

HEALTH SCIENCES



Health Sciences

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Environmental Health (AS)

Degree Type: Associate of Science Degree—University Parallel Major

Contact: Dr. Dan Lauder dlauder@trcc.edu

Purpose: Transfer program with Missouri Southern State University (MSSU) toward completion of a Bachelor of Science degree in Environmental Health and Safety. Students will take the first 79 credit hours toward the Bachelor of Science at Three Rivers College, fulfilling all general education, math, science, and elective requirements. The last 45 hours will be taken at Missouri Southern State University through distance learning or at the MSSU campus. The purpose of the degree program is to provide students with the knowledge, skills, and certifications necessary to work as an environmental health and safety professional. Career opportunities include professional positions with public health departments, environmental protection agencies, environmental consultants, and occupational health and safety divisions of industry. This transfer program through Missouri Southern State University is fully accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC).

FIRST YEAR

Fall Semester				Hours
CHEM	121	General Chemistry I	5	
ENGL	111	College Writing	3	
MATH	163	College Algebra for Calculus	3	
PHYS	100	Survey of Physics	3	
TOTAL HOURS			14	

Spring Semester				Hours
ARTS	123	History and Appreciation of Art – <i>or</i> -	3	
MUSC	123	History and Appreciation of Music – <i>or</i> -		
THEA	120	History and Appreciation of Theatre		
CHEM	122	General Chemistry II	5	
ENGL	112	Advanced College Writing	3	
GEOG	101	Cultural Geography - <i>or</i> -	3	
PHIL	243	Religions of the World – <i>or</i> -		
SPAN	101	Elementary Spanish I		
HIST	111	American History to 1877 – <i>or</i> –	3	
HIST	112	American History since 1877		
TOTAL HOURS			17	

Recommended Electives: (Must be approved by advisor)

		Additional Science Courses (PHYS 150, BIOL 232, etc.)
GIS		Any GIS Course
		Business Courses
EOSH		Any EOSH Course
SPAN		Elementary Spanish II, Intermediate Spanish I, Intermediate Spanish II
CIVL	248	Water and Wastewater Systems

SECOND YEAR

Fall Semester				Hours
BIOL	101	General Biology – <i>or</i> - Anatomy and Physiology I	4-5	
BIOL	231			
GOVT	121	National and State Government	3	
CHEM	240	Basic Organic Chemistry	5	
		<i>Select One:</i>	3	
ENGL	210	Introduction to Literature		
ENGL	221	World Literature to 1600		
ENGL	222	World Literature since 1600		
ENGL	231	English Literature to 1798		
ENGL	232	English Literature since 1798		
ENGL	241	American Literature to 1870		
ENGL	242	American Literature since 1870		
PHIL	200	Introduction to Philosophy	3	
PHIL	233	Ethics		
TOTAL HOURS			15-16	

Spring Semester				Hours
		<i>Select two with different prefixes:</i>	6	
ECON	211	Principles of Macroeconomics		
ECON	212	Principles of Microeconomics		
SOCI	111	General Sociology		
PSYC	111	General Psychology	4	
BIOL	253	Microbiology		
HPER	110	Lifetime Wellness		
SCOM	110	Public Speaking	3	
TOTAL HOURS			15	

THIRD-FOURTH YEAR

Program Requirements (Can be completed at Three Rivers through a combination of on campus and distance learning)

Electives	Courses selected should support the area in which the student wishes to focus their degree	17-18
Environmental Health Semester Block	MSSU core courses; can be taken in any order based on semester block that is currently available online or on-site at MSSU	43
Internship	Can be taken during any semester at MSSU, but requires pre-planning with MSSU faculty prior to enrollment	2

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Health Sciences (AS)

Degree Type: Associate of Science Degree

Contact: Kim Shackelford kshackleford@trcc.edu

Purpose: The AS in Health Sciences is designed so that students can take general education requirements for Health Science programs, including Nursing, Medical Laboratory Technology, Occupational Therapy Assistant, and Physical Therapist Assistant.

FIRST YEAR

Fall Semester			Hours
ALHE	125	Medical Terminology	1
BIOL	231	Anatomy & Physiology I	4
ENGL	111	College Writing	3
GOVT	121	National and State Government	3
MATH	103/153	Intermediate Algebra - or -	4
MATH	161	Mathematical Reasoning and Modeling - or -	3
MATH	163	College Algebra for Calculus	3
TOTAL HOURS			14-15

Spring Semester			Hours
BIOL	232	Anatomy & Physiology II	4
IST	100	Computer Applications	3
MATH		Math Elective	3
PSYC	243	Human Development Across the Lifespan	3
SOCI	111	General Sociology	3
TOTAL HOURS			16

MATH Block Electives

MATH	163	College Algebra for Calculus	3
MATH	164	Trigonometry	3
MATH	223	Probability and Statistics	3

MATH 153-Intermediate Algebra – Required for Occupational Therapist Assistant Program

MATH 161-Mathematical Reasoning and Modeling – Required for Nursing and Paramedic Programs

MATH 163-College Algebra for Calculus – Required for Medical Laboratory Technologist Program

MATH 223-Probability and Statistics – Take for Nursing Program to Allow for RN-BSN Program

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

A list of general education courses can be found on the Core Curriculum Transfer (CORE42) General Education Program page.

SECOND YEAR

Fall Semester			Hours
CHEM	111	Introductory Chemistry	5
ENGL	112	Advanced College Writing	3
PSYC	111	General Psychology	3
		Elective	4
TOTAL HOURS			15

Spring Semester			Hours
SCOM	110	Public Speaking	3
		Fine Arts Gen Ed course	3
		Literature Gen Ed course	3
		Recommended Elective	3
		Elective	3
TOTAL HOURS			15

Recommended Electives

ENGL	282	New Testament Literature*	3
ECON	211	Principles of Macroeconomics***	3
HIST	111	American History to 1877*** - or -	3
HIST	112	American History since 1877***	3
HIST	121	World Civilization to the Renaissance*** - or -	3
HIST	122	World Civilization since the Renaissance	3
PHIL	243	Religions of the World**	3

*Hannibal-LaGrange University option

**Central Methodist University option

***Southeast Missouri State University option

Medical Laboratory Technician (AAS)

Degree Type: Associate of Applied Science Degree

Contact: Dionne Thompson dthompson@trcc.edu

Purpose: Career and Technical Education. In keeping with the mission of the Missouri Health Professions Consortium (MHPC), the Medical Laboratory Technician program was developed to meet the increasing demand for highly competent medical laboratory technicians in rural and underserved areas of Missouri. The purpose of this associate degree program is to prepare selected individuals to provide accurate and reliable diagnostic testing results to the citizens of Missouri. We educate and prepare laboratory generalists, to have the knowledge, skills, and professional behaviors that are necessary to be eligible to apply for the national certification examination as well as meet employer expectations in the community service area.

Program Prerequisites:

- Admission into the Missouri Health Professions Consortium (MHPC) Medical Laboratory Technician (MLT) program.
- Successful completion of required general education pre-requisite courses with a grade of C or higher.
- Minimum cumulative grade point average of 2.5 or higher.
- Successful completion of each course during each semester required in the MHPC MLT program with a grade of C or higher.
- Students must achieve a minimum grade of "C" or higher grade in general education coursework.
- Students must have a TEAS score in the 50th percentile or higher.

PREREQUISITES

			Hours	
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GOVT	121	National and State Government	3	
MATH	163	College Algebra or Calculus	3	
BIOL	232	Anatomy and Physiology II	4	
CHEM	121	General Chemistry	5	
		Elective Block	3-4	

Elective Block

			Hours	
GNST	090	New Student Orientation	1	
PHIL	233	Ethics	3	
SOCI	111	General Sociology	3	

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

PROFESSIONAL YEAR

Fall Semester			Hours	
MLT	150	Introduction to Laboratory Science Methods	2	
MLT	210	Immunology	3	
MLT	250	Hematology and Coagulation	5	
MLT	260	Phlebotomy	2	
MLT	291	Hematology and Coagulation Practicum	2	
TOTAL HOURS			14	

Spring Semester			Hours	
MLT	220	Clinical Chemistry and Urinalysis	5	
MLT	270	Immunohematology	5	
MLT	280	Clinical Microbiology	4	
MLT	290	Parasitology, Mycology and Virology	1	
TOTAL HOURS			15	

Summer Term			Hours	
MLT	292	Clinical Chemistry Practicum	2	
MLT	293	Clinical Microbiology Practicum	2	
MLT	294	Immunohematology Practicum	2	
TOTAL HOURS			6	

The MHPC Medical Laboratory Technician (MLT) Program is coordinated through Moberly Area Community College and is offered through the following community colleges: Mineral Area College (MAC), Moberly Area Community College (MACC), North Central Missouri College (NCMC), State Fair Community College (SFCC), and Three Rivers College (TRC). The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd., Suite 720, Rosmont, IL 60018, 773-714-8880.

The MHPC MLT Program curriculum includes virtual classroom instruction (3-5 days/week, fall & spring semesters), on-campus laboratory instruction in Mexico or Poplar Bluff as designated (maximum three separate times, fall & spring semesters each), and an off-campus clinical rotation component (3-5 days/week, fall, spring and summer). Tuition and fees are set at \$288 per credit hour for the 2018-2019 school year. Please see our application packet for more information regarding additional fees associated with the program.

After all classes and clinical requirements are completed within the MHPC MLT Program, students graduate from their home campus and are eligible to take the national certification examination. The MHPC MLT Program is full-time only, with courses offered in a specific sequence.

Each summer, an average of thirty students are selected to begin the program in the fall. The professional year of the program (MLT coursework) is designed to be completed within 12 months beginning in August and ending the following August.

Enrollment in the MHPC MLT program is selective and an informational packet with application materials is available online (www.macc.edu/application-packet-mhpc-mlt). Students must complete all general education coursework PRIOR to entry into the professional level program. However, students can complete coursework in the semester prior to the start of the program; under these circumstances, program admission would be contingent upon successful completion of general education prerequisite coursework and maintenance of the required 2.5 GPA. Transcript evidence of satisfactory completion of general education/prerequisite coursework must be received with the application packet. Only students meeting all admission criteria and submitting completed application packets within the established time frame will be considered. The Application Committee meetings are conducted the summer before the start of the professional year. Admission decisions of the Application Committee are final. Applicants will receive a letter regarding admissions status following committee review.

Application Deadline: May 15

For more program information, please visit: www.macc.edu/mhpc-mlt.



Nursing (AAS)

Degree Type: Associate of Applied Science Degree

Contact: Kim Shackelford kshackelford@trcc.edu

LPN-RN Bridge Contact: Michelle Hall nhall@trcc.edu

Purpose: Career and Technical Education. The purpose of this nursing program is to prepare students to achieve an Associate of Applied Science degree, to apply for licensure by examination* as a registered nurse, and to use the nursing process in providing safe and effective nursing care for clients in structured primary or secondary care settings.

Both general education and nursing education courses are included in the program of study; clinical laboratory experiences are planned in local health care facilities under the direct guidance of the Nursing faculty. Students enrolled in the nursing program have the same privileges and responsibilities accorded all students of the College.

The Poplar Bluff Associate Degree Nursing Program and the Sikeston LPN-RN Bridge program are fully approved by the Missouri State Board of Nursing 573-751- 0681: www.pr.mo.gov. The program is accredited by the

Accreditation Commission for Education in Nursing (ACEN)

3343 Peachtree Road, Suite 850

Atlanta, GA 30326

404-975-5000

www.acenursing.org.

NOTE: Nursing students are required to have two physical examinations, one as part of the admission process and the second prior to the beginning of second-year classes. Students must meet certain health criteria for clinical practice in agencies, including, but not limited to, random or for-cause drug screening. Students are required to be certified at the BLS for Healthcare Providers (BLS-HCP) level. Proof of successful completion of the BLS-HCP course must be in the form of an official CPR card document issued by an authorized AHA or Red Cross Training Center. Cards issued by private companies that state the course was “taught in accordance with AHA (or Red Cross) guidelines” are not sufficient evidence of course completion and will not satisfy this requirement.

*The requirements for licensure, as set forth in the Missouri Statutes 335 RSMo 2015 the Nurse Practice Act, include being of good moral character, completion of the high school course of study or the equivalent, successful completion of the basic professional nursing curriculum in an approved school of nursing (however, successful completion does not guarantee eligibility to take the licensure examination). *Non-English speaking candidates are required to submit evidence of proficiency in the English language. There are also questions related to adjudication of any crime other than traffic violations, including unlawful use or possession of controlled substances or alcoholic beverages to an extent that one is impaired, fraud, dishonesty, acts of violence, bribery, deception, misconduct, insanity, incompetence, and placement on employee disqualification lists by a state or federal agency. Affirmative answers may result in the applicant being denied access to the licensure examination by the State Board of Nursing. For further information, consult the department chair.

**The requirements for nursing licensure are set forth in Missouri Statutes 335.066 and 335.046.1, a paper copy of which is available from the Three Rivers Nursing Program Department. An electronic copy can be found at www.trcc.edu.*

Admission Criteria

All candidates must meet the regular admission requirements as stated in the current catalog:

To become an eligible nursing applicant, each individual must have the following on file in the admissions office no later than **March 1 for the Poplar Bluff day program and Evening LPN-RN Bridge program, May 1 for the Poplar Bluff evening program, December 1 for the Sikeston and Poplar Bluff Day LPN-RN Bridge program**

- Completed college application;
- ACCUPLACER, ACT, or SAT scores (current within 5 years) for placement in math and English courses;
- Final high school transcript or high school equivalency certificate;
- Transcripts of all previous university/college/technical schools; and
- Completed current nursing application.

Both the College application and the nursing application can be found at www.trcc.edu/admissions/application.php. Hand delivered applications must be received in the Poplar Bluff or Sikeston Nursing Office by 4 p.m. on the appropriate deadline date or the next Three Rivers College business day if the deadline falls on either a weekend or a holiday. Applications received by mail or other traceable means must be postmarked by midnight on the appropriate deadline dates.

The Nursing Admissions Committee uses the following minimum requirements for the initial screening of applicants:

1. Cumulative Grade Point Average (GPA) of 2.00, or if current high school student, with no college GPA, rank in the upper one third of their high school graduating class.
2. Satisfactory performance on the NLN Pre-Admission Examination-RN (minimum 110 composite score). NLN scores must be current within two years of application deadline. Students can register at www.ondemand.questionmark.com/400030/ext/nlntesting/user. Examination must be completed by application deadline.

In the event that two or more applicants receive the same composite percentile score, the applicants will be ranked according to the NLN verbal ability category score, and then, if necessary, by the NLN science category score, and finally math category score. Selection as an alternate does not guarantee admission into the program or placement into the following year's selection process. Selected alternates remain eligible by completion of pre-nursing courses with a maintained cumulative GPA of 2.00. Alternates will replace students in the ranked order as space becomes available and will be notified by letter. If not granted admission, the alternate must reapply.

Transfer Requests must be received in writing by May 1 for fall courses and by December 1 for spring courses for credential evaluation. Contact the Nursing Department for transfer packets and instructions. Readmission requests must be received in writing by the finals week of the current semester from which the student has failed or withdrawn.

Applicants will be notified of their admission status by letter. Individuals selected are required to have a physical examination, preadmission drug screen, and criminal background check prior to starting their first nursing course. Final admission is contingent upon submission of a satisfactory confidential medical history and examination, negative drug screen, a negative criminal background check, and completion of pre-nursing courses with a cumulative GPA of 2.00 or higher (see curriculum guide).

LPN-RN Bridge applicants must meet the same admission criteria as other nursing applicants. To qualify, the selected student must additionally:

- Have an active, unencumbered license as a Licensed Practical Nurse with privileges to practice in the state of Missouri. (Applicants that have an authorization to test for the NCLEX-PN may apply pending successful completion of the licensure exam).
- Demonstrate satisfactory performance on the screening assessment. Scores on screening assessment must be current within two years of deadline.

In addition to the College tuition and fees, nursing students will be charged \$15 per academic year for malpractice insurance, \$175 per credit hour clinical fee for courses with clinical components, and \$50 per credit hour fee for nursing courses to cover the cost of lab supplies, computerized testing, photos, school pins, and the NCLEX live review, and \$25 per credit hour simulation lab fee for all nursing courses with a clinical component to cover the cost of maintenance, consumables, and software updates.

Progression and Retention Criteria

1. Students must maintain a cumulative GPA of 2.0 throughout their enrollment in the nursing program. Students must also comply with college policies regarding probation and suspension, as outlined in the Three Rivers College Catalog.
2. In order to progress in the nursing sequence:
 - a. Students must achieve satisfactory clinical performance, satisfactory skills lab performance, and a minimum grade of "C" for each nursing course in order to progress to the next nursing course.
 - b. Students failing to achieve satisfactory clinical performance or skills laboratory performance will receive a course grade of "F" regardless of the grade in the theory portion of the course.
 - c. A student can fail or withdraw from a nursing course one time. A student can only be readmitted to the nursing program one time. A student who fails or withdraws from more than one nursing course (whether in the same semester or different semesters) is ineligible for readmission.
 - d. Students must achieve a minimum grade of "B" in nursing related courses, including Anatomy and Physiology I and II and Mathematical Reasoning and Modeling.
 - e. Supporting general education courses must be taken in the sequence listed in the student's program option (refer to curriculum outlines) if not completed before acceptance into the nursing program.

Nursing Day Program Curriculum

Summer Term

Hours

BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GOVT	121	National and State Government	3	
MATH	161	Mathematical Reasoning and Modeling	3	
TOTAL HOURS			13	

FIRST YEAR

Fall Semester

Hours

BIOL	232	Anatomy and Physiology II	4	
NURS	109	Critical Thinking in Nursing	2	
NURS	116	Foundations of Nursing	7	
TOTAL HOURS			13	

Spring Semester

Hours

NURS	128	Mental Health Nursing	3	
NURS	129	Medical Surgical Nursing I	6	
NURS	135	Pharmacology for Nurses	3	
TOTAL HOURS			12	

SECOND YEAR

Fall Semester

Hours

NURS	218	Maternal and Child Health Nursing	3	
NURS	219	Medical Surgical Nursing II	7	
PSYC	243	Human Development Across the Lifespan	3	
TOTAL HOURS			13	

Spring Semester

Hours

NURS	238	Medical Surgical Nursing III	5	
NURS	239	Preceptor in Nursing	3	
NURS	245	Transition Into Professional Nursing	4	
TOTAL HOURS			12	

General Education Credit: 20

Nursing Education Credit: 43

TOTAL CREDIT HOURS: 63

Nursing Evening Program Curriculum

FIRST YEAR

Fall Semester

Hours

BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GOVT	121	National and State Government	3	
MATH	161	Mathematical Reasoning and Modeling	3	
TOTAL HOURS			13	

Spring Semester

Hours

BIOL	232	Anatomy and Physiology II	4	
NURS	109	Critical Thinking in Nursing	2	
NURS	116	Foundations of Nursing	7	
TOTAL HOURS			13	

Fall Semester

Hours

NURS	128	Mental Health Nursing	3	
NURS	129	Medical Surgical Nursing I	6	
NURS	135	Pharmacology for Nurses	3	
TOTAL HOURS			12	

SECOND YEAR

Spring Semester

Hours

NURS	218	Maternal and Child Health Nursing	3	
NURS	219	Medical Surgical Nursing II	7	
PSYC	243	Human Development Across the Lifespan	3	
TOTAL HOURS			13	

Fall Semester

Hours

NURS	238	Medical Surgical Nursing III	5	
NURS	239	Preceptor in Nursing	3	
NURS	245	Transition Into Professional Nursing	4	
TOTAL HOURS			12	

General Education Credit: 20

Nursing Education Credit: 43

TOTAL CREDIT HOURS: 63

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

LPN-RN Bridge - Day & Sikeston

Spring Semester				Hours
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GOVT	121	National and State Government	3	
MATH	161	Mathematical Reasoning and Modeling	3	
TOTAL HOURS			13	

Summer Term				Hours
BIOL	232	Anatomy and Physiology II	4	
NURS	108	LPN-RN Bridge	4	
TOTAL HOURS			8	

Fall Semester				Hours
NURS	218	Maternal and Child Health Nursing	3	
NURS	219	Medical Surgical Nursing II	7	
PSYC	243	Human Development Across the Lifespan	3	
TOTAL HOURS			13	

Spring Semester				Hours
NURS	238	Medical Surgical Nursing III	5	
NURS	239	Preceptor in Nursing	3	
NURS	245	Transition into Professional Nursing	4	
TOTAL HOURS			12	

Articulated Credit				
NURS	116	Foundations of Nursing	6	
NURS	135	Pharmacology for Nurses	3	
NURS	128	Mental Health Nursing	3	
NURS	129	Medical Surgical Nursing I	5	

General Education Hours: 20
 Nursing Hours: 26
 Articulated Credit: 17
TOTAL CREDIT HOURS: 63

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

LPN-RN Bridge - Evening

Summer Term				Hours
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GOVT	121	National and State Government	3	
MATH	161	Mathematical Reasoning and Modeling	3	
TOTAL HOURS			13	

Fall Semester				Hours
BIOL	232	Anatomy and Physiology II	4	
NURS	108	LPN-RN Bridge	4	
TOTAL HOURS			8	

Spring Semester				Hours
NURS	218	Maternal and Child Health Nursing	3	
NURS	219	Medical Surgical Nursing II	7	
PSYC	243	Human Development Across the Lifespan	3	
TOTAL HOURS			13	

Fall Semester				Hours
NURS	238	Medical Surgical Nursing III	5	
NURS	239	Preceptor in Nursing	3	
NURS	245	Transition into Professional Nursing	4	
TOTAL HOURS			12	

Articulated Credit				
NURS	116	Foundations of Nursing	6	
NURS	135	Pharmacology for Nurses	3	
NURS	128	Mental Health Nursing	3	
NURS	129	Medical Surgical Nursing I	5	

General Education Hours: 20
 Nursing Hours: 26
 Articulated Credit: 17
TOTAL CREDIT HOURS: 63

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Program Outcomes

- Develop personal responsibility for professionalism, education, and scope of practice.
- Choose effective communication strategies while collaborating with patients, significant support person, and interdisciplinary members of the healthcare team.
- Evaluate critical thinking and clinical decision making to provide safe, patient-centered care.
- Apply evidence-based practice while recognizing the role of quality improvement in the healthcare system.

Occupational Therapy Assistant (AAS)

Degree Type: Associate of Applied Science Degree

Contact: Dr. Staci Foster stacifoster@trcc.edu

Purpose: The Occupational Therapy Assistant program is a one-plus-one degree program which prepares students to practice as Certified Occupational Therapy Assistants (COTA) after meeting certification and state licensure standards. Three Rivers College is one of five colleges in the Missouri Health Professions Consortium (MHPC) currently selected to offer the program coordinated through the University of Missouri. Three Rivers offers and enrolls students in the general education coursework; sophomore level (professional level) coursework typically originates from a classroom in Columbia, MO, and is conveyed to Three Rivers' students via interactive television and internet based technology. Through the combination of general education, professional level coursework, classroom and laboratory practice, and clinical fieldwork experiences, students will learn the profession of occupational therapy assistant. Travel to other campuses for laboratory practice will be required. The professional year does not run on a traditional academic cycle. Classes will begin the Monday after New Year's Day and will run through the end of the fall semester. Completion of professional coursework takes one full calendar year.

FIRST YEAR

Spring Semester

			Hours	
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
MATH	103/153	Intermediate Algebra	4	
PSYC	111	General Psychology	3	
ALHE	125	Medical Terminology	1	
TOTAL HOURS			15	

Fall Semester

			Hours	
BIOL	232	Anatomy and Physiology II	4	
SCOM	110	Public Speaking –or- Human Communication	3	
SCOM	101			
PSYC	243	Human Development Across the Lifespan	3	
GOVT	121	National and State Government	3	
SOCI	111	General Sociology	3	
TOTAL HOURS			16	

Accreditation

The MHPC OTA Program has been granted accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE), the accrediting body of the American Occupational Therapy Association (AOTA). Following successful completion of coursework and passing of the certification exam, individuals will be a Certified Occupational Therapy Assistant (COTA). Even with successful coursework completion students may be prohibited from sitting for the NBCOT Certification Exam if they have a felony conviction. In Missouri, state licensure is required in order to practice and acquisition of a license is contingent upon passing the NBCOT Certification Exam. Prospective or currently enrolled students that have a disciplinary record with law enforcement, or their current or previous academic setting(s) are encouraged to utilize the Early Determination review process available at www.nbcot.org. For more information regarding accreditation, please contact: ACOTE, c/o Accreditation Department, American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449, phone: 301-652-2682, TDD: 800-377-8555. www.acoteonline.org accred@aota.org

Admission Process

Enrollment in the MHPC Occupational Therapy Assistant program is selective and an informational packet with application materials is available online (www.trcc.edu/admissions/application.php) or at the Three Rivers campus. Students must complete all general education coursework PRIOR to entry into the professional level program. However, students can complete coursework in the semester prior to the start of the program; under these circumstances, program admission would be contingent upon successful completion of general education prerequisite coursework and maintenance of the required 2.5 GPA. Transcript evidence of satisfactory completion of general education/prerequisite coursework must be received with the application packet. Three Rivers may not be able to offer admission to all qualified applicants. Only students meeting all admission criteria and submitting completed application packets within the established time frame will be considered. The Selection Committee meetings are conducted the summer before the start of the professional year. Admission decisions of the Selection Committee are final. Applicants will receive a letter regarding admissions status following committee review. **Application Deadline: May 31.**

Transfer Options

This degree will articulate to a Bachelor of Health Science (BHS) degree at the University of Missouri-Columbia (UMC). While a bachelor's degree is not required to practice as an OTA, 60 credit hours will transfer to UMC if graduates wish to pursue their additional degree.

SECOND YEAR

Spring Semester

			Hours	
OTA	200	Foundations of Occupational Therapy	4	
OTA	205	Medical Conditions in Occupational Therapy	3	
OTA	210	Analysis of Occupations	2	
OTA	215	Mental Health and Psychosocial Practice	4	
OTA	220	Pediatric and Adolescent and Practice	4	
TOTAL HOURS			17	

Summer Semester

			Hours	
OTA	250	Functional Kinesiology	2	
OTA	255	Physical Disabilities Practice	4	
OTA	260	Community Practice	3	
OTA	265	Ethics, Management, and Leadership	3	
OTA	270	Professional Skills	3	
TOTAL HOURS			15	

Fall Semester

			Hours	
OTA	290	Level II A Fieldwork	8	
OTA	295	Level II B Fieldwork	8	
TOTAL HOURS			16	

Total Hours: 79 credit hours

Practical Nurse (One-Year Certificate)

Certificate Type: One Year

Contact: Poplar Bluff Option – Larissa Brown larissabrown@trcc.edu

Sikeston Option – Amanda Taegtmeier ataegtmeier@trcc.edu

Purpose: Career and Technical Education. The purpose of the Practical Nursing program at Three Rivers College is to prepare students to achieve a one-year certificate in Practical Nursing and be successful in obtaining licensure as a Licensed Practical Nurse. The Practical Nursing program instills knowledge, skills, and professional values to prepare individuals to enter the workforce and provide safe, effective nursing care for clients in a variety of healthcare settings.

Nursing education courses are included in the program of study; clinical laboratory experiences are planned in local healthcare facilities under the direct guidance of the nursing faculty. Students enrolled in the nursing program have the same privileges and responsibilities afforded all students of the College.

Three Rivers College's Practical Nursing program is fully approved by the Missouri State Board of Nursing: 573-751-0681,

www.pr.mo.gov.

Note: Nursing students are required to have a physical examination. Students must meet certain health criteria for clinical practice in agencies, including, but not limited to, random or for-cause drug screening. CPR certification valid through the academic year is required of all students. Nursing students are also required to submit a criminal background check and negative pre-admission drug screen.

Admission Process

1. Must be 18 years of age (at the start of the program)
2. Minimum GPA 2.0 (high school or college, most current will be used)
3. High school diploma, or equivalency certificate
4. Minimum TEAS Composite Percentage Score of 58%
5. Complete a short questionnaire

Class will be selected using the following formula:

- TEAS Composite Percentage Score = 40%
- TEAS Reading Comprehension Score = 50%
- Short Questionnaire = 10%

In addition to the College tuition and fees, nursing students will be charged \$15 per academic year for malpractice insurance, \$85 per course fee, and \$85 per credit hour clinical fee for nursing courses to cover the cost of lab supplies, computerized testing, photos, school pin, and the NCLEX live review.

NOTE: Nursing students are required to have two physical examinations, one as part of the admission process and the second prior to the beginning of second-year classes. Students must meet certain health criteria for clinical practice in agencies, including, but not limited to, random or for-cause drug screening. Students are required to be certified at the BLS for Healthcare Providers (BLS-HCP) level. Proof of successful completion of the BLS-HCP course must be in the form of an official CPR card document issued by an authorized AHA or Red Cross Training Center. Cards issued by private companies that state the course was "taught in accordance with AHA (or Red Cross) guidelines" are not sufficient evidence of course completion and will not satisfy this requirement.

*The requirements for licensure, as set forth in the Missouri Statutes 335 RSMo 2015 the Nurse Practice Act, include being of good moral character, completion of the high school course of study or the equivalent, successful completion of the basic professional nursing curriculum in an approved school of nursing (however, successful completion does not guarantee eligibility to take the licensure examination). *Non-English speaking candidates are required to submit evidence of proficiency in the English language. There are also questions related to adjudication of any crime other than traffic violations, including unlawful use or possession of controlled substances or alcoholic beverages to an extent that one is impaired, fraud, dishonesty, acts of violence, bribery, deception, misconduct, insanity, incompetence, and placement on employee disqualification lists by a state or federal agency. Affirmative answers may result in the applicant being denied access to the licensure examination by the State Board of Nursing. For further information, consult the department chair.

*The requirements for nursing licensure are set forth in Missouri Statutes 335.066 and 335.046.1, a paper copy of which is available from the Three Rivers Nursing Program Department. An electronic copy can be found at www.trcc.edu.

First Block			Hours	
PNRS	105	Personal and Vocational Concepts	3	
PNRS	107	Body Structure and Function*	5.5	
PNRS	115	Fundamentals of Nursing	12.25	
PNRS	117	Intravenous Therapy	.75	
PNRS	127	Mental Health	3	
TOTAL HOURS			24.5	

Third Block			Hours	
PNRS	116	Pediatric Nursing	3	
PNRS	119	Medical Surgical Nursing II	7	
PNRS	125	Maternal/Newborn Nursing	3	
PNRS	128	Leadership and Management	3.5	
TOTAL HOURS			16.5	

Second Block			Hours	
PSYC	243	Human Development Across the Lifespan**	3	
PNRS	118	Medical Surgical Nursing I	7	
PNRS	126	Pharmacology	4	
TOTAL HOURS			14	

*Option for PNRS 107 (Must Complete Both)			Hours	
BIOL	231	Anatomy and Physiology I**	4	
BIOL	232	Anatomy and Physiology II**	4	
TOTAL HOURS			8	

**These courses require an "A" or "B" for progression in the Practical Nursing Program.

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Program Outcomes

- Utilize the nursing process to provide safe client care within a healthcare team.
- Interpret clients' diverse backgrounds across the lifespan to provide individualized nursing care.
- Use effective communication as a member of the healthcare team.
- Demonstrate safe, effective nursing care within the scope of practice for the practical nurse while maintaining legal/ethical standards.
- Discover strategies to promote personal success.
- Apply basic knowledge of mathematics; anatomy and physiology; and human growth and development to the practical nurse role.

Pre-Health Medicine (AS)

Degree Type: Associate of Science Degree—University Parallel Major

Contact: Dr. Kimberly Wiseman kwiseman@trcc.edu

Purpose: Transfer. The Associate of Science degree, Pre-Health Medicine concentration, includes the courses needed to prepare the student for the University of Missouri-Columbia's BS in Biology, Veterinary, and Medical programs.

FIRST YEAR

Fall Semester			Hours
BIOL	231	Anatomy and Physiology I	4
ENGL	111	College Writing	3
GOVT	121	National and State Government	3
MATH	163	College Algebra for Calculus	3
MATH	164	Trigonometry	3
TOTAL HOURS			16

Spring Semester			Hours
BIOL	232	Anatomy and Physiology II - or - Microbiology	4
BIOL	253		
CHEM	121	General Chemistry I	5
ENGL	112	Advanced College Writing	3
MATH	171	Analytic Geometry and Calculus I	5
TOTAL HOURS			17

SECOND YEAR

Fall Semester			Hours
CHEM	240	Basic Organic Chemistry	5
PHYS	211	General Physics I	5
PSYC	111	General Psychology	3
SOCI	111	General Sociology	3
TOTAL HOURS			16

Spring Semester			Hours
BIOL	190	Biology for Majors	5
CHEM	122	General Chemistry II	5
PHYS	212	General Physics II	5
TOTAL HOURS			15

For those pursuing the BS in Biology at the University of Missouri-Columbia, 12-13 credit hours of the same foreign language or high school equivalent is recommended.

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.



Pre-Optometry (AS)

Degree Type: Associate of Science Degree—University Parallel Major

Contact: Michael DeAngelo mdeangelo@trcc.edu

Purpose: Transfer. The AS in Pre-Optometry is designed so that students in our service area can take the basic pre-optometry requirements through Three Rivers College. Students would then transfer to the University of Missouri St. Louis (UMSL) to complete their undergraduate requirements prior to taking the Optometry Admission Test (OAT) and admission into the Doctor of Optometry degree program at UMSL College of Optometry. The OAT consists of four tests: Survey of the Life Sciences (Biology, General Chemistry, and Organic Chemistry), Reading Comprehension, Physics, and Quantitative Reasoning.

FIRST YEAR

Fall Semester			Hours	
ENGL	111	College Writing	3	
CHEM	121	General Chemistry I	5	
MATH	223	Probability and Statistics	3	
PSYC	111	General Psychology	3	
TOTAL HOURS			14	

Spring Semester			Hours	
ENGL	112	Advanced College Writing	3	
BIOL	190	Biology for Majors	5	
CHEM	122	General Chemistry II	5	
MATH	171	Analytic Geometry and Calculus I	5	
TOTAL HOURS			18	

SECOND YEAR

Fall Semester			Hours	
BIOL	231	Anatomy and Physiology I	4	
CHEM	240	Basic Organic Chemistry	5	
PHYS	211	General Physics I	5	
PSYC	243	Human Development Across the Lifespan	3	
TOTAL HOURS			17	

Spring Semester			Hours	
BIOL	253	Microbiology	4	
GOVT	121	National and State Government	3	
PHYS	212	General Physics II	5	
BMGT	239	Entrepreneurship -or-	3	
ACCT	211	Principles of Accounting -or-		
BUAD	120	Introduction to Business		
TOTAL HOURS			15	

NOTE: The following course is required by the University of Missouri St. Louis (UMSL) School of Optometry – Organic Chemistry I (with lab). It is strongly recommended that students take Biochemistry and Cell Biology prior to taking the OAT.

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Pre-Pharmacy (AS)

Degree Type: Associate of Science

Contact: Dr. Amy Kopf akopf@trcc.edu

Purpose: The AS in Pre-Pharmacy is designed so that students in our service area can take the basic pre-pharmacy requirements through Three Rivers College. Students would then transfer to UMKC to complete their undergraduate requirements prior to taking the Pharmacy Admissions Test (PCAT) and admission into the Doctor of Pharmacy degree program at UMKC's School of Pharmacy. The PCAT tests the following areas; Writing, Verbal Ability, Reading Comprehension, Biology (General Biology, Microbiology, Anatomy & Physiology), Chemistry (General, Organic), and Mathematics (Algebra, Calculus, Statistics).

FIRST YEAR

Fall Semester			Hours	
ENGL	111	College Writing	3	
SCOM	110	Public Speaking	3	
CHEM	121	General Chemistry I	5	
GOVT	121	National and State Government	3	
TOTAL HOURS			14	

Spring Semester			Hours	
BIOL	190	Biology for Majors	5	
ENGL	112	Advanced College Writing	3	
CHEM	122	General Chemistry II	5	
MATH	171	Analytic Geometry and Calculus I	5	
TOTAL HOURS			18	

SECOND YEAR

Fall Semester			Hours	
BIOL	231	Anatomy and Physiology I ⁽¹⁾	4	
BIOL	221	General Zoology	5	
PHYS	211	General Physics I	5	
TOTAL HOURS			14	

Spring Semester			Hours	
BIOL	232	Anatomy and Physiology II ⁽¹⁾	4	
BIOL	211	General Botany	5	
BIOL	253	Microbiology	4	
ALHE	125	Medical Terminology	1	
TOTAL HOURS			14	

Recommended Electives

CHEM	240	Basic Organic Chemistry	5	
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⁽¹⁾Two semesters of A&P (BIOL 231 and BIOL 232) are equivalent to Human Anatomy at UMKC.

Note: The following courses required for University of Missouri Kansas City (UMKC) Pre-Pharmacy are not available at Three Rivers – Organic Chemistry I (with lab), Organic Chemistry II (with lab) and Cell Biology. The minimum UMKC GPA requirements are a cumulative 2.75 and science/math 2.5. To be a competitive applicant, students should strive for a 3.6 cumulative and 3.5 or higher science/math; simply meeting the minimum requirement does not guarantee admission.

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Pre-Dental Hygiene (One-Year Certificate)

Certificate Type: One-Year

Contact: Dr. Kathy Prejean kprejean@trcc.edu

Purpose: Career and Technical Education. This certificate provides the courses needed to prepare the student for Missouri Southern State University's Dental Hygiene Program.

Fall Semester				Hours
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
IST	100	Computer Applications	3	
MATH	163	College Algebra for Calculus*	3	
SCOM	110	Public Speaking	3	
TOTAL HOURS			16	

Spring Semester				Hours
BIOL	232	Anatomy and Physiology II	4	
BIOL	253	Microbiology	4	
CHEM	121	General Chemistry I	5	
HPER	110	Lifetime Wellness	2	
TOTAL HOURS			15	

MSSU requires that applicants to their Dental Hygiene program earn a grade of "C" or higher in each of these courses, with an overall GPA of 2.75.

*MATH 103/153 Intermediate Algebra and CHEM 111 Introduction to Chemistry may be substituted in for the MATH 163 requirement.

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Pre-Medical Laboratory Technology (One-Year Certificate)

Certificate Type: One-Year

Contact: Dionne Thompson dthompson@trcc.edu

Purpose: Career and Technical Education. This certificate provides general education courses for students seeking admission to a Medical Laboratory Technology (MLT) program or health-related degree program. This certificate is not required prior to admission into the Three Rivers College's MLT AAS program. (Refer to the Associate of Applied Science Medical Laboratory Technology [MLT] degree plan for admission criteria).

Fall Semester				Hours
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
GNST	090	New Student Orientation	1	
MATH	163	College Algebra for Calculus	3	
TOTAL HOURS			11	

Spring Semester				Hours
CHEM	121	General Chemistry I	5	
GOVT	121	National and State Government	3	
PHIL	233	Ethics	3	
SOCI	111	General Sociology	3	
TOTAL HOURS			14	

Summer Semester				Hours
BIOL	232	Anatomy and Physiology II	4	
TOTAL HOURS			4	

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Pre-Medicine (One-Year Certificate)

Certificate Type: One-Year

Contact: Dr. Kim Wiseman kwiseman@trcc.edu

Purpose: The certificate in Pre-Medicine prepares the student to take the AS in Pre-Pharmacy, the AS in Pre-Optometry, or the AS in Pre-Health Medicine at Three Rivers College.

Fall Semester			Hours
ENGL	111	College Writing	3
BIOL	231	Anatomy and Physiology I	4
MATH	163	College Algebra for Calculus	3
PSYC SCOM	111 110	General Psychology ⁽¹⁾ - or - Public Speaking ⁽¹⁾	3
GOVT	121	National and State Government	3
TOTAL HOURS			16

Spring Semester			Hours
ENGL	112	Advanced College Writing	3
BIOL	190	Biology for Majors ⁽²⁾ - or -	5
BIOL	232	Anatomy and Physiology II - or -	4
BIOL	253	Microbiology	4
CHEM	121	General Chemistry I	5
MATH MATH	164 223	Trigonometry ⁽³⁾ - or - Probability and Statistics	3
TOTAL HOURS			15-16

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

⁽¹⁾Those planning on Pre-Pharmacy should take SCOM 110; those planning to take Pre-Health Medicine or Pre-Optometry should take PSCY 111.

⁽²⁾Those planning on Pre-Pharmacy or Pre-Health Medicine may take BIOL 190, BIOL 232, or BIOL 253; those planning to take Pre-Optometry should take BIOL 190 or BIOL 253.

⁽³⁾Those planning to take Pre-Health Science or Pre-Pharmacy should take MATH 164; those planning to take Pre-Optometry should take MATH 223.

Pre-Nursing (One-Year Certificate)

Certificate Type: One-Year

Contact: Kim Shackelford kshackelford@trcc.edu

Purpose: Career and Technical Education. This certificate provides general education courses for students seeking admission to a nursing program. Admission criteria for the TRC nursing program is listed on the degree page. Completion of this certificate is not required prior to admission in the nursing program nor does it guarantee admission into the nursing program.

Fall Semester			Hours
BIOL	231	Anatomy and Physiology I	4
ENGL	111	College Writing	3
GOVT	121	National and State Government	3
MATH	161	Mathematical Reasoning and Modeling	3
TOTAL HOURS			13

Spring Semester			Hours
ALHE	125	Medical Terminology	1
BIOL	232	Anatomy and Physiology II	4
IST	100	Computer Applications	3
PSYC	243	Human Development Across the Life Span	3
TOTAL HOURS			11

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

Pre-Occupational Therapy Assistant (One-Year Certificate)

Certificate Type: One-Year

Contact: Dr. Staci Foster stacifoster@trcc.edu

Purpose: Career and Technical Education. Program designed to fulfill the general education requirements of the one plus one articulation into the Occupational Therapy Assistant Associate of Applied Science program, a part of the Missouri Health Professions Consortium.

For detailed admission criteria to become an eligible applicant, visit www.trcc.edu/admissions/application.php.

Fall Semester			Hours	
BIOL	231	Anatomy and Physiology I	4	
ENGL	111	College Writing	3	
MATH	103/153	Intermediate Algebra	4	
PSYC	111	General Psychology	3	
ALHE	125	Medical Terminology	1	
TOTAL HOURS			15	

Spring Semester			Hours	
BIOL	232	Anatomy and Physiology II	4	
SCOM	110	Public Speaking -or-	3	
SCOM	101	Human Communication		
PSYC	243	Human Development Across the Life Span	3	
GOVT	121	National and State Government	3	
SOCI	111	General Sociology	3	
TOTAL HOURS			16	

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.