

2nd Semester		
Bio 221	Human Anatomy and Physiology II	5
CORE	[Humanities & Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 Gov't: U.S./St/Loc]	3
CORE	[International Cultural Studies]	3
		15

Senior Year

1st Semester		
<i>(At an approved School of Medical Technology)</i>		
MT 401	Clinical Chemistry	10
MT 403	Clinical Hematology	6
		16

2nd Semester		
<i>(At an approved School of Medical Technology)</i>		
MT 402	Clinical Microscopy	1
MT 404	Clinical Serology/Immunology	3
MT 405	Clinical Microbiology	7
MT 406	Clinical Immunohematology	3
MT 407	Special Topics in Medical Technology	2
		16

(Prerequisites)
[Department Recommendations]

For additional information contact:

Dr. Melvyn Mosher
Office: Reynolds Hall 242
Phone: 417.625.9733
Email: mosher-m@mssu.edu
OR
Dr. Michael Garoutte
Office: Reynolds Hall 241
Phone: 417.625.9579
Email: garoutte-m@mssu.edu

Principles and techniques involved in the study of hemostasis, blood coagulation, and hemorrhagic disorders. Three hours lecture, 12 hours clinic/lab per week.

MT 404 (S) 3 hrs. cr.
Clinical Serology-Immunology

The science of immunity including antibody development, principles of antigen-antibody interactions, and techniques of serological testing for various disease states. Three hours lecture, 12 hours clinic/lab per week.

MT 405 (S) 7 hrs. cr.
Clinical Microbiology

Sterile technique, methods of handling and inoculating specimens containing pathogenic micro-organisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology, and parasitology. Four hours lecture, 12 hours clinic/lab per week.

MT 406 (S) 3 hrs. cr.
Clinical Immunohematology-Blood Bank

Blood group systems and the immune response. Methods of cross-matching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hour lecture, eight hours clinic/lab per week.

MT 407 (S) 2 hrs. cr.
Special Topics in Medical Technology

Lecture and/or clinical practice in the areas of in-service education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.

Course Descriptions

MT 401 (F) 10 hrs. cr.
Clinical Chemistry
Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation, and special procedures. Five hours lecture, 20 hours clinic/lab per week.

MT 402 (S) 1 hr. cr.
Clinical Microscopy
Principles and techniques of the physical, chemical, and microscopic examination of urine and other excrete as related to disease processes. One hour lecture, clinic by arrangement.

MT 403 (F) 6 hrs. cr.
Clinical Hematology
The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities.



Faculty Box - Head, Ayton, Barr, Corcoran, Eller, Griffiths, Hart, Richardson

The Bachelor of Science degree Nursing Program provides intensive preparation for the first-time entering student, baccalaureate degreed graduate, and licensed practical nurse seeking licensure as a registered nurse and for the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on the Betty Neuman Systems Model, emphasizing Person, Health, Environment, and Nursing. Core Curriculum and required support courses augment nursing courses in preparing a professional nurse who is able to function at the client's side in a diverse health-care delivery system.

The program is approved by the Missouri State Board of Nursing, PO Box 656, Jefferson City MO, (573) 751-0681.

APPLICATION FOR REGISTERED NURSE LICENSURE IN MISSOURI

According to Section 335.066 Missouri Nursing Practice Act (1-14), granting of the Nursing baccalaureate degree does not

guarantee eligibility to sit for the licensure examination or guarantee issuance of a license to practice nursing in the state of Missouri. For eligibility requirements to apply, write the National Council Licensure Examination for Registered Nurses (NCLEX-RN) as specified in section 335.046-1 of the Missouri Nursing Practice Act. In addition, the applicant should: 1) be of good moral character; 2) have completed high school or equivalent; 3) have successfully completed basic professional curriculum in accredited school of nursing. Section 335.066, Missouri Nursing Practice Act (1-2) to (1-15), provides rules for denial, revocation, or suspension of license, and grounds for civil immunity. The Board may refuse to issue any certificate of registration or authority, and permit or license stated in subsection two of this section. Detailed information may be obtained through the Missouri State Board of Nursing Website – www.ecodev.state.mo.us/pr/nursing.

The program is nationally accredited by The National League for Nursing Accrediting Commission (NLNAC), 61 Broadway-33 Floor, New York, NY 10006, 1-800-669-1656.

Department of Nursing Program Objectives

- Offer a nationally accredited Baccalaureate Degree in Nursing.
- Enhance higher order thinking, communication, research, and therapeutic interventions in the practice of professional nursing.
- Promote lifelong learning activities for personal and professional development.
- Furnish a foundation for management and leadership roles in nursing.
- Prepare graduates to use Standards of Clinical Nursing Practice in a variety of settings.
- Provide a foundation for graduate education studies in nursing.
- Promote empathy for the values and perspectives of diverse cultures including an awareness of international and multicultural influences in nursing.

Graduate Outcomes

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.
- Provide self-directed contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary, and tertiary prevention.
- Manage health care delivery through coordination, collaboration, and delegation.
- Integrate communication strategies in interacting with the person.
- Apply nursing and health related research to nursing practice.

Admission Criteria

1. Continuous enrollment, readmission, or admission to the University as a transfer student.
2. Cumulative GPA of 2.5 minimum based upon completion of freshman and sophomore courses listed in the suggested order of study.
3. Completion of the following five natural and physical science courses with a grade of "C" or higher:

Bio 121	Anatomy and Physiology I
Bio 221	Anatomy and Physiology II
Bio 231	General and Medical Microbiology
Chem 100	Introductory Chemistry
Bio 308	Pathophysiology
4. All courses from the Suggested Order of Study must be completed prior to entering the nursing major at the junior level.
5. Missouri State Highway Patrol Criminal Record Check (If residency in Missouri is less than one year a criminal record check also must be obtained from the previous state of residence.)
6. State of Missouri Caregiver Background Screening
7. Drug/Alcohol Screen

RSMO 660.317 prohibits a hospital from knowingly allowing those guilty of Class A and B felonies as defined by state law to give care to clients in the agency. Missouri Southern State University students are assigned to do clinical practice in cooperating hospitals and the Department is in agreement that students must meet these requirements. Results of a personal criminal history record check and caregiver background screening must be on file prior to fall semester of the **Junior Year** of nursing courses. Applicants who have been found guilty and/or listed on background check lists in the Family Care Safety Registry pursuant to sections 210.900 to 210.937, RSMo of Class A and B felonies will be ineligible to enter the program.

ADMISSION TO THE PROGRAM IS COMPETITIVE.

Application, readmission, and transfer forms and criteria are available from the Department of Nursing in Kuhn Hall.

Deadline for Department of Nursing application and Missouri Southern State University transcript is **January 31**.

The applicant is responsible for verifying that the Missouri Southern State University transcript contains all transcribed courses from other colleges and universities prior to the application deadline and submitting the Missouri Southern State University transcript to the Department of Nursing by the stated deadline.

Students who meet all admission criteria and have completed the Suggested Order of Study for the Bachelor of Science Degree in Nursing at Missouri Southern State University will be given preference in admission.

Freshman Option: Direct Provisional Admission (DPA)

Students entering as first time freshmen to Missouri Southern State University will have the opportunity to receive direct pro-

visional admission to the nursing program based upon the following criteria:

1. Meet all requirements for regular admission to Missouri Southern State University as a first-time freshman.
2. ACT composite score of 25 or higher.
3. Maintain a 3.0 GPA in required courses each semester with a grade of "C" or above (refer to catalog for required courses).
4. Meet all other requirements for admission to nursing major prior to matriculation.

Admission of Baccalaureate Degreed Applicants

Applicants holding a baccalaureate degree are considered by the University as having completed the Core Curriculum requirements. Degreed nursing applicants must meet all stated admission requirements.

The cumulative GPA on baccalaureate degree earned will apply to degreed nursing applicants.

Required support courses for admission into the nursing major including natural area physical sciences courses requiring a grade of "C" or higher are as follows:

Bio 121	Anatomy and Physiology I	4	
Bio 221	Anatomy and Physiology II	5	
Bio 231	General and Medical Microbiology	5	
Chem 100	Introductory Chemistry	5	
Bio 308	Pathophysiology	4	
Kine 385	Nutrition for Human Development	3	
Total		26

Admission of Registered Nurses (RNs)

Registered nurses are admitted to the University as graduates of Southern's Associate Degree Nursing Program or as transfer students. In addition to the program admission requirements, registered nurses must also meet the following requirements:

1. Graduation from a state-approved and National League for Nursing Accrediting Commission (NLNAC) accredited associate degree or diploma nursing program.
2. Current registered nurse licensure or eligibility in the state of Missouri.
3. Upon successful completion of Nurs 301 Transitions in Nursing, 3 credit hours, validation of 31 credit hours of nursing knowledge will be transcribed for credit as follows:

Nurs 310	Assessment and Technologies	5 cr
Nurs 320	Adult Nursing	7 cr
Nurs 350	Family Nursing	9 cr
Nurs 360	Mental Health Nursing	4 cr
Nurs 400	Complex Nursing	6 cr
4. The RN has an option to challenge Nurs 305 Pharmacology three credit hours in Nursing through departmental examination. An assessment fee per credit hour will be charged to the student's account.

Admission of Licensed Practical Nurses (LPNs)

Licensed Practical Nurses (LPNs) are admitted to the University as first-time (generic) or transfer students. LPN

applicants must meet all University and program requirements for admission. The LPN has the option to challenge 5 credit hours for Nurs 310 Health Assessment and Technologies through departmental examination. An assessment fee per credit hour will be charged to the student's account.

Transfer Policy for Students from a Baccalaureate Degree Nursing Program

1. All program admission criteria must be met.
2. A letter of reference is required from the Dean or Director of the nursing program previously attended stating the student left in good standing and is eligible for readmission.
3. Transfer courses will be evaluated for course equivalency at Missouri Southern on an individual basis.
4. Nursing courses with a clinical component must be fully met.
5. Transfer is based on space availability.

Special Fees

In addition to all established fees for University students, special laboratory fees are assessed for:

- Fall semester **Junior Year** – Nurs 310 Nursing Assessment and Technologies – \$200.00
- Spring Semester **Junior Year** – Nurs 350 Family Nursing – \$100.00.
- Fall semester **Senior Year** – Nurs 430 Advanced Health Assessment – \$100.00
- Spring Semester **Senior Year** – Nurs 450 Community Health Nursing – \$50.00

Other costs incurred during the program include, but are not limited to: required nurse bag equipped for courses, uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, current immunizations, etc. An estimated cost sheet for nursing students is available in the Department of Nursing.

Bachelor of Science Degree Nursing

	Semester Hours
Core Requirements (p. 32)	42
Nursing Major Requirements	91
(See course descriptions for prerequisites)	
Nurs 301	Transitions in Nursing (RNs) 3
Nurs 305	Pharmacology in Nursing 3
Nurs 310	Health Assessment and Technologies . . 5
Nurs 320	Adult Nursing 7
Nurs 350	Family Nursing 9
Nurs 360	Mental Health Nursing. 4
Nurs 370	Gerontologic Nursing (WI) 3
Nurs 400	Complex Nursing 6
Nurs 420	Nursing Ethics (WI) 3
Nurs 430	Advanced Health Assessment 3
Nurs 450	Community Health Nursing 5
Nurs 460	Nursing Research (WI) 3
Nurs 470	Nursing Management and Leadership . . 5
Bio 121	Anatomy and Physiology I* 4
Bio 221	Anatomy and Physiology II 5
Bio 231	General and Medical Microbiology. . . . 5
Bio 308	Pathophysiology 4

244 / Nursing

Chem 100	Introductory Chemistry*	5
CIS 105	Introduction to Microcomputer Use	3
Kine 385	Nutrition for Human Development	3
Psy 320	Applied Statistics	3
Total		133

*Satisfies the Core requirements

Junior Year		
Spring Semester		
Nurs 350	Family Nursing+	9
Nurs 360	Mental Health Nursing+	4
Nurs 370	Gerontologic Nursing (WI)	3
		16

Senior Year		
Fall Semester		
Nurs 400	Complex Nursing*+	6
Nurs 420	Nursing Ethics (WI)	3
Nurs 430	Advanced Health Assessment	3
Psy 320	Applied Statistics*	3
		15

Senior Year		
Spring Semester		
Nurs 450	Community Health Nursing	5
Nurs 460	Nursing Research (WI)	3
Nurs 470	Nursing Management & Leadership	5
		13

*See course descriptions for prerequisites.
 +Complete Nurs 301 Transitions in Nursing with a grade of "C" and receive credit for Nurs 310, Nurs 320, Nurs 350, Nurs 360, Nurs 400.
 @Departmental waiver as outlined in Nursing Student Handbook or credit by examination.
 ^Credit by departmental examination for Licensed Practical Nurses.
 #Credit by departmental examination for Registered Nurses

Suggested Order of Study

Bachelor of Science Nursing - Four Year Major Code 3200

Freshman Year

Fall Semester		
Course		Hours
Bio 121	Human Anatomy/Physiology I	4
Eng 101	English Composition I (WI)	3
Math 130	College Algebra	3
Comm 100	Oral Communication	3
Kine 103	Lifetime Wellness	2
CIS 105	Introduction to Microcomputer Use@	3
Psy 120	College Orientation	1
		19

Freshman Year

Spring Semester		
Bio 221	Human Anatomy/Physiology II*	5
Eng 102	English Composition II (WI)	3
Chem 100	Introduction to Chemistry*	5
Econ 180	American Economic System	3
Psy 100	General Psychology	3
		19

Sophomore Year

Fall Semester		
Bio 231	General and Medical Microbiology*	5
CORE	Area 2.a (Fine Art)	3
CORE	Area 2.b (Literature)	3
Kine 385	Nutrition for Human Development	3
Hist 110	U.S. History 1492-1877	3
		17

Sophomore Year

Spring Semester		
Bio 308	Pathophysiology*	4
CORE	Area 2.c (Fine Art or Literature)	3
CORE	Area 5 (International Cultural Studies)	3
PSc 120	Gov't: U.S., St, Local	3
Kine 101	Physical Activity	1
Hist 120	U.S. Hist 1877 - Present	3
		17

Junior Year

Fall Semester		
Nurs 301	Transitions in Nursing (RNs)	3
Nurs 305	Pharmacology in Nursing#	3
Nurs 310	Health Assessment and Technologies+^	5
Nurs 320	Adult Nursing+	7
		15

Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors: Informatics, Business, Spanish, etc.

Americans with Disabilities Act Implications

Students are required to have completed a physical examination/health verification after conditional admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks, and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

For additional information contact:

Dr. Barbara Box
 Office: Kuhn Hall 210-B
 Phone: 417.625.9322
 Email: box-b@mssu.edu

Course Descriptions

- Nurs 301 (F) 3 hrs cr.
Transitions in Nursing
 This course will assist the Registered Nurse student to examine the role of a baccalaureate degree prepared nurse in a changing health-care environment. The student will have the opportunity to integrate current nursing practice, philosophy, concepts, and theories into his/her professional practice. Offered online only. Prerequisite: Admission to the nursing program and registered nurse licensure.
- Nurs 302 (F) (Demand) 3 hrs cr.
Herbal and Complementary Therapies
 Herbal and Complementary Therapies is a course designed to enhance the learner's understanding and appreciation of universal alternative and holistic approaches to health. "Nontraditional" treatment methods that comprise complementary therapies include herbal medicine, homeopathy, naturopathy, therapeutic massage, and acupuncture. One three hour lecture per week. Prerequisite: Bio 101 General Biology.
- Nurs 305 (F) 3 hrs cr.
Pharmacology in Nursing
 This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Prerequisite: Admission to the nursing program and concurrent with Nurs 310 and Nurs 320. (Concurrent enrollment in Nurs 301 Transitions in Nursing is required for RNs.)
- Nurs 310 (F) 5 hrs cr.
Health Assessment and Technologies
 Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hours lecture and six hours lab per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 320.
- Nurs 320 (F) 7 hrs. cr.
Adult Nursing
 Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hours lecture and nine hours clinical per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 310.
- Nurs 350 (S) 9 hrs. cr.
Family Nursing
 Focuses on health promotion of the developing family and nursing care of the maternity and pediatric client with variances of health. Six hours lecture and nine hours clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C", and concurrent with Nurs 360 and Nurs 370.
- Nurs 360 (S) 4 hrs. cr.
Mental Health Nursing
 Focuses on assessment, promotion of mental health, and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hours lecture, six hours of clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C", and concurrent with Nurs 350 and Nurs 370.
- Nurs 370 (S) 3 hrs. cr.
Gerontologic Nursing *(Writing Intensive)*
 Focuses on the normal aging process and common health variances of the older person. Three hours lecture per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C", and concurrent with Nurs 350 and Nurs 360 or RN status with permission of instructor.
- Nurs 400 (F) 6 hrs. cr.
Complex Nursing
 Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Three hours lecture, nine hrs of clinical per week. Prerequisites: Nurs 350, Nurs 360, and Nurs 370 with a minimum grade of "C", and concurrent with Nurs 420 and Nurs 430.
- Nurs 420 (F) 3 hrs. cr.
Nursing Ethics *(Writing Intensive)*
 Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse are explored. Three hours lecture per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 430.
- Nurs 430 (F) 3 hrs. cr.
Advanced Health Assessment
 The emphasis of advanced health assessment will be refining abilities to utilize techniques to assess, identify, and describe variances from normal. Two hours lecture, three hours of lab per week. Prerequisites: Nurs 350, Nurs 360, and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 420.
- Nurs 450 (S) 5 hrs. cr.
Community Health Nursing
 Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hours lecture, six hours of clinical. Prerequisites: Nurs 400, Nurs 420, and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 460 and Nurs 470.
- Nurs 460 (S) 3 hrs. cr.
Nursing Research *(Writing Intensive)*
 Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting, and assisting in the conduct of research. Three hours of lecture per week. Prerequisites: Psy 320, Nurs 400, Nurs 420, and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450 and Nurs 470.
- Nurs 470 (S) 5 hrs. cr.
Nursing Management and Leadership
 Emphasis is on nursing management and organization, nursing leadership skills, and resource allocation. Three hours lecture and 6 hours clinical per week. Prerequisites: Nurs 400, Nurs 420, and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450 and Nurs 460.
- Nurs 498 (Demand) 1-3 hrs cr.
Advanced Topics in Nursing
 Special topic or topics not normally included in another course. Prerequisites: Upper division standing; additional requirements will be stipulated in the syllabus of the course.
- Nurs 499 (Demand) 1-3 hrs cr.
Independent Study
 Independent study course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration in the course must be approved by adviser, department head, and school dean. Minimum of 3.0 GPA required.