Registered nurses (RNs) provide and coordinate patient care, educate patients and the public about various health conditions, and provide advice and emotional support to patients and their family members.

Registered nurses typically do the following:

- Record patients’ medical histories and symptoms
- Administer patients’ medicines and treatments
- Set up plans for patients’ care or contribute to existing plans
- Observe patients and record observations
- Consult with doctors and other healthcare professionals
- Operate and monitor medical equipment
- Help perform diagnostic tests and analyze results
- Teach patients and their families how to manage illnesses or injuries
- Explain what to do at home after treatment

Most registered nurses work as part of a team with physicians and other healthcare specialists. Some registered nurses oversee licensed practical nurses, nursing assistants, and home health aides. Registered nurses' duties and titles often depend on where they work and the patients they work with. They can focus in the following areas or with specific patient populations:

- A specific health condition, such as a diabetes management nurse who helps patients with diabetes or an oncology nurse who helps cancer patients
- A specific part of the body, such as a dermatology nurse working with patients who have skin problems
- A specific group of people, such as a geriatric nurse who works with the elderly or a pediatric nurse who works with children and teens
- A specific workplace, such as an emergency or trauma nurse who works in a hospital or stand-alone emergency department or a school nurse working in an elementary, middle, or high school
- Some registered nurses combine one or more of these specific areas. For example, a pediatric oncology nurse works with children and teens who have cancer.
- Addiction nurses care for patients who need help to overcome addictions to alcohol, drugs, tobacco, and other substances.
- Cardiovascular nurses care for patients with heart disease and people who have had heart surgery.
- Critical care nurses work in intensive care units in hospitals, providing care to patients with serious, complex, and acute illnesses and injuries that need very close monitoring and treatment.
- Genetics nurses provide screening, counseling, and treatment of patients with genetic disorders, such as cystic fibrosis.
- Neonatologists work with newborn babies.
- Nephrology nurses care for patients who have kidney-related health issues stemming from diabetes, high blood pressure, substance abuse, or other causes.
- Rehabilitation nurses care for patients with temporary or permanent disabilities.

Some nurses have jobs in which they do not work directly with patients, but they must still have an active registered nurse license. For example, they may work as nurse educators, healthcare consultants, public policy advisors, researchers, hospital administrators, salespeople for pharmaceutical and medical supply companies, or as medical writers and editors.

Registered nurses may work to promote general health, by educating the public on warning signs and symptoms of disease. They may also run general health screenings or immunization clinics, blood drives, or other outreach programs. (Occupational Outlook Handbook)

The following two year pre-professional program is based on the requirements for admission to the Nursing Program in the UNMC College of Nursing. A minimum 58 semester hours of pre-nursing courses must be completed. The Nursing Program at UNMC is a four semester program. Students will receive a Bachelor’s Degree in Nursing (BSN) from UNMC upon completion of the clinical training.

While other nursing programs may have similar pre-requisite courses and requirements, each student is urged to contact the specific school of his or her choice to determine any suggested variations of this pre-professional schedule. Students should realize that gaining admission to a nursing program is highly competitive.

**Take all of the following:**

- BIOL 211GS  Human Microbiology  4 hours
- BIOL 225  Anatomy & Physiology  4 hours
- BIOL 226  Anatomy & Physiology  4 hours
- ENG 101  Introduction to Academic Writing  3 hours
- ENG 102GS  Academic Writing & Research  3 hours
- FAMS 110GS  Introduction to Nutrition  3 hours

Choose one from each of the following course options:

**Additional courses:**

- CHEM 145GS  Introduction to Chemistry  4 hours
- CHEM 160GS  General Chemistry  4 hours
- FAMS 150  Lifespan Development  3 hours
- PSY 230GS  General Psychology  3 hours
- BIOL 311  Bioethics  3 hours
- PHIL 120GS  Introduction to Philosophy  3 hours
Choose One:
STAT 235GS  Introduction to Statistics for Social Sciences  3 hours
STAT 241GS  Elementary Statistics     3 hours
BIOL 305  Biostatistics     3 hours

Choose one from each category below:
Culture/Race/Ethnicity/Gender (see advisor for additional options):
GEOG 106GS  Human Geography     3 hours
HIST 250GS  American History     3 hours
HIST 251GS  American History     3 hours
SOC 22S  Global Cultures & Diversity    3 hours
SOC 250GS  Anthropology     3 hours

Family & Human Behavior (see advisor for additional options):
FAMS 151GS  Human Sexual Behavior     3 hours
FAMS 250  Infant Development     3 hours
FAMS351GS  Marriage & Family Relationships   3 hours
SOC 430  Sociology of Family     3 hours

Humanities (see advisor for additional options):
ENG  Literature:       3 hours
ART 100GS  Art Structure      3 hours
ART 120GS  Drawing I      3 hours
MUS 100GS  Music Appreciation     3 hours
SPCH 100GS  Fundamentals of Speech    3 hours
THEA 120GS  Introduction to Theatre     3 hours

Political Science & Social Organization (see advisor for additional options):
FAMS 160GS  Personal Money Management    3 hours
PSCI 110GS  Intro to American Politics    3 hours
PSCI 170GS  Democracy as a Political Idea  3 hours

Free Electives         3 hours

Academic Guidelines
While a 2.5 minimum cumulative GPA is required for most nursing programs, students who are successful in gaining admission typically have at least a 3.0 cumulative GPA. Each required course must be passed with a grade of "C" or better. A grade of "C-" will not be accepted. UNMC does require a "C+" or higher in all pre-requisites. Students searching for electives outside their major requirements should consider courses from the following areas: biology, chemistry, mathematics, sociology, psychology, business administration, healthcare management, and healthcare economics. See your advisor for suggestions. Students should be aware of prerequisites on all courses and plan their coursework accordingly.

Non-Academic Guidelines
There is no magic formula for acceptance in to professional school. Admission is based on GPA, shadowing and medical experiences, community involvement and volunteerism, leadership qualities, the interview, the essay, and letters of recommendation. Shadowing and medical experiences are of utmost importance. Students should plan to shadow a minimum of 40 hours in their selected profession. Health Sciences offers opportunities to meet these non-academic guidelines through the Shadowing Program, the Health Science Club, and volunteer experiences. Research experience is not required, but will be looked upon favorably. Students should plan to be involved in these types of activities and experiences throughout their undergraduate career. Other important non-academic factors include good moral character, excellent interpersonal skills, a deep commitment to healthcare, evidence of leadership potential and service to others.

The Application Process
Students will make application to nursing schools through the Centralized Application Service for Nursing Programs (NursingCAS): http://www.nursingcas.org. The centralized application service allows students to fill out one application to apply to multiple schools. Early application is strongly encouraged. Students should make application in the early fall of the calendar year proceeding the year in which they hope to enroll in a nursing program. The application cycle for admission at the UNMC College of Nursing is October 15 – February 1. The student should check with the other schools to which he or she is applying to verify their policies and procedures regarding supplemental applications.

Letters of Evaluation/Recommendation
Letters of evaluation will be required of applicants. Letters from a faculty member, health care practitioner, academic advisor, or employer would be appropriate. Information about the non-academic character of a student would be most useful as academic information is already in the application.

Interviews
Most schools screen applicants with some form of personal interview. The format of the interview may vary depending on the schools to which students are applying.

Criminal Background Checks
Prerequisite for enrollment into any health science professional program or clinical training is consent for an external background check. This check includes, but is not limited to, past criminal offenses and registry information. If there is evidence of arrest for a crime(s), conviction for a crime(s), presence on an abuse registry, or other information which reasonably suggests that patient safety might be compromised, the student will be asked to provide additional information.

Citizenship/International Students
Professional schools in the health sciences vary as to whether they accept non-U.S. citizens. Some schools that do accept non-citizens require a substantial financial commitment up front. Since not all schools accept non-citizens and since the financial commitment of those that do may be substantial, students should thoroughly research and carefully consider such a decision and discuss it with their pre-health advisors early in their undergraduate years.

Websites
UNMC Nursing http://www.unmc.edu/nursing/
UNK Health Sciences www.unk.edu/healthsciences
Suggested Sequence of Key Courses

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<th>Fall</th>
<th>Spring</th>
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| **Year 1** | MATH 102GS  
CHEM 145GS or CHEM 160GS  
PSY 203GS  
ENG 101  
Humanity  
Total Hours: 16 | BIOL 211GS  
PSY 230GS or FAMS 150  
FAMS 110GS  
ENG 102GS  
Cultural, Race, Ethnicity & Gender  
Total Hours: 16 |
| **Fall** | BIOL 225  
Family & Human Behavior  
SOC 100GS  
STAT 241GS or STAT 235GS or BIOL 305  
Total Hours: 13 | BIOL 226  
Political Science & Social Organization  
Free Elective/Portal ClassGS  
PHIL 120GS or BIOL 311 or SOWK 172  
Total Hours: 13 |
| **Year 3** | Clinical Training | Clinical Training |
| **Year 4** | Clinical Training | Clinical Training |

- Students should be aware of prerequisites for upper level courses and plan accordingly.
- A MATH ACT score of 20 or higher is a pre-requisite for MATH 102.
- A minimum MATH ACT score of 22 or prior completion of College Algebra (MATH 102) or higher is a pre-requisite for CHEM 160.
- Completion of one semester of chemistry is a pre-requisite for BIOL 225.
- Work with advisor on course selection to ensure that one of the categories also fulfills the portal requirement of the UNK General Studies requirements.