

# Mathematics, Natural Sciences and Health Sciences

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## Division Directory

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## Mathematics, Natural Sciences and Health Sciences

### Application Deadlines and Admission Dates for Allied Health and Nursing

Name of Program	Max # of Students	Application Deadline	Admissions Credentials Deadline	Notification	Term Newly Accepted Class Begins
Dietetic Technician (AAS)	16	November 1	November 30	December	Spring
Laboratory Phlebotomy Technician (Technical Certificate)	15 15	July 1 November 1	July 15 December 1	August December	Fall Spring
Medical Laboratory Technician (AAS)	20 20	July 1 November 1	July 15 December 1	August December	Fall Spring
Nursing (AAS)					
A-Fall Admission	60	February 1	February 1	March	Fall
B-Spring	60	October 15	October 15	November	Spring
C-LPN Mobility Track	30	February 1	February 1	April	Summer
Paramedic (Technical Certificate)	Space Available	July 1	July 1	August	Fall
Physical Therapist (AAS)	20	April 1	April 1	May	Summer
Radiologic Technologist (AAS)	30	April 15	May 15	June	Summer II

Specific admission requirements for each Allied Health and Nursing program are listed on their corresponding pages.

## ADMISSION AND RETENTION PROCEDURES ALLIED HEALTH PROGRAMS

### Minimum Terms of Eligibility

To be eligible for consideration for admission to an allied health program, the applicant must, except as may be provided for by a specific program, meet the following minimum requirements:

1. be granted degree admission status at Southwest
2. submit an application for admission and all required credentials by the published deadline
3. complete all prerequisite courses specified for the program to which one is applying prior to the beginning of the term for which admission is being sought
4. have a cumulative GPA of no less than 2.0 on any attempted college-level courses
5. complete all prerequisite testing required for the program to which one is applying
6. provide evidence of physical and/or emotional ability to carry out the essential requirements of the program and evidence of freedom from communicable diseases and from drug and alcohol addiction

### Procedures and Criteria of Admission

1. Admission to Allied Health Programs is granted based on criteria established by each specific program.
2. Students must complete and file an Application for Special Admission to each program for which they wish to be considered.
3. Application deadlines listed are enforced. Applications received after these dates will be considered only if space is available in the class.
4. A specific program may have established certain minimum prerequisite requirements that the student must meet in order to be considered for admission.
5. The College's Admissions, Records and Recruitment office receives and processes each Special Application for Admission.
6. The College's Admissions, Records and Recruitment office calculates the earned Admission Index of each eligible applicant and ranks all applicants accordingly.
7. The Admission Index is derived by multiplying the earned score on each of the applicable variables by the assigned weight, and then summing the results. The particular variables applicable to each program are listed under each program heading in the following section.
8. The Admissions Committee of each program reviews and certifies the eligibility of all applicants.
9. The Admissions Committee of each program shall consider the highest-ranking students up to the maximum number admissible as admitted to the next official class. All other students shall remain as alternates until the published last date to enroll for the term in which the class is scheduled to begin.
10. The College's Admissions, Records and Recruitment office shall notify in writing each applicant of his or her admission status.
11. Each admitted applicant must formally accept admission in writing by the specified date.
12. If an admitted applicant declines admission or fails to notify the Program of acceptance by the designated date, the student's position in the class will become vacant and offered to the highest ranking alternate.

Eligible applicants who fail to gain admission to a given class may reapply for admission to the next official class. Those who do so will be evaluated and ranked in accordance with the above procedures and without consideration to previous evaluation and ranking. Rank in one admission process does not establish the right to the same or similar rank in another admission process.

### Appeal of Admission Index and Ranking

If an applicant does not agree with the Admissions Committee's calculation of his or her Admission Index or assigned rank, the applicant may request a review by the department head and, subsequently, by the dean of the division. Such appeals must be made in writing within fifteen (15) working days of date on which the notice of the appellant's admission status was mailed.

### Dismissal Policy

A student dismissed from an Allied Health Sciences program for academic reasons may be considered for readmission under the specific program's readmission policy on a space available basis. Any student receiving a second academic dismissal may not be considered for readmission into the program for two years. Violation of classroom procedures, clinical procedures or personal misconduct will result in disciplinary action and can result in immediate dismissal from the program and the College. Disciplinary actions can result from, but are not limited to, such examples as conduct dangerous to others, disorderly conduct, misuse of or damage to property, misuse of documents or identification cards, or violations of state or federal laws. Procedures for disciplinary action and/or dismissal from Allied Health programs, and related appeal procedures, are listed in the Student Handbook under the section entitled Student Conduct and Disciplinary Policies. Handbooks are available in the Counseling and Advising Center.

### Readmission to Allied Health Program

A student who has incurred academic dismissal from an allied health program may be eligible to be considered for readmission. Such students are evaluated and ranked in accordance with the procedure set forth by each specific program and readmission granted on a space available basis. To be eligible for consideration, the student must:

1. have been separated from the program at least one (1) full academic year, exclusive of summer term
2. comply with the procedures for regular admission described previously
3. submit an essay demonstrating that the conditions that led to the academic dismissal no longer exist and that he or she is prepared to and capable of making satisfactory progress in the program

### Malpractice Insurance Requirement

All students admitted to an allied health science program are required to purchase and maintain malpractice insurance while enrolled in the program.

### Associate of Applied Science Degree Curricula

Students are required to complete both general education and career-specific courses to qualify for the Associate of Applied Science (A.A.S.) degree. Each A.A.S. degree program requires approximately 15/16 credit hours related to the arts and sciences. Additionally, each degree program requires the completion of designated courses and clinical or practical experiences. See General Education section of this catalog. Please refer to each program's listing for information related to general education and prerequisite course requirements. Some programs require specific courses from the general education groupings:

General Education Courses for A.A., A.S. Degrees  
General Education Courses for A.A.S. Degrees  
A.A./A.S. and A.A.S. Degree Requirements for Graduation

### Career-Related Course Requirements

Specific career-related course requirements are described for each degree program under the department that sponsors the program. Please refer to those pages for more detailed information.

**Associate of Science Degree  
University Parallel**  
**A curriculum plan with an area of emphasis in  
ALLIED HEALTH SCIENCE**  
**(Four-year Transfer)**

<b>First Semester</b>		<b>Cr.</b>
ENGL 1010	English Composition I (Gen. Ed.)	3
****	Mathematics (Gen. Ed.) <sup>1</sup>	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Physical Education	2
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
****	Elective <sup>2</sup>	3
<b>Total</b>		<b>17</b>
<b>Second Semester</b>		<b>Cr.</b>
ENGL 1020	English Composition II (Gen. Ed.)	3
SPCH 2010	Oral Communications (Gen. Ed.)	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Elective <sup>2</sup>	3
<b>Total</b>		<b>15</b>
<b>Third Semester</b>		<b>Cr.</b>
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences (Gen. Ed.) <sup>1</sup>	4
****	History (Gen. Ed.) <sup>1</sup>	3
****	Mathematics (Gen. Ed.) <sup>1</sup>	3
****	Elective <sup>2</sup>	3
<b>Total</b>		<b>16</b>
<b>Fourth Semester</b>		<b>Cr.</b>
****	Literature (Gen. Ed.) <sup>1</sup>	3
****	History (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences (Gen. Ed.) <sup>1</sup>	4
****	Elective <sup>2</sup>	3
****	Elective <sup>2</sup>	3
<b>Total</b>		<b>16</b>
<b>Total Program Credits</b>		<b>64</b>

**Contact Darius Wilson, (901) 333-5407**, for college-parallel area of emphasis advising and transfer information. Students should check course recommendations with the college or university to which they intend to transfer for a baccalaureate degree. The receiving institution always makes the final decision about transferability of credits.

<sup>1</sup> Review [General Education pages](#) and/or consult advisor for correct selection.

<sup>2</sup> Recommended Electives - 15 credit hours course selection based on requirements of baccalaureate degree granting college/university. In the Memphis area, the following baccalaureate degree programs are available:

- **Cytotechnology**
- **Dental Hygiene**
- **Health Information Management**
- **Medical Technology**
- **Occupational Therapy**
- **Physical Therapy**



**DIETETIC TECHNICIAN - MANAGEMENT**

Associate of Applied Science Degree

Linda Pope ▪ (901) 333-5056

<b>First Semester</b>			<b>Cr.</b>
DIET 1110	Tech of Food Preparation		4
DIET 1210	Nutritional Care Lab I		2
DIET 1310	Principles of Nutrition		3
DIET 1810	Sanitation Measures		2
DIET 1820	Equipment Layout/Safety		2
<b>Total</b>			<b>13</b>
<b>Second Semester</b>			<b>Cr.</b>
DIET 1130	Quantity Cookery		6
ENGL 1010	English Composition I (Gen. Ed.)		3
DIET 1330	Medical Nutrition Therapy		3
DIET 2010	Dietetic Field Experience I		3
<b>Total</b>			<b>15</b>
<b>Summer Session</b>			<b>Cr.</b>
SPCH 2010	Oral Communications (Gen. Ed.) <sup>1</sup>		3
****	Natural Sciences/Mathematics (Gen. Ed.) <sup>1</sup>		3
DIET 1220	Nutritional Care Lab II		2
<b>Total</b>			<b>8</b>
<b>Third Semester</b>			<b>Cr.</b>
DIET 2020	Dietetic Field Experience II		3
DIET 2510	Quantity Food Service Mgmt I		3
****	Humanities/Fine Arts (Gen. Ed.)		3
HMGD 2910	Catering/Buffer		4
<b>Total</b>			<b>13</b>
<b>Fourth Semester</b>			<b>Cr.</b>
DIET 2520	Qty Food Service Mgmt II		3
DIET 2610	Health Care Delivery Systems		2
DIET 2030	Dietetic Field Experience III		4
DIET 2990	Food Service Seminar		1
****	Social/Behavioral Sciences (Gen.Ed.) <sup>1</sup>		3
<b>Total</b>			<b>13</b>
<b>Total Program Credits</b>			<b>62</b>

**FOOD PREPARATION, SAFETY and SERVICE**

Technical Certificate of Credit

Linda Pope ▪ (901) 333-5056

Southwest offers the following curriculum plan to provide qualified persons with a good start toward food service careers. Students who desire may also pursue the Associate of Applied Science degree.

<b>Required Courses</b>			<b>Cr.</b>
DIET 1110	Techniques of Food Preparation		4
DIET 1820	Equipment Layout and Design		2
DIET 1810	Sanitation Measures		2
DIET 1310	Principles of Nutrition		3
DIET 1210	Nutrition Care Lab I		2
DIET 1130	Quantity Cookery		6
DIET 2985	Special Studies in Food Services 3 hours Practicum and 3 hours of one of the following: Special Studies in Baking or Waiter/Waitress		6
<b>Total Credit Hours</b>			<b>25</b>
<b>Suggested Additional Courses</b>			<b>Cr.</b>
HGMT 2910	Catering/Buffer		4
DIET 2995	Advanced Study in Baking		6

This program of study is designed as a terminal degree for a specific career field. The courses offered by the department are not designed for transfer to four-year institutions. Please see the course descriptions section for details about transferability of courses.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

## MEDICAL LABORATORY TECHNICIAN

### Associate of Applied Science Degree

Darius Y. Wilson ▪ (901) 333-5407

The Medical Laboratory Technician is an essential member of the health care team, providing laboratory tests used in the diagnosis, treatment and prognosis of disease, and the maintenance of health.

This program is designed to give students both theoretical knowledge and practical experience in a variety of laboratory procedures. Students in the program spend the final six months of the second year rotating through clinical laboratories of area hospitals. During this period, the program calendar will differ from the school calendar. Students accepted into the program must remain in sequence and complete all courses on schedule.

This Medical Laboratory Technician program is licensed by the State of Tennessee Department of Health Medical Laboratory Board-Facilities Health Related Boards and is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 8410 West Bryn Mawr Suite 670, Chicago, IL 60631 (773) 714-8880. Program graduates are eligible to take national certification examinations and make application for Tennessee licensure as medical laboratory technicians.

The Medical Lab Technician clinical sites: Methodist University Hospital, Memphis Pathology Lab, LeBonheur Children's Hospital, Baptist Memorial, St. Jude Children's Research Hospital, Methodist Germantown, Regional Medical Center, and Lifeblood.

### Admission Requirements

To be eligible for consideration for admission, the applicant must have:

1. Degree admission status at Southwest
2. Completed the following prerequisite courses with a minimum grade of C:
  - a. a college level English course
  - b. BIOL 1110 or BIOL 1310 or the equivalent of one of these courses
  - c. MLT 1110
3. Be eligible to enroll in a college level mathematics course.
4. Successfully completed any science course attempted and required for the degree.
5. A cumulative GPA of 2.0 or higher.
6. Submitted the following materials to the Admissions, Records and Recruitment office by the established deadline: July 1 (Fall semester admission); or November 1 (Spring semester admission):
  - a. Application for Special Admission Programs
  - b. Official transcript(s) of all college work attempted and/or completed at college(s) or university(ies) other than Southwest (mailed directly from releasing institution)

### Advanced Standing Admission

Students who have completed all of the prescribed first year courses except MLT 1110 and/or MLT 1500 may be considered for admission to the program, with advanced standing, depending upon availability of space. Advanced standing applicants must fulfill the regular program admission requirements. Admission is competitive, with preference given to students who exceed the minimum requirements.

### Selection Criteria

The MLT Admission Committee ranks applicants according to the following criteria:

- |                                     |     |
|-------------------------------------|-----|
| 1. College-level GPA                | X 2 |
| 2. Required prerequisite course GPA | X 2 |
| 3. Admission/Readmission essay      | X 1 |

### Retention Policy

In order to retain a position in the program, the student must:

1. Meet the Technical Standards for the Medical Laboratory Technician Program.
2. Maintain a cumulative GPA of 2.0.
3. Earn a minimum grade of C in all MLT courses required for the degree. Any student who fails to meet this requirement in any of the above courses will be dismissed from the program.
4. Complete the following courses prior to enrollment in the second year MLT courses:
  - a. College level chemistry: 4 hours prior to enrollment in Medical Biochemistry
  - b. Microbiology: 4 hours prior to enrollment in Medical Microbiology
5. Remain in sequence and on schedule for enrollment in Clinical Assignments I and II and Clinical Seminar.
6. Submit a medical record/physical examination showing freedom from any communicable disease, drug or alcohol addiction, and evidence of emotional and physical fitness for performing professional duties prior to clinical assignment.

### Malpractice Insurance

Students are required to purchase malpractice insurance when registering for initial Clinical Assignment.

### Readmission Policy

Students withdrawing from the program or dismissed for academic reasons may be considered for readmission under current admission policy, based on space availability. The Admission Committee will review the student's transcript to identify courses to be retaken. Due to the rapid change of technology in the field of laboratory medicine, no more than two years may elapse between completion of any MLT second year didactic course and the beginning of the clinical assignment courses. Students desiring readmission must submit a written request to the MLT Program director 30 days prior to the first day of registration for that term.

## Technical Standards for Medical Laboratory Technician and Laboratory Phlebotomy Technician Programs

Darius Y. Wilson ▪ (901) 333-5407

Technical standards are the essential nonacademic requirements of the program that a student must be able to master to participate successfully in the MLT or LPT programs and become employable. Applicants for these programs must possess the following list of technical abilities and skills. If you are not sure that you will be able to meet these technical standards, please consult with the Program Coordinator of Medical Laboratory Technology for further information and to discuss individual situations.

Any student with special needs who is requesting reasonable accommodations or assistive technology may do so through the Student Disability Services Office.

1. **Speech:** Ability to verbally communicate understandably in English.
2. **Hearing:** Ability to understand English when spoken in person or via the telephone.
3. **Vision:** Natural or corrected to 20/20, ability to distinguish red, yellow, and blue colors, distinguish clear from cloudy, and distinguish objects in the range of 1 micron through the microscope.
4. **Mobility:** Ability to maneuver in the laboratory, around instruments, in confined spaces, and in patient rooms. Movement includes utilizing shoulders, arms, and neck; bending; twisting the body; standing; reaching and grasping overhead, in front of the body, and down.
5. **Fine Motor Control:** Ability to manipulate small objects with fingertips or control adaptive devices.
6. **Coordination:** Eye/hand and eye/hand/foot coordination.
7. **Reasoning:** Ability to deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret instructions furnished in oral, written, diagrammatic, or schedule form. Ability to deal with problems from standard situations. Ability to carry out detailed but uninvolved written or oral instructions. Ability to carry out one or two step instructions.
8. **Mathematics:** Ability to add, subtract, multiply and divide whole numbers and fractions, calculate time, use metric system for measurements, calculate percentages, solve for one variable, set-up and solve ratio and proportion problems, interpret simple statistical data.
9. **Reading:** Ability to comprehend simple instructions or notations from a log book, ability to comprehend newspapers, manuals, journals, instructions in use and maintenance of equipment, safety rules and procedures and drawings.
10. **Writing:** Ability to compose English sentences containing subject, verb, and object; complete notations in a log book, complete job applications, prepare business letters, write reports using prescribed format and conforming to rules of punctuation, spelling, grammar, diction and style.
11. **Perception:** Ability to perceive pertinent detail in objects or in pictorial or graphic material; to make visual comparisons and discriminations and see slight differences in shapes and shadings of figures, and widths and lengths of line; to comprehend forms in space and understand relationships of plane and solid objects; the ability to visualize objects of two or three dimensions.
12. **Clerical:** Ability to perceive pertinent detail in verbal or tabular material; to observe differences in copy, to proof-read words and numbers, and to avoid perceptual errors in arithmetic computation.
13. **Data:** Ability to synthesize, coordinate, analyze, compile, compute, copy, and compare data standards for Medical Lab/Phlebotomy Technicians.
14. **Personal Traits:** Ability to comprehend and follow instruction; perform simple and repetitive tasks; maintain a work pace appropriate to a given work load; relate to other people beyond giving and receiving instructions, perform complex or varied tasks, make generalizations, evaluations or decisions without immediate supervision, accept and carry out responsibility for directions, control and planning.
15. **Environmental:** Ability to work indoors, be around moving machinery; factors: fumes, gases, odors, irritating particles, possibly be exposed to toxic or caustic chemicals, blood and body fluids, noise, radiation or electrical energy, vibration; work in confined spaces, use a computer monitor; work alone, with others, and/or around others.
16. **Safety Equipment Required to Wear:** Safety glasses, face mask/shield, protective clothing, protective gloves.

**MEDICAL LABORATORY TECHNICIAN****Associate of Applied Science Degree****Darius Y. Wilson ■ (901) 333-5407**

<b>First Semester</b>		<b>Cr.</b>
BIOL 1110	General Biology I (Gen. Ed.)	4
ENGL 1010	English Composition I (Gen. Ed.)	3
MLT 1110	Orientation to Medical Lab	3
MLT 1500	Phlebotomy	3
CHEM 1010	Introduction to Chemistry I or	4
CHEM 1110	General Chemistry	4
<b>Total</b>		<b>17</b>
<b>Second Semester</b>		<b>Cr.</b>
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
MLT 1120	Laboratory Operations	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
BIOL 1230	Microbiology	4
<b>Total</b>		<b>13</b>
<b>Third Semester</b>		<b>Cr.</b>
MLT 2320	Medical Microbiology	7
MLT 2120	Medical Hematology	6
<b>Total</b>		<b>13</b>
<b>Fourth Semester</b>		<b>Cr.</b>
MLT 2100	Medical Biochemistry	5
MLT 2510	Immunohematology	3
MLT 2820	Clinical Assignment I	10
<b>Total</b>		<b>18</b>
<b>Summer Semester</b>		<b>Cr.</b>
MLT 2710	Clinical Seminar	2
MLT 2820	Clinical Assignment II	4
<b>Total</b>		<b>6</b>
<b>Total Program Credits</b>		<b>67</b>

This program of study is designed as a terminal degree for a specific career field. The courses offered by the department are not designed for transfer to four-year institutions. Please see the course descriptions section for details about transferability of courses.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

**LABORATORY PHLEBOTOMY TECHNICIAN****Technical Certificate****Darius Y. Wilson ■ (901) 333-5407**

The Laboratory Phlebotomy Technology program is designed to train individuals to properly collect and handle blood specimens for laboratory testing and to interact with health care personnel, patients, and the general public. Students must apply for admission to second semester courses. This program is approved by the National Accrediting Agency for Clinical Laboratory Sciences.

Laboratory Phlebotomy clinical sites: Lifeblood East, LeBonheur Children's Hospital, St. Francis Hospital, Methodist North, Methodist Germantown, Methodist University Hospital, St. Jude Children's Research Hospital.

**Admission Requirements**

To be eligible for consideration for admission, the applicant must:

1. Have been granted either degree or non-degree admission at the College.
2. Have completed MLT 1110 Orientation to Medical Laboratory and MLT 1500 Phlebotomy with a grade of "C" or higher.
3. Have a cumulative grade point average (GPA) of 2.0 or above.
4. Have submitted the following materials to the Admissions Office by the established deadline: July 1 (Fall semester); or November 1 (Spring semester):
  - a. The application for Special Admission Programs.
  - b. Official transcript(s) of all college work attempted and/or completed at college(s) and university(ies) other than Southwest (mailed by the releasing institution).

**Selection Criteria**

The Laboratory Phlebotomy Technician Admissions Committee ranks applicants according to the following criteria:

1. College-level GPA x2
2. Required prerequisite course GPA. Prerequisite courses must be current (completed within a year of clinicals) x2

**Retention Policy**

1. Students must maintain a 2.0 GPA to continue in the program.
2. All courses must be completed with a grade of C or higher. Any student failing the same course twice, or two separate courses, will be dismissed from the program.
3. Students must meet the Technical Standards for the Medical Laboratory Technician and Laboratory Phlebotomy Technician programs.
4. Students must submit a medical record/physical examination showing freedom from any communicable disease, drug or alcohol addiction, and evidence of emotional and physical fitness for performing professional duties prior to clinical assignment.

**Readmission**

Students dismissed for academic failure may be considered for readmission the following year under the current policy, based on space availability.

**Recommended Course Sequence**

<b>First Semester (6 hrs)</b>		<b>Cr.</b>
MLT 1110	Orientation to Medical Laboratory Technology	3
MLT 1500	Phlebotomy	3

*Students must be admitted into the Phlebotomy program before enrolling in the second semester courses. Applications must be submitted by the deadline date(s).*

<b>Second Semester (14 hrs)</b>		<b>Cr.</b>
MLT 1550	Phlebotomy Seminar	2
MLT 1570	Phlebotomy Clinical Assignment	12

**Malpractice Insurance**

Students are required to purchase malpractice insurance when registering for MLT 1570, Phlebotomy Clinical Assignment.

**PHARMACY TECHNICIAN  
Technical Certificate  
Darius Y. Wilson ■ (901) 333-5407**

A pharmacy technician works under the supervision of a pharmacist to assist in the performance of activities of the pharmacy department not requiring the professional judgment of the pharmacist. Such duties include but need not be limited to: maintaining patient records, setting up packaging, labeling medication dose, filling and dispensing routine orders for stock supplies of patients-care areas, and maintaining inventories of drug supplies and mixing drugs with parenteral fluids.

**Accreditation**

The Pharmacy Technician Program will be eligible for accreditation by the Tennessee Pharmacists Association through the American Society of Hospital Pharmacists.

**Admission Requirements**

In addition to general College admissions requirements, admission to the Pharmacy Technician Program requires the following:

1. Student must be 18 years of age or older.
2. Must complete an interview with the Admissions Committee; must have high school diploma or GED equivalency; and must submit a score on the Span III in reading and mathematics on the Test for Adult Basic Education. Students are ranked using a TABE score (high school equivalency).
3. Health: Proof of mumps, measles and rubella immunization or immunity; proof of negative TB skin test and negative drug screen; physical examination and physician's statement of suitability for matriculating in the program and job function. Documentation must be submitted prior to clinical rotations.
4. Applicant must complete an Authorization to Release Information form. Criminal convictions of a drug-related nature will disqualify an applicant for admission to the Pharmacy Technician Program.

Enrollment will be limited to 25 students per 12-month-period. Admission is competitive and preference will be given to students who meet the minimum requirements listed above.

**Retention Policy**

Students in the Pharmacy Technician Program must pass all units of instruction with a minimum grade of "C". Failure to do so will result in the student's being dropped from the program. Since these units of instruction are offered in a lock-step sequence, the student will not have the opportunity to retake the course until the following year. If the student desires to be considered for readmission into the program, the student must make written application to the Admissions Committee 30 days prior to the beginning of the registration period of the semester in which the student wishes to be admitted.

**Graduation Requirements**

Students must complete all units of instruction and maintain a cumulative average of "C" or above over the 12-month period. The clinical rotation must be completed with a "B" average or above in each clinical setting.

**Required Courses**

**Fall Semester**

PHRM 1010	Introduction to Pharmacy Operations	<b>Cr.</b>
PHRM 1030	Measurements and Calculations	3
PHRM 1050	Personal-Vocational Relationships	3
AHS 1020	Medical Terminology	2
PHRM 1040	Structure and Function of Body Systems	3
<b>Total Program Credits</b>		<b>14</b>

**Spring Semester**

PHRM 1060	Sterile Products Theory and Lab	<b>Cr.</b>
PHRM 1070	Pharmacology	3
PHRM 1080	Computer Science	3
PHRM 1090	Pharmacy Practice Theory and Lab	3
PHRM 1100	Third Party Reimbursement	3
<b>Total Program Credits</b>		<b>15</b>

**Summer Semester**

PHRM 1110	Clinical Training (Hospital)	<b>Cr.</b>
PHRM 1120	Clinical Training (Retail)	3
<b>Total Program Credits</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>35</b>

**PHYSICAL THERAPIST ASSISTANT****Associate of Applied Science Degree****Eddy Zeno ■ (901) 333-5394 or (901) 333-5395**

The Physical Therapist Assistant (PTA) is a health-care professional who works under the supervision of a physical therapist. The PTA works with a variety of patients who have been disabled by illness, accident, or congenital handicap. The duties of a PTA include assisting the physical therapist in implementing treatment programs that may involve exercise, massage and hydrotherapy; the use of heat, cold, electricity, or sound; and reporting to the physical therapist on the patient's responses. As clinicians, PTAs work in hospitals, nursing homes, schools, rehabilitation centers, and for physical therapists in independent practice.

Following graduation, graduates are eligible to sit for the state licensing examination. The program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE).

**Admission Requirements**

To be eligible for consideration for admission to the PTA program, an applicant must meet the minimum requirements listed below. (Note: Meeting requirements does not assure admission to the PTA program.)

1. Be granted degree admission status at Southwest Tennessee Community College.
2. Present an overall GPA of at least 2.0.
3. Complete each of the following prerequisite courses with a minimum grade of "C" prior to the Summer term for which the student is seeking admission:

ENGL 1010	English Composition I
BIOL 2010	Principles of Anatomy and Physiology I*
BIOL 2020	Principles of Anatomy and Physiology II*
PHYS 1210	Physics for the Health Sciences
PSYC 1010	General Psychology I

\*Applicants must have completed within the previous 7 years, both Anatomy and Physiology I and II.

4. Submit the following materials to the Admissions, Records and Recruitment office by April 1:
  - a. The Special Application for Admission to Allied Health Sciences
  - b. Admission essay describing reasons for desiring admission to the PTA program and any related experience.
  - c. Official transcript (s) of all college work attempted and/or completed at college(s) and university(ies) other than Southwest (mailed from releasing institution). Final transcripts of courses in progress during spring semester must be submitted to Southwest's Admission, Records and Recruitment office prior to the May meeting of the PTA Admission Committee.
  - d. Clinical Experience Verification forms documenting work or volunteer experience in two physical therapy clinics for at least eight hours at each clinic (sixteen hours total).

**Selection Criteria**

The PTA Admission Committee meets at the end of the Southwest Spring Semester and ranks each applicant according to his or her Admission Index, which is derived from the variables listed below. Each variable is multiplied by the assigned weight, and an index obtained by summing the results:

1. College-level GPA	x2
2. Required prerequisite course GPA	x2
3. Experience in the field of physical Therapy	x1
4. Admission/readmission essay	x1

The first 20 applicants with the highest Admission indices are selected for admission to the program. Refer to the Admission and Retention Procedures for Allied Health Sciences and Nursing Programs for more information related to the selection process and calculation of an Admission Index.

**Retention Policy**

Students must maintain a minimum grade of "C" in all PTA courses. Failure to do so will result in dismissal from the program. Students dismissed for academic reasons may be considered for readmission the following year under current policy, based on space availability. The Admission Committee will review the student's transcript to identify substantially revised courses to be retaken. Students desiring readmission must submit a written application to the Admissions Committee 30 days prior to registration for that term.

**PHYSICAL THERAPIST ASSISTANT**

**Associate of Applied Science Degree**

**Eddy Zeno ▪ (901) 333-5394**

<b>First Semester</b>		<b>Cr.</b>
BIOL 2010	Principles of Anatomy and Physiology I	4
ENGL 1010	English Composition I (Gen. Ed.)	3
****	Mathematics (Gen. Ed.) <sup>1</sup>	3
PSYC 1010	General Psychology I (Gen. Ed.)	3
<b>Total</b>		<b>13</b>
<b>Second Semester</b>		<b>Cr.</b>
BIOL 2020	Principles of Anatomy and Physiology II	4
PHYS 1210	Physics for Health Sciences	4
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
AHS 1020	Medical Terminology	3
<b>Total</b>		<b>14</b>
<b>Summer Semester</b>		<b>Cr.</b>
PTA 2410	PTA Clinical Procedures I	3
PTA 2420	PTA Clinical Arts I	1
PTA 2430	PTA Seminar I	1
PTA 2440	PTA Clinical Education I	1
PTA 2450	Kinesiology for the PTA	3
<b>Total</b>		<b>9</b>
<b>Third Semester</b>		<b>Cr.</b>
PTA 2510	PTA Clinical Procedures II	2
PTA 2520	PTA Clinical Arts II	4
PTA 2530	PTA Seminar II	2
PTA 2540	PTA Clinical Education II	1
PTA 2550	Pathophysiology for the PTA	2
PTA 2560	Assessment Techniques for the PTA	3
<b>Total</b>		<b>14</b>
<b>Fourth Semester</b>		<b>Cr.</b>
PTA 2610	PTA Clinical Procedures III	3
PTA 2620	PTA Clinical Arts III	4
PTA 2630	PTA Seminar III	1
PTA 2640	PTA Clinical Education III	4
<b>Total</b>		<b>12</b>
<b>Total Program Credits</b>		<b>62</b>

This program of study is designed as a terminal degree for a specific career field. The courses offered by the department are not designed for transfer to four-year institutions. Please see the course descriptions section for details about transferability of courses.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

**RADIOLOGIC TECHNOLOGY**  
**Associate of Applied Science Degree**  
**Glenn Swinny ▪ (901) 333-5733**

The mission of the Radiologic Technology Program is to prepare competent, certified radiographers to help meet entry-level needs of employers of the health care community in Southwest's service area. This program offers an opportunity to develop skills necessary to assure comprehension, application, and evaluation of clinical information; competent clinical proficiency; and acceptable professional behavior in their roles as medical radiographers. Upon completing degree requirements, students may sit for the national certification examination administered by the American Registry of Radiologic Technologists. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Dr., Suite, 900, Chicago, IL 60606-2901, Phone (312) 704-5300.

In support of its mission statement, the program has established the following goals:

1. The program will graduate students with entry-level employment skills.
2. The program will meet needs and expectations of its graduates and of employers hiring its graduates.
3. The program will maintain appropriate state-of-the-art instructional facilities and equipment.

#### **Admission Requirements**

To be eligible for admission into the Radiologic Technology program, candidates must:

1. Be granted degree admission status at Southwest
2. Have achieved an overall grade point average (GPA) of at least 2.0 on all college level courses completed.
3. Be at least 18 years of age.
4. Have completed the following prerequisite courses with a minimum grade of "C":
  - a. English I
  - b. College-level math course to satisfy A.A.S. degree requirements (Finite Math is preferred and will be most helpful in RADT courses)
  - c. College-level natural science course to satisfy Career Core degree requirements (General Biology I is preferred)
  - d. RADT 1010 Introduction to Radiologic Technology
5. Submit a score on the Health Occupations Aptitude Test administered by the Southwest Testing Center.
6. Submit the Special Application for Admission to Allied Sciences programs by April 15.
7. Submit official transcript(s) of all college work attempted and/or completed at colleges other than Southwest prior to May 15 (mailed from releasing institution).
8. Applicants must complete all prerequisite requirements and testing by the end of the Spring semester prior to the Summer semester for which they are applying.

#### **Selection Criteria**

The Radiologic Technology Admissions Committee ranks the applicants using the following criteria:

- |   |     |
|---|-----|
| 1. College-level GPA  | x 2 |
| 2. Prerequisite course GPA                                      | x 2 |
| 3. Score on the Health Occupations Aptitude Test divided by 100 |     |

#### **Retention Policy**

Students must attain a minimum grade of "C" in all RADT courses. Failure to do so will result in dismissal from the program.

#### **Readmission Policy**

Students withdrawing from the program or dismissed for any reason may be considered for readmission the following year Program Coordinator of Radiologic Technology 30 days prior to the first day of registration for that term.

#### **Transfer Policy**

Transfer students from other accredited college-based radiologic technology programs will be considered for advanced standing only after evaluation of courses completed at that institution. Space must also be available in the clinical sites.

**RADIOLOGIC TECHNOLOGY**  
**Associate of Applied Science Degree**  
**Glenn Swinny ▪ (901) 333-5733**

This program begins in the Summer II session, and all courses with the RADT identifier must be taken in sequence during successive semesters as indicated in the course sequence below. General Education requirements for English, Mathematics, and Natural Sciences are required prior to applying for admission to the program. Completion of RADT 1010 is also a prerequisite requirement.

<b>Summer Semester</b>		<b>Cr.</b>
RADT 1020	Fundamentals of Radiography	3
RADT 1710	Clinical Radiologic Lab	2
<b>Total</b>		<b>5</b>

<b>First Semester</b>		<b>Cr.</b>
RADT 1210	Radiologic Physic I	3
RADT 1310	Radiographic Anatomy and Physiology I	2
RADT 1510	Radiographic Procedures I	3
RADT 1910	Radiologic Clinic I	2
<b>Total</b>		<b>10</b>

<b>Second Semester</b>		<b>Cr.</b>
RADT 1030	Fundamentals of Radiologic Technology II	3
RADT 1220	Radiologic Physics II	3
RADT 1320	Radiographic Anatomy and Physiology II	2
RADT 1520	Radiographic Procedures II	3
RADT 1920	Radiologic Technology II	2
<b>Total</b>		<b>13</b>

<b>First Summer Semester</b>		<b>Cr.</b>
RADT 1930	Radiologic Clinical III	4
<b>Total</b>		<b>4</b>

<b>Second Summer Semester</b>		
RADT 2910	Radiologic Clinical IV	4
<b>Total</b>		<b>4</b>

<b>Third Semester</b>		<b>Cr.</b>
RADT 1230	Essential of Radiobiology	2
RADT 1530	Radiographic Procedures III	3
RADT 2020	Fundamentals of Radiologic Technology III	3
RADT 2920	Radiologic Clinic V	3
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>14</b>

<b>Fourth Semester</b>		<b>Cr.</b>
RADT 2110	Introduction to Pathology	2
RADT 2030	Fundamentals of Radiologic Technology IV	3
RADT 2930	Radiologic Clinic VI	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>11</b>

<b>First Summer Semester</b>		<b>Cr.</b>
RADT 2040	Fundamentals of Radiologic Technology V	3
<b>Total</b>		<b>3</b>
<b>Total Program Credits</b>		<b>67</b>

This program of study is designed as a terminal degree for a specific career field. The courses offered by the department are not designed for transfer to four-year institutions. Please check the course description section of this catalog for details.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

## EMERGENCY MEDICAL TECHNICIAN – BASIC

### Technical Certificate

Glenn Faught ▪ (901) 333-5400

Accredited by the State of Tennessee Emergency  
Medical Services Regulatory Board

The following course of study is designed to provide the student with the foundation needed for competent entry level Emergency Medical Technicians (EMT). Persons interested in the field of Emergency Medical Services should begin and successfully complete a study of traumatic and medical emergencies in this program. The student will be educated towards the goal of becoming an integral part of the health care team in the overall health care system to reduce mortality and morbidity of the general population. Emergency Medical Technician (EMT) licensure or eligibility for licensure is required before entry into the paramedic program. The program is accredited by the Emergency Medical Services Board (EMS) Division, Tennessee Department of Health and Environment.

### Admission Requirements

The admission requirements for this course of study are the same as the school's requirement for entry into a technical certificate program. In addition the student must be 18 years of age, able to speak English and have no felony convictions. Students may enroll in the course on a space available basis. Students may be subject to criminal background checks, drug testing and testing for communicable diseases.

### Retention Policy

Students must comply with the following retention policy established by the EMS Division, Tennessee Department of Health and Environment, Tennessee E.M.S. Board or Southwest Emergency Medical Technology Program.

1. Complete and return all required forms and documents.
2. Successfully complete all competencies as defined by the EMS program standards.
3. Demonstrate proficiency using skills acquired during training which verify capabilities in emergency care.
4. Attend all classes, on time, and in compliance with all program rules and regulations.
5. Meet all standards requested by the instructor and department head.
6. Maintain a GPA of 2.00 in all EMT courses.
7. A grade of "D" or lower is not acceptable for State Exam Requirements.
8. Have no felony convictions.
9. Must have medical clearance by an M.D. to perform as an Emergency Medical Technician.
10. Meet all standards as required by the Tennessee EMS Board.
11. Must pass a program comprehensive exam administered by the program director before taking national registry written exam.
12. Students will have ONE SEMESTER BEYOND THE SCHOOL SEMESTER SCHEDULED COMPLETION TIME to finish the program before repeating the entire sequence.
13. Due to the lack of clinical spaces, students may have to successfully perform procedures on each other including invasive techniques before being deemed competent in those skills.
14. Students will be required to pay licensure fees and site testing fees for their licensure exam.

### Recommended Course Sequence

<b>First Semester</b>		<b>Cr.</b>
EMT 1090	Intro. to Emergency Technology	3
EMT 1040	Emergency Medical Technology I	7
<b>Second Semester</b>		<b>Cr.</b>
EMT 1050	Emergency Med. Technology II	7
<b>Total Credit Hours</b>		<b>17</b>
<b>EMT Fasttrack</b>		
EMT 1090	Intro. to Emergency Technology	3
EMT 1040	Emergency Med. Technology II	7
EMT 1050	Emergency Med. Technology II	7

Note: All three classes must be taken together at the same location and campus.

### Malpractice Insurance

Students are required to obtain malpractice insurance for participation in the EMT program. Malpractice insurance should be good for one year and purchased at the beginning of EMT 1040

**PARAMEDIC**  
**Technical Certificate**  
**Glenn Faught ▪ (901) 333-5400**  
**Accredited by the Commission of Accreditation of**  
**Allied Health Education Programs and the State of**  
**Tennessee**  
**Emergency Medical Services Regulatory Board**

The following course of study is for Emergency Medical Services personnel who have current licensure as Tennessee Emergency Medical Technicians (EMT) and wish to obtain paramedic licensure as a competent entry level Paramedic. The course of study is one year. Classes will meet two days per week. Students will schedule their clinical times however, ALL COMPETENCIES WILL BE MET. The student will be educated from the New U.S. D.O.T. National Standard 1999-2000 Paramedic Curriculum. After being accepted into the program, the student will achieve competencies in the cognitive, psychomotor and affective domains from didactic instruction, classroom lab skills, actual clinical application with patient contacts under the supervision of a trained pre-hospital and hospital preceptor. Affective or behavior evaluations will occur in the classroom as well as the clinical setting. The student will move from observer to participation in the clinical phase and completing as a team leader in the field internship phase. The student will be reviewed during the various phases of the program in order to be able to progress to the next level. After successfully passing a program competency exam, a summative review for terminal competency will be performed. The summative review will be performed by faculty, preceptors, program director and medical director for recommendation of the licensure exam. The program is accredited by the Emergency Medical Services Division Board (EMS), Tennessee Department of Health and Environment and by the Commission on Accreditation of Allied Health Educational Programs.

#### Admission Requirements

The Admission Criteria for the Paramedic program are established by the Division of Emergency Medical Services (EMS), Tennessee Department of Health, Commission on Accreditation of Allied Health Education Programs and Southwest Tennessee Community College Emergency Medical Technology Communities of Interest Committee. These criteria are subject to change. In admitting students, the Admissions Committee will apply the latest admission criteria. To be eligible for consideration for admission, the applicant must:

1. be currently licensed, certified or registered as an Emergency Medical Technician-Basic or be eligible for such licensure. Proof of licensure must be made by the beginning of the 2nd semester of enrollment or the student will not be eligible for the participation phase of clinicals.
2. have a minimum 2.5 ranking on the EMS prescribed evaluations, which include a written examination, a psychological evaluation, and a personal interview. Class is chosen from applications with the highest ranking from the above tests.
3. Non-residents of Shelby/Fayette counties, who meet admission requirements, will be selected on space available basis. The applicant will meet two phases of admission.

The Admissions, Records and Recruitment office will collect and determine if the applicant has met the criteria for college admission into a technical certificate program. The department will collect and rank the following information for admission to the program:

- test scores from the written examinations
- MMPI scores from the psychological profiles
- oral interview scores from the oral interview
- copy of the current EMT license or proof of eligibility competency in Math, Writing, Reading and Anatomy and Physiology

When all information has been compiled, an EMT program representative and an Admissions Office representative will meet and certify the paramedic applicant pool. Certification will be determined by clearance from the Admissions office and the EMT program. Clearance will be defined as having met the criteria from both Admissions and EMT program.

#### Retention Policy

Students must comply with the following retention policies established by the Division of EMS, Tennessee Department of Health and Environment, Commission of Accreditation of Allied Health Programs, State of Tennessee Emergency Medical Services Regulatory Board and Southwest Emergency Medical Technology Communities of Interest Committee.

1. Complete and return all required forms and documents.
2. Successfully complete all competencies as defined by the EMS program standards.
3. Demonstrate proficiency using skills acquired during training which verify knowledge and technical capabilities in emergency care.
4. Attend all classes, on time, and in compliance with all clinical and departmental rules and regulations.
5. Meet all standards.
6. Maintain a QPA of 2.00 in all EMT courses.
7. Must successfully pass the Paramedic Program competencies before taking National Registry.
8. Must pass each section of the program comprehensive written and practical before taking National Registry.
9. Must successfully move from observer to Team Leader.

#### Plan of completion

1. Meet all pre-admission testing criteria:  
 COMPASS test  
 Anatomy and Physiology competency exam  
 EMT knowledge assessment exam  
 MMPI-psychological profile  
 sit for oral interview  
 Final overall score form all tests must meet the minimum of 2.5
2. Must attend a two day program orientation.
3. Must sign an acceptance form for the paramedic student position and agree to all rules and regulations.
4. Must register for each semester.
5. Must be able to meet any travel requirements.
6. Must have a medical clearance.
7. May be required to undergo a background check, drug screening or communicable disease testing at anytime before or during the program.
8. Must purchase all equipment and supplies as agreed upon in the orientation.
9. Must undergo education in HIPAA and blood-borne pathogens.
10. Must obtain malpractice insurance with a minimum of 1-3 million dollars coverage.
11. Must obtain a clinical uniform.
12. Must successfully complete all cognitive competencies with a minimum grade of 80% from each instructor.
13. Must successfully pass all psychomotor and clinical competencies.
14. Must meet a minimum score of 2 on all affective competencies.
15. Must attend a human cadaver lab.
16. Must submit research and implement an injury prevention project.
17. Must keep and submit periodically a clinical and personal journal.
18. Must present actual patient case contacts at the end of each semester.
19. Must complete a ten-page paper.
20. Must complete the objective packet.

21. Must complete items 1-20 before being considered for team leader.
22. Must complete 50 patient contacts as team leader.
23. Must pass program comprehensive exam within one semester beyond the school scheduled semester completion date.
24. Must undergo a successful summative review.
25. Must be deemed as a competent entry level paramedic by the faculty, preceptors, program director and medical director.
26. Must attend a program sponsored graduation.
27. Must complete paperwork for licensure examination.

<b>Required Courses</b>		<b>Cr.</b>
EMT 2010	Paramedic I	17
EMT 2020	Paramedic II	17
EMT 2030	Paramedic III Hospital and Field Clinical Experience	4
EMT 2040	Paramedic IV Team Leader	2
<b>Total Credit Hours</b>		<b>40</b>

### **Malpractice Insurance**

Students are required to obtain malpractice insurance for participation in the Paramedic program. Malpractice insurance should be good for one year from the beginning of the Paramedic or EMT program.

**Associate of Science Degree  
University Parallel  
A curriculum plan with an area of emphasis in  
ENGINEERING**

<b>First Semester</b>		<b>Cr.</b>
ENGL 1010	English Composition I (Gen. Ed.)	3
MATH 1910	Calculus and Analytic Geometry I (Gen. Ed.)	4
CHEM 1110	General Chemistry I (Gen. Ed.)	4
SPCH 2010	Oral Communications (Gen. Ed.)	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>17</b>
<b>Second Semester</b>		<b>Cr.</b>
ENGL 1020	English Composition II (Gen. Ed.)	3
MATH 1920	Calculus and Analytic Geometry II	4
CHEM 1120	General Chemistry II (Gen. Ed.)	4
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>17</b>
<b>Third Semester</b>		<b>Cr.</b>
****	Literature (Gen. Ed.) <sup>1</sup>	3
MATH 2110	Calculus and Analytic Geometry III	4
PHYS 2110	Physics for Science and Engineering I	4
****	History (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>14</b>
<b>Fourth Semester</b>		<b>Cr.</b>
****	History (Gen. Ed.) <sup>1</sup>	3
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
MATH 2120	Differential Equations	3
PHYS 2120	Physics for Science and Engineering II	4
<b>Total</b>		<b>13</b>
<b>Total Program Credits</b>		<b>61</b>

**Contact John Kendall, (901)333-5240**, for college-parallel area of emphasis advising and transfer information. Students should check course recommendations with the college or university to which they intend to transfer for a baccalaureate degree. The receiving institution always makes the final decision about transferability of credits.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

**Associate of Science Degree  
University Parallel  
A curriculum plan with an area of emphasis in  
MATHEMATICS**

<b>First Semester</b>		<b>Cr.</b>
ENGL 1010	English Composition I (Gen. Ed.)	3
MATH 1910	Calculus and Analytic Geometry I (Gen. Ed.)	4
4 SPCH	2010 Oral Communications (Gen. Ed.)	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>16</b>
<b>Second Semester</b>		<b>Cr.</b>
ENGL 1020	English Composition II (Gen. Ed.) <sup>1</sup>	3
MATH 1920	Calculus and Analytic Geometry II	4
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences (Gen. Ed.) <sup>1</sup>	4
<b>Total</b>		<b>14</b>
<b>Third Semester</b>		<b>Cr.</b>
****	Humanities/Fine Arts - Literature Course (Gen. Ed.) <sup>1</sup>	3
MATH 2110	Calculus and Analytic Geometry III	4
****	Natural Sciences (Gen. Ed.) <sup>1</sup>	4
****	History (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>14</b>
<b>Fourth Semester</b>		<b>Cr.</b>
****	Literature (Gen. Ed.) <sup>1</sup>	3
MATH 1530	Statistics (Gen. Ed.)	3
MATH 2120	Differential Equations	3
PHYS 2110	Physics for Science and Engineering I	4
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>16</b>
<b>Total Program Credits</b>		<b>60</b>

**Contact John Kendall, (901)333-5240**, for college-parallel area of emphasis advising and transfer information. Students should check course recommendations with the college or university to which they intend to transfer for a baccalaureate degree. The receiving institution always makes the final decision about transferability of credits.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

MATHEMATICS

**Associate of Science Degree  
University Parallel  
A curriculum plan with an area of emphasis in  
NATURAL SCIENCES**

NATURAL SCIENCES

<b>First Semester</b>		<b>Cr.</b>
ENGL 1010	English Composition I (Gen. Ed.)	3
MATH 1830	Elementary Calculus (Gen. Ed.)	4
	or	
MATH 1910	Calculus and Analytic Geometry I (Gen. Ed.)	4
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences Elective <sup>2</sup>	4
<b>Total</b>		<b>17</b>

<b>Second Semester</b>		<b>Cr.</b>
ENGL 1020	English Composition II (Gen. Ed.)	3
SPCH 2010	Oral Communications (Gen. Ed.)	3
****	Social/Behavioral Sciences (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences Elective <sup>2</sup>	4
****	Humanities/Fine Arts (Gen. Ed.) <sup>1</sup>	3
<b>Total</b>		<b>16</b>

<b>Third Semester</b>		<b>Cr.</b>
****	Literature (Gen. Ed.) <sup>1</sup>	3
****	History (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences Elective <sup>2</sup>	4
****	Natural Sciences Elective <sup>2</sup>	4
<b>Total</b>		<b>14</b>

<b>Fourth Semester</b>		<b>Cr.</b>
****	History (Gen. Ed.) <sup>1</sup>	3
****	Natural Sciences Elective <sup>2</sup>	4
****	Natural Sciences Elective <sup>2</sup>	4
****	General Elective <sup>3</sup>	3
<b>Total</b>		<b>14</b>
<b>Total Program Credits</b>		<b>61</b>

**Contact Saeid Baki, (901) 333-5220**, for college-parallel area of emphasis advising and transfer information. Students should check course recommendations with the college or university to which they intend to transfer for a baccalaureate degree. The receiving institution always makes the final decision about transferability of credits.

<sup>1</sup> Review General Education pages and/or consult advisor for correct selection.

<sup>2</sup> Natural Sciences Electives:

- BIOL 1110 General Biology I
- BIOL 1120 General Biology II
- PHYS 2010 General Physics I
- PHYS 2020 General Physics II
- PHYS 2110 Physics for Science and Engineering I
- PHYS 2120 Physics for Science and Engineering II
- CHEM 1110 General Chemistry I
- CHEM 1120 General Chemistry II
- CHEM 2010 Organic Chemistry I
- CHEM 2011 Laboratory
- CHEM 2020 Organic Chemistry II
- CHEM 2021 Laboratory

<sup>3</sup> General Elective should be chosen in consultation with an advisor.

**NURSING**  
**Associate of Applied Science Degree**  
**Mary Vines ▪ (901) 333-5425**

Southwest offers course work leading to an Associate of Applied Science degree in Nursing. The Nursing Program is designed to prepare graduates for immediate licensure and employment. Graduates of this program are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Persons who have been convicted of a crime other than a minor traffic violation could be ineligible for Registered Nurse Licensure in the state of Tennessee, even though they successfully complete the program.

The Department of Nursing is accredited by the National League for Nursing Accrediting Commission.

**Website:** [www.nlnac.org](http://www.nlnac.org)

**Address:**

61 Broadway - 33rd Floor  
 New York, New York 10006  
 1-800-669-1656 ext. 153  
 (212) 363-5555 ext.153  
 (212) 812-0390

**The Southwest Nursing Program is approved by the:**

Tennessee Board of Nursing  
 Department of Health  
 First Floor, Cordell Hull Building  
 425 Fifth Avenue North  
 Nashville, TN 37247-1010  
 (615) 532-5166

**Admission**

The number of students admitted to the Nursing Program at any one time is limited; therefore, admission is very competitive, and preference is given to those who exceed the minimum qualifications. These individuals must meet the following general criteria for consideration:

1. Be accepted to Southwest as a Regular Admission student.
2. Submit a special application for the Nursing Program with required credentials by the deadlines published in the Bulletin.
3. Have a minimum high school grade point average (GPA) of 3.00 or a minimum 2.5 GPA on all college work completed.
4. Be eligible to enroll in English I and a college-level mathematics course.
5. Have earned a score of 100 or higher on the National League for Nursing Pre-admission Examination (The NLN score is accepted for five (5) years).
6. A letter describing the candidate's desire to enter the Nursing program must accompany the application.
7. The Nursing Admissions Committee shall consider the highest ranking scores to the maximum number of qualified applicants as conditionally admitted to the next official class. Alternates are chosen by the Nursing Admissions Committee in rank order, based upon available space in the class.
8. Each applicant and each alternate shall be notified, in writing, of their admission status.

9. Each conditionally admitted applicant must formally accept admission, in writing, by the specified date. The applicant's medical record, along with documentation of measles and Hepatitis B vaccinations, negative drug screen and a negative TB screening test must be submitted to the Department of Nursing prior to nursing orientation.
10. All admissions to the nursing program are conditional pending receipt of the above documentation. Failure to provide documentation as requested will result in forfeiture of admission status.
11. If a conditionally admitted applicant declines admission or fails to notify the Nursing Admissions Committee of acceptance by the designated date, the applicant's position in the class will be offered to the next highest ranking alternate.
12. Eligible applicants who fail to gain admission to a given class may reapply for admission to the next official class. Those who do so will be evaluated and ranked in accordance with the above procedures and without consideration to previous evaluation and ranking. Rank in one admission process does not establish any right to the same rank or similar rank within another admission process.

**Selection Criteria**

To be eligible for consideration for admission, the applicant must:

1. Have earned a minimum high school GPA of 3.0 or a minimum GPA of 2.5 on any college courses attempted. (High school GPA will be used for applicants without prior college course work).
2. Have earned a grade of "C" or higher in any college level nutrition and science courses required for the program. Science courses must have been taken within the past five (5) years.
3. Be eligible to enroll in English Composition I and a college level mathematics course.
4. Have taken the National League for Nursing Pre-admission Examination and received a minimum composite score of 100.
5. Students must have a negative Drug Screen.

Since applicants are ranked according to the Admission Index, it is recommended, but not required, that Anatomy and Physiology I, Anatomy and Physiology II, and Microbiology, be completed with a grade of "C" or better prior to the qualifying deadline date.

<b>Nursing Index Component</b>	<b>Variable</b>	<b>Weight</b>
College GPA <sup>1</sup>	x	1
A and P I Quality Points	x	4
A and P II Quality Points	x	4
Microbiology Quality Points <sup>2</sup>	x	4
Pre-Admission NLN Exam Score	x	10%
<b>Total Points</b>		

<sup>1</sup>High School GPA may be substituted if no college courses have been taken.

Course Letter Grade	Quality Points	Equivalency
A	4	4
B	3	3
C	2	2

NOTE: Science courses must have been completed within 5 years prior to the admission date and prior to the qualifying application deadline to be included in the index score. In the event an applicant has taken these courses more than once, the most recent grade will be calculated into the index.

### Explanation of Admissions Index and Ranking

If an applicant would like an explanation of his/her calculated Admission Index or assigned rank, the applicant may contact the Nursing Department Chair. Such requests must be made within 15 working days of the date on which the notice of the applicant's admission status was mailed.

### Applicants admitted into the LPN Mobility Track must:

1. Have satisfied all the admission requirements listed previously in items 1 through 12.
2. Have completed within the previous 5 years, and prior to the qualifying application deadline date, Anatomy and Physiology I and II and Microbiology, with at least a "C" grade in each course.
3. Submit an official copy of their current LPN license and evidence of current practice with a recommendation from the present nursing supervisor.
4. Submit evidence of current CPR certification.
5. Applicants for the LPN Mobility Track do not need an **NLN Pre-admission Examination**.
6. Applicants can be admitted to the LPN mobility track only once.

### Students transferring from another NLNAC accredited program must:

1. Satisfy all the requirements for admission and transfer to Southwest.
2. Be in good academic standing and eligible to continue in the program from which they wish to transfer.
3. Have earned a grade of "C" or higher in each previously completed nursing course. Nursing courses accepted for transfer must have been completed within the past one year.
4. Satisfy all the requirements for continuance in good standing as required for Southwest Nursing students.
5. Submit a course syllabus for each completed nursing course to the Chair of the Nursing Department Admission/Progression Committee.
6. Submit a letter from the director of the transferring program attesting to the fact that the transferring student is in good academic standing and eligible to remain in that program.
7. Advanced standing applicants do not need an NLN Preadmission Examination, but may be required to take departmental placement exams.

Note: Advanced standing admissions are accepted on a space available basis.

### Acceptance Procedures for the Nursing Program:

Accepted applicants will be notified in writing. The applicant must accept or decline the admission, in writing, by the deadline specified. Applicants denied admission will be notified in writing and the reason for the denial will be stated in the letter.

### Progression Requirements

1. Students must receive a satisfactory performance rating in the clinical nursing courses and at least a "C" grade in each theory nursing course.

2. A 2.0 cumulative GPA is required in all nursing courses attempted.
3. Students must earn a grade of "C" or higher in Anatomy and Physiology I and II, Microbiology, and Principles of Nutrition.
4. Any student failing the same nursing course twice, or two separate nursing courses, will be dismissed from the Nursing Program.
5. Any student withdrawing from a nursing course in good standing must re-enter the nursing program within 1 year. Students absent from the program for longer than one year will be required to reapply for admission to the program and may be required to repeat all previously taken nursing courses.
6. Students must maintain current certification in Adult and Infant and Child CPR, and be covered by malpractice insurance every semester while in the Nursing Program.
7. Any student withdrawing from a nursing course with an average of less than a "C" grade will be considered as having failed that course. If the student withdraws twice with an average of less than a "C", the student will be dismissed from the Nursing Program.
8. Requirements for completing the Level One Proficiency exam: Students must achieve a score of at least 850 on the Level I proficiency exam to progress to the Level II nursing courses. Students must be passing the current course in order to take the exam. A student failing to achieve a score of at least 850 on the proficiency exam must show evidence of completing a prescribed remediation plan before retaking the exam. The Department of Nursing reserves the right to change the percentage required based on recommendations or requirements from the national exam-scoring center. It is the student's responsibility to pay all fees relating to taking the proficiency examination(s). All fees are nonrefundable and nontransferable.
9. Requirements for completing the Nursing Comprehensive Exit exam: Students must pass a nursing comprehensive exit exam with a score of at least 950 prior to receiving a grade in the last nursing course. An incomplete (I) will be assigned to that course until the student achieves a score of at least 950. A student who is failing the course is not eligible to take the exit exam. A student who does not achieve a score of at least 950 on the exit exam must show evidence of completing a prescribed remediation plan before retaking the exam. Students achieving a 950 on the exit exam must file application for the NCLEX-RN within 30 days of the exit exam. Students not filing the application within 30 days will be required to repeat the exit exam and again attain the required score of 950. The Department of Nursing reserves the right to change the percentage required based on recommendations or requirements from the national exam scoring center. It is the student's responsibility to pay all fees related to taking the examination(s). All fees are nonrefundable and nontransferable.
10. An NCLEX-RN review course is provided for all graduating nursing students prior to filing the application for the NCLEX-RN.
11. Students unsuccessful in NURS 1914 Professional Nursing Transitions and/or NURS 1926 Professional Nursing Transitions Clinical can not progress to the

next nursing course and must apply for admission as a generic student meeting all criteria as listed for the generic track, including a qualifying score on the NLN Pre-admission Examination.

### **Dismissal from the Nursing Program**

1. Violation of classroom procedures, clinical procedures or personal misconduct will result in disciplinary actions and can result in immediate dismissal from the program and the College. Disciplinary actions are warranted by behaviors that include, but are not limited to, conduct dangerous to others, falsification of, or discrepancies in, forms or records; disorderly conduct; threatening or verbally abusive behavior toward faculty, staff, or other students, misuse of or damage to property; misuse of documents or identification cards; violations of state or federal law; unsafe clinical conduct; or a positive drug screen. Procedures for disciplinary action and/or dismissal from the nursing program and appeal procedures are listed in the Student Handbook under the section entitled Student Conduct and Disciplinary Policies. The Student Handbook is in the College's catalog.
2. Any student failing the same course twice or two separate nursing courses will be dismissed from the nursing program.
3. Students dismissed from the nursing program for disciplinary or academic reasons, as outlined above and in the Southwest Nursing Student Handbook, will be ineligible for readmission into the Nursing program.

The Southwest Department of Nursing reserves the right to make changes as required in course offerings, curricula, academic policies, progression requirements and other rules and regulations affecting students. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

**NURSING****Associate of Applied Science Degree  
Generic Track****Mary Vines ▪ (901) 333-5425****First Semester**

BIOL 2010	Principles of Anatomy and Physiology I (Gen. Ed.)	4	<b>Cr.</b>
ENGL 1010	English Composition I (Gen. Ed.)	3	
DIET 1310	Principles of Nutrition	3	
NURS 1114	Foundations of Nursing	4	
NURS 1126	Foundations of Nursing Clinical	3	
NURS 1141	Dosages and Solutions	1	
<b>Total</b>		<b>18</b>	

**Second Semester**

BIOL 2020	Principles of Anatomy and Physiology II (Gen. Ed.)	4	<b>Cr.</b>
PSYC 1010	General Psychology I (Gen. Ed.)	3	
NURS 1213	Adult Health Nursing I <sup>1</sup>	3	
NURS 1226	Adult Health Nursing I Clinical <sup>1</sup>	2	
NURS 1242	Pharmacology	2	
NURS 1613	Nursing of the Childbearing Family <sup>1</sup>	3	
NURS 1626	Nursing of the Childbearing Family Clinical <sup>1</sup>	2	
<b>Total</b>		<b>19</b>	

Note: Successful completion of Level I Progression exam is required before progressing to the third semester Nursing courses (See Progression Requirements)

**Third Semester**

BIOL 1230	Microbiology	4	<b>Cr.</b>
NURS 2113	Nursing of Children <sup>1</sup>	3	
NURS 2126	Nursing of Children Clinical <sup>1</sup>	2	
NURS 2313	Mental Health Nursing <sup>1</sup>	3	
NURS 2326	Mental Health Nursing Clinical <sup>1</sup>	2	
<b>Total</b>		<b>14</b>	

**Fourth Semester**

****	Humanities/Fine Arts (Gen. Ed.) <sup>2</sup>	3	<b>Cr.</b>
NURS 2414	Adult Health Nursing II	4	
NURS 2426	Adult Health Nursing II Clinical	3	
NURS 2412	Nursing Management	2	
<b>Total</b>		<b>12</b>	

**Total Program Credits****63**

This program of study is designed as a terminal degree for a specific career field.

A Nursing Comprehensive Exit exam is required prior to graduation. An approved NCLEX-RN review course is required prior to application for licensure.

<sup>1</sup>These courses are half-semester courses.

<sup>2</sup> Review [General Education pages](#) and/or consult advisor for correct selection.

**NURSING****Associate of Applied Science Degree  
LPN Mobility Track****Mary Vines ▪ (901) 333-5425**

Pre-requisite courses (12 hours taken within 5 years prior to admission to the nursing program and prior to the qualifying application deadline)

**Prerequisite Courses**

BIOL 2010	Principles of Anatomy and Physiology I (Gen. Ed.)	4	<b>Cr.</b>
BIOL 2020	Principles of Anatomy and Physiology II (Gen. Ed.)	4	
BIOL 1230	Microbiology	4	
<b>Total</b>		<b>12</b>	

**Summer Semester**

NURS 1141	Dosages and Solutions	1	<b>Cr.</b>
NURS 1914	Professional Nursing Transitions	4	
NURS 1926	Professional Nursing Transitions Clinical	1	
NURS 1242	Pharmacology	2	
NURS 1613	Nursing of Childbearing Family	3	
NURS 1626	Nursing of the Childbearing Family Clinical <sup>2</sup>	2	
<b>Total</b>		<b>13</b>	

Note: Successful completion of Level I Progression exam is required before progressing to the third semester Nursing courses (See Progression Requirements)

**Fall Semester**

ENGL 1010	English Composition I (Gen. Ed.)	3	<b>Cr.</b>
DIET 1310	Principles of Nutrition	3	
PSYC 1010	General Psychology I (Gen. Ed.)	3	
NURS 2313	Mental Health Nursing <sup>1</sup>	3	
NURS 2326	Mental Health Nursing Clinical <sup>1</sup>	2	
NURS 2113	Nursing of Children <sup>1</sup>	3	
NURS 2126	Nursing of Children Clinical <sup>1</sup>	2	
<b>Total</b>		<b>19</b>	

**Spring Semester**

****	Humanities/Fine Arts (Gen. Ed.) <sup>2</sup>	3	<b>Cr.</b>
NURS 2414	Adult Health Nursing II	4	
NURS 2426	Adult Health Nursing II Clinical	3	
NURS 2412	Nursing Management	2	
<b>Total</b>		<b>12</b>	

**Note:** LPN Mobility Track students are given 6 hours credit for the Foundation of Nursing Theory and Clinical courses (NURS 1114 and NURS 1126) on the basis of their prior LPN educational program.

**Total Program Credits****62**

This program of study is designed as a terminal degree for a specific career field.

A Nursing Comprehensive Exit exam is required prior to graduation. An approved NCLEX-RN review course is required prior to application for licensure.

<sup>1</sup> These courses are half-semester courses.

<sup>2</sup> Review [General Education pages](#) and/or consult advisor for correct selection.