spring</i>	<i>Hrs.</i>
Clinical Lab. Sci. 110 .....	4	Clinical Lab. Sci. 210 .....	4
Clinical Lab. Sci. 200 .....	4	Clinical Lab. Sci. 220 .....	4
PSY 201 or Multicultural Elective .....	3	Clinical Lab. Sci. 255 .....	3
CS 103 or International Elective .....	3	Elective .....	3-4
	<u>14-15</u>		14-15

<i>Summer 15-week Clinical Practicum</i>	<i>Hrs.</i>
Clinical Lab. Sci. 270 .....	3
Clinical Lab. Sci. 271 .....	3
Clinical Lab. Sci. 272 .....	3
Clinical Lab. Sci. 273 .....	3
	<u>12</u>

**Total: 71-73 Semester hours**

Note: The Marshall Plan does not apply to associate degree programs.

### Medical Technology (MT) Bachelor's Degree

Medical technologists are trained to perform a variety of specialized tests in the clinical laboratory that provide information used by the physician to determine the extent and cause of disease. The tests performed or supervised by the medical technologist are completed in such areas as hematology, blood banking, serology, immunology, clinical chemistry, bacteriology, and parasitology. The graduate medical technologist is prepared with the knowledge and abilities needed for certification by nationally recognized professional agencies. Certified medical technologists are accorded the status of professionals in the medical team. They often have responsibilities for laboratory sections, exercise independent judgement, and evaluate the work of others.

The first two years of the medical technology program consist of the associate degree MLT program or equivalent. The third year involves completion of science and other university academic requirements. The fourth year, after admission to the MT program (see below), involves one semester of pre-clinical courses on campus and an 18-week semester of daily, full time clinical practice at one or more hospital affiliate laboratories. Clinical affiliates for 1999 include Cabell Huntington Hospital (Huntington, WV), St. Mary's Hospital (Huntington, WV), and Charleston Area Medical Center (Charleston, WV).

A student who has completed required general studies and prerequisite courses may progress through the CLS sequence for MLT and MT programs consecutively.

## Career Opportunities

Most medical technologists are employed in hospital laboratories, while others find employment in physician's offices, the armed forces, and state and federal health agencies. Titles other than medical technologist reported by CLS graduates have included physician or medical student, dentist, physical therapist, nurse, health care computer specialist, hospital administrator, pharmaceutical salesperson, science teacher, housewife, college professor, biomedical researcher, librarian, medical sonographer, attorney, and scientific device reviewer.

## Admission

Entry to the MT program involves formal application by the student and competitive selection by an admissions committee. The number of class spaces will be determined annually by the MT program director based upon available resources both on campus and in hospital clinical laboratories. The class limit is currently 10 per year.

Students apply for admission by completing and submitting a transcript review form, two letters of reference, and a letter of application to the MT Program Director. Application materials are available from the MT Program Director. Applications will be accepted between March 1 and May 31 for enrollment in senior CLS courses beginning in the fall semester. Applicants may be required to schedule personal interviews with the selection committee. Currently enrolled MLT students who plan to continue to the MT program need only submit a letter regarding their intent to continue.

Admission is not guaranteed. First priority for available spaces goes to MU students who have completed the MLT program. Transfer students who have earned the associate degree in MLT at another college or university qualify for program admissions, provided that they completed a MLT-A.D. program at a NAACLS-accredited program. Students who have not worked as a laboratory technician for more than 5 years may be required to repeat some CLS courses. Technical medical laboratory training and experience earned through programs not accredited by NAACLS are evaluated on a case-by-case basis. Advanced standing and credit by examination in CLS pre-clinical courses are available to those with previous medical laboratory training and experience.

To be eligible for entry into clinical practicum at affiliated hospitals, students must have a minimum overall 2.0 grade point average, have completed all required CLS technical courses with a minimum grade of "C", and be otherwise eligible for the degree.

Admitted students will be required to attend an instructional program on blood-borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it.

## Curriculum for the Bachelor of Science Degree in Medical Technology

<b>Junior Year</b>			
<i>Semester</i>	<i>Hrs.</i>	<i>Semester</i>	<i>Hrs.</i>
Chemistry 327 or 355-356-361 .....	5	Biological Science 424 .....	4
Chemistry 365 or 345 .....	5	Economics 250 .....	3
International Elective .....	3	MTH 225 .....	3
Elective .....	<u>3</u>	CLS 310 .....	3
	16	SOC 345 or EDF 417 .....	<u>3</u>
			16

Summer I .....	Hrs.
Physics 201 .....	3
Physics 202 .....	<u>1</u>
	4

Summer II .....	Hrs.
Physics 203 .....	3
Physics 204 .....	<u>1</u>
	4

### **Senior Year**

Fall Semester	Hrs.
Clinical Lab. Sci. 450 .....	4
Clinical Lab. Sci. 460 .....	3
Clinical Lab. Sci. 464 .....	3
Clinical Lab. Sci. 466 .....	<u>3</u>
	13

Spring Semester	Hrs.
Clinical Lab. Sci. 468 (W) (C) .....	2
Clinical Lab. Sci. 471 .....	9
Clinical Lab. Sci. 491 .....	<u>3</u>
	14

Total: 130-136 Semester hours, including MLT Curriculum for the first two years.

Marshall Plan courses are required for bachelor's degrees.

### **Accreditation**

The MLT and MT programs are accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS, PO BOX 75634, Chicago, IL 60675-5634, telephone 773/714-8880). Students who complete CLS programs through Marshall University will be eligible for national certification examinations.

### **CYTOTECHNOLOGY**

Cytotechnologists work in hospitals, clinics, and private laboratories. They stain and analyze body cells under the microscope for changes that indicate cancer or infection.

#### **Bachelor of Science in Cytotechnology**

Students wishing the degree in cytotechnology complete the first three years of the academic curriculum through the Clinical Laboratory Sciences Department of the College of Nursing and Health Professions and then apply for one year (12 months) in the hospital-based school of cytotechnology.

The senior year is completed at either the Cabell Huntington Hospital (CHH) School of Cytotechnology, or the Charleston Area Medical Center School of Cytotechnology. Both are accredited by the Committee on Accreditation of Allied Health Educational Programs (CAAHEP, 35 East Wacker Drive, Suite 1970, Chicago, IL 60601-2208; telephone 312/553-9355), in collaboration with the American Society of Cytology (ASC). Upon successful completion of the entire curriculum, the student is granted the degree Bachelor of Science in Cytotechnology, and is eligible for certification examinations given by agencies such as the American Society of Clinical Pathologists (ASCP).

#### **Admission to Hospital-Based School of Cytology**

A minimum of 2.5 GPA on the pre-clinical academic program is required for students to be considered for cytotechnology training at an affiliated hospital. Applicants for the final year of cytotechnology training must apply for transcript review by the Clinical Laboratory Sciences Department between January 1 and March 1 the same year.

Complete applications and transcript evaluations of qualified applicants are supplied to the respective hospital schools by the CLS Department. Students are then

selected to fill available positions by the joint admissions committee on the basis of Grade Point Average, personal interview, and student academic status at Marshall. First preference is given to Marshall University students who have met residence requirements for graduation and who will be degree eligible in cytotechnology upon completion of hospital training, second preference is MU graduates who meet ASC requirements; third preference is undergraduates who meet ASC requirements. ASC requires that cytotechnology students have completed 60 college semester hours which include 20 credit hours of biological science, 8 of chemistry, and 3 of mathematics. Last preference is given to qualified applicants or graduates from other colleges and universities. A waiting list is established using these criteria in case an opening becomes available.

Admitted students will be required to attend an instructional program on blood borne pathogens and either begin the Hepatitis B vaccine series or sign a waiver form refusing it. They are also required to provide other health documentation, including tuberculosis test results and proof of health insurance.

Successful completion of the pre-clinical academic program does not automatically assure admission to clinical studies, since enrollment at the associated hospitals is limited. CHH allocates 4 Marshall student positions per year; CAMC allocates between one and three positions for Marshall.

CHH charges tuition of \$1500 for the year of training. CAMC charges \$5000 per year. These charges may change. Students with at least 24 credit hours earned at Marshall University may apply for waiver of Marshall tuition for the clinical year. Cytotechnology students pay the health professions fee to MU.

Individuals seeking certificate training, but not a degree, should contact CHH or CAMC schools directly.

## Cytotechnology Curriculum

### *First Year*

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101 .....	3	English 102 .....	3
Biological Science 120 .....	4	Mathematics 130E .....	3
Biological Science 227 .....	4	Biological Science 228 .....	4
Chemistry 211 .....	3	Chemistry 212 .....	3
Chemistry 217 .....	2	Chemistry 218 .....	<u>2</u>
Clinical Lab Science 100 .....	<u>1</u>		15
	17		

### *Second Year*

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Communication Studies 103 (or Computer Studies) .....	3	Psychology 201 (or Multicultural Elective) .....	3
Physics 201-202 .....	4	Physics 203-204 .....	4
Biological Science 301 or 310 .....	4	Biological Science 300 .....	4
Biological Science 424 or 426 .....	4	Biological Science 121 (or other BSC elective) .....	4
Elective .....	<u>1</u>	Elective .....	<u>1</u>
	16		16

### Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Chemistry 327		Biological Science 322 or CHM 365 ...	4
(or CHM 355-356-361 sequence) .....	5	Biological Science 302 .....	4
Biological Science 324 .....	4	Psychology 440 .....	3
Mathematics 122 or higher .....	3	Elective (International) .....	<u>3</u>
Elective (International) .....	<u>3</u>		14
	15		

### Fourth Year

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
Cytotechnology 438 .....	4	Cytotechnology 444 .....	3
Cytotechnology 439 .....	3	Cytotechnology 445 .....	3
Cytotechnology 440 .....	6	Cytotechnology 446 (c) .....	1
Cytotechnology 441 .....	3	Cytotechnology 447 .....	3
Cytotechnology 442 .....	3		10
Cytotechnology 443 .....	<u>3</u>		
	22		

Total: 129 credit hours

## COMMUNICATION DISORDERS

Prof. Kathryn Chezik, Chair

<http://www.marshall.edu/cd/>

[cd@marshall.edu](mailto:cd@marshall.edu)

### Associate Professors

Chezik, Gardner, Rotter

### Assistant Professors

Flannery, McComas, Reynolds, Simmons, Sullivan

### Clinical Directors

McNealy, Miller

The Department of Communication Disorders offers academic coursework and clinical practicum leading to a B.A. pre-professional degree. CD majors, enrolled in the College of Nursing and Health Professions, are required to take the following courses: CD 101, 241, 315, 325, 429, 439, 422, 422L, 425, 420, 460, 468, 430, 426, 426L, 463, 424, 424L, 427, and 427L. Students who apply for and/or accept clinical practicum assignments are expected to fulfill the responsibilities of these assignments for the full semester. Students who fail to do so may not be assured of future assignments. Students should contact the department chair, their academic advisors, and the clinic handbook regarding all academic and clinical requirements and standards specific to the program.

## DIETETICS

<http://www.marshall.edu/conhp/dietetics/>

### Associate Professor

Edwards

### Assistant Professor

Williams

The Didactic Program in Dietetics (DPD) leads to a Bachelor of Science degree and prepares students for work in clinical nutrition, community health, and food service management positions. The DPD is approved by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL 60606-6995, 312/899-4876. The DPD meets the academic standards to qualify students for a dietetic internship (DI) or pre-professional practice program (AP4). To be eligible to sit for the registration exam to become a Registered Dietitian, it is necessary to complete both the undergraduate DPD as well as a post-baccalaureate supervised practice experience in a DI or AP4.

The mission of the DPD at Marshall University is to offer a high quality undergraduate didactic program for students from the regional tri-state area and nationally to meet the needs of the region for dietetic professionals. Marshall University is well located to provide the dietetic students with a nurturing environment for professional growth. There are three acute care hospitals as well as smaller specialized care hospitals in the Huntington area providing exposure to dietetic practice in both clinical and food service management. The tri-state area also includes ambulatory dietetic services based in both clinical and community settings. All of these local facilities have dietitians who provide guidance to the DPD by serving on an advisory Committee and/or who serve as mentors for dietetic students as part of the Mentoring Program sponsored by the local district dietetic association. The focus of the DPD is on providing graduates with the knowledge, skills, and competencies necessary to successfully compete for dietetic internship positions, to successfully complete the internship, and to pass the registration exam through a variety of experiences in the classroom and the community. The mission of the Dietetic Program also includes professional scholarly activity as well as service to the university, the dietetic profession, and the region in which Marshall University resides.

Students need to be advised that to be competitive for admission to a supervised practice experience (either a DI or AP4) requires the following: (1) a grade point average of 3.0 or above; (2) work experience related to the profession of dietetics; (3) positive letters of recommendation from faculty and from supervisors of dietetic related work experience. Completing the Bachelor of Science with a major in Dietetics and receiving an ADA "Verification of Completion Statement" does not guarantee entrance to a DI or AP4 which is done on a competitive basis.

All students are required to purchase a laboratory coat for professional laboratory courses. Some hospitals/physician offices may require that a current test for tuberculosis be on file for students enrolled for the senior level clinical nutrition classes. DPD students are required to pay a Health Professions fee listed under the Financial Information section of the catalog.

## **Admission**

Entry to the Didactic Program in Dietetics involves formal application by candidates. Application forms are available from the DPD Director's Office. Students must submit one copy of the "Application Form for Admission to the Didactic Program in Dietetics" to the DPD Director's Office by October 15. Prior to admission to the Didactic Program in Dietetics, students interested in the major can enroll in Pre-Dietetics.

The following criteria are used for selection for admission:

1. Complete at least 60 hours of course work with an overall grade point average of 2.5 or higher.
2. Earn at least a *B* in FCS 202, 203, 210
3. Earn at least a *C* in CHM 211, 212, 217, 218

## **Academic Policies**

1. An overall Grade Point Average of 2.5 or higher is required for graduation.
2. All dietetic and required non-dietetic courses must be completed with a grade of *C* or higher. Students who earn a grade of less than a *C* in a dietetic or required non-dietetic course must repeat that course. Dietetic students may repeat once a dietetic or required non-dietetic course in which a grade of less than a *C* is earned.
3. All students who receive a grade of less than a *C* in a dietetic or required non-dietetic course may not register for dietetic courses for which that course is a prerequisite.
4. No required course may be taken on a credit/non-credit basis.
5. The last 60 hours of required dietetic courses (including all 300 and 400 level DTS courses) and non dietetic courses must be completed within three years prior to graduation.
6. All 400 level DTS courses must be completed at Marshall University.
7. Students must be admitted to the Dietetic Program before taking required 400 level DTS courses.
8. All students admitted to the dietetic program must maintain a cumulative GPA of at least 2.0. In the event that a student's cumulative GPA falls below 2.0, that student will be placed on academic probation and will be notified in writing of this action. Students have one year to raise their cumulative GPA to 2.0. If the GPA is less than 2.0 at the end of one year of probation, the student will be dismissed from the dietetic program.

*(continued)*

## Suggested Course Sequence For the Didactic Program in Dietetics

### Freshman

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
ENG 101, English Composition (Verbal ACT > or = 18)	3	ENG 102, English Composition OR ENG 302, Research Int. Writing .....	3
CSD 101, Computer & Data Proc.	3	CHM 212, Princ. Chem. II .....	3
MTH 130, College Algebra (Math ACT > or = 21) OR .....	3	CHM 218, Princ. Chem. Lab. II .....	2
MTH 127, College Algebra (Math ACT of 18-19) .....	5	CMM 103, Fund. Sp. Comm. ....	3
CHM 211, Princ. Chem. I (Math ACT > or = 18) .....	3	PSY 201, Gen. Psychology .....	3
CHM 217, Princ. Chem. Lab. I .....	2	Marshall Plan (Int. Studies) .....	<u>3</u>
PE ____, Physical Education .....	<u>1</u>		17
	15-17		

### Sophomore

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
FCS 202A, Food Science Principles .....	3	FCS 203, Meal Management .....	3
FCS 210, Nutrition .....	3	CHM 365, Intro. Biochemistry .....	3
CHM 327, Intr. Org. Chem. ....	6	ECN 250, Prin. Microeconomics .....	1
BSC 120, Prin. of Biology .....	3	PSC 233, Intr. Public Policy .....	3
PE ____, Physical Education .....	<u>3</u>	FCS 303, Child. Dev. (Writing Int.) ...	<u>3</u>
	16		15

### Junior

<i>First Semester</i> .....	<i>Hrs.</i>	<i>Second Semester</i> .....	<i>Hrs.</i>
DTS 320, Intermediate Nutrition .....	3	DTS 403, Advanced Nutrition .....	4
FCS 306, FCS Instructional Methods .....	3	FCS 405, Quantity Food Production .....	4
BSC 227, Human Anatomy .....	4	FCS 401, Maternal & Child Nutrition OR	
ENG LIT (Suggest 354, Sci. & Tech. Wri.) .....	3	FCS 410, Nutrition in Aging .....	3
EDF 417, Statistical Methods OR		BSC 228, Human Physiology .....	3
PSY 223, El. Beh. Statistics OR		MGT 320, Principles of Management .....	<u>3</u>
SOC 345, Social Statistics .....	<u>3</u>		14
	16		

### Senior

<i>Course</i>	<i>Hrs.</i>	<i>Course</i>	<i>Hrs.</i>
FCS 407, Food Serv. Sys. Mgt. ....	3	DTS 413, Experimental Foods .....	3
DTS 409, Nutrition in the Community .....	3	DTS 470, Medical Nutrition Therapy II .....	3
DTS 469, Medical Nutrition Therapy I .....	3	MGT 424, Personnel Management .....	3
BSC 302, General Bacteriology	4	ACC 410, Financial Accounting .....	3
SOC, Intro. Sociology (Multicultural Study) .....	<u>3</u>	Marshall Plan (Int. Studies) .....	3
	16	Art, Theatre, Music, or Dance .....	<u>3</u>
			18

**Total: 129-131 credit hours**