



NORTH CENTRAL TEXAS COLLEGE

Curricula – Health Sciences

North Central Texas College's Division of Health Sciences includes the following courses of study:

- **Associate Degree Nursing (ADN)** for students wishing to qualify for licensure as Registered Nurses (RNs).
- **Emergency Medical Services (EMS)** for students wishing to qualify for certification as Paramedics and EMTs.
- **Surgical Technology** for students wishing to qualify for certification as Surgical Technologists.
- **Vocational Nursing (LVN)** for students wishing to qualify for licensure as Licensed Vocational Nurses (LVNs).
- **Radiological Technology** for students wishing to qualify for registry as Radiological Technologists.

NOTE: Admission to Health Science/Nursing Programs

Admission to a Health Science or Nursing program is contingent upon admission to North Central Texas College; however, granting of admission to the College does not guarantee admission to a Health Science or Nursing program. A more detailed description of the general admissions process for Health Science/Nursing programs is on page 25. Refer also to specific programs on the following pages for any additional admission requirements.

ASSOCIATE DEGREE NURSING (ADN) PROGRAM (*Gainesville Campus*)

North Central Texas College's ADN program is approved by the Texas Board of Nursing and has full accreditation from the National League for Nursing Accrediting Commission (NLNAC: 61 Broadway, New York, NY 10006, Telephone: 1-800-669-9656, ext. 153).

Educational Outcomes

By the end of this program of study, the student will be able to master the objectives in the following areas:

Act As A Provider of Care To:

- Determine the health status and health needs of clients based upon interpretation of health data and preventive health practices in collaboration with clients and interdisciplinary health care team members.
- Formulate goals/outcomes and plan of care based on nursing diagnoses in collaboration with clients and interdisciplinary health care team members.
- Implement plan of care within legal and ethical parameters, including scope of practice, in collaboration with the client and interdisciplinary health care team to assist client in meeting health care needs.
- Develop and implement teaching plans for clients concerning, promotion, maintenance, and restoration of health.
- Evaluate clients' responses and outcomes to therapeutic interventions.
- Provide for the care of multiple clients either through direct care or assignment and/or delegation of care to other members of the health care team.
- Use critical thinking approach to analyze clinical data and current literature as a basis for decision making in nursing practice.

Act As A Coordinator of Care To:

- Coordinate human and material resources for the provision of care for clients.
- Collaborate with clients and the interdisciplinary health care team for the planning and delivery of care.
- Refer clients to resources that facilitate continuity of care.
- Function within the organizational framework of various health care settings.

Act As A Member of a Profession:

- Assume accountability and responsibility for the quality of nursing care provided to clients.
- Act as an advocate to promote the provision of quality health care for clients.
- Participate in activities that promote the development and practice of professional nursing.

Gaining Admission

Being admitted* to North Central Texas College does NOT mean you are automatically admitted to the ADN program. (Refer to the note on the previous page and to more detailed information about admission on page 21.) To be officially admitted to the ADN program at NCTC, students must meet additional qualification requirements and carefully follow the step-by-step process described in Phase One and Phase Two below.

**North Central Texas College does not discriminate against or exclude from participation in any of its programs or activities, either in the student body or the staff, any person on the grounds of sex, race, color, religion, age, handicap, national origin or veteran status. Special emphasis will continue to be placed on correcting conditions which may inadvertently discriminate against any individual with a disability.*

PHASE ONE

The following steps must be completed by ALL applicants before they will be considered for admission to the ADN program:

Step One: Complete (either by mail, online or in person) and submit PRIOR TO REGISTRATION an Application for Admission to NCTC and official transcripts from all educational institutions you have attended. Furnish official THEA scores OR proof of exemption based on TAAS, SAT or ACT scores. Students who have earned an associate's or bachelor's degree or higher are exempt from THEA testing. The latest Schedule of Classes will provide the most up-to-date information regarding college preadmission testing. Fill out and submit a ***Degree Audit/Transcript Evaluation*** form to the NCTC Admissions Office. This should be done a minimum of two months prior to applying to the nursing program.

Step Two: Attend a ***pre-nursing advisement/information session***. Times and locations of information sessions are updated and posted as

changes occur on the **Information Session** link of the college's nursing web page at: www.nctc.edu (go to Quick Links: Nursing and Health Sciences; Associate Degree Nursing). This web site has additional information regarding the nursing program. **Applying for the Next Class** has more detailed information regarding testing, immunizations, and a checklist of things to be gathered before entering the program.

Step Three: Once all admission requirements are met, you will be notified by the Registrar's Office of your acceptance to the College and will be ready to begin the process of registering for the prerequisite and support courses. Contact the nursing office to obtain your pin number so that you may register on-line during early registration.

PHASE TWO

The following procedure is to be followed by applicants who have met all the requirements of Phase One and are asking for clearance to enroll in the ADN program. Please take time to read this section very carefully — particularly those references to earning "priority points".

Step One: Once you have completed ALL items under PHASE ONE, you are ready to seek official admission to the ADN Program. First, you must complete and submit to the ADN Program Office at the Gainesville Campus a Declaration of Intent Form — a formal statement of your intention to enroll in the next ADN clinical class scheduled to begin at NCTC. A degree audit and copies of transcripts of all courses must be provided at the time the Declaration of Intent is completed. A degree audit and copies of transcripts of all courses must be provided at the time the Declaration of Intent is done. It must be completed between:

- **May 1 – June 1 for Fall Semester admission to the ADN Program OR:**
- **Sept. 15 – Oct. 1 for Spring Semester admission.**

These declaration forms do NOT "carry over." If for any reason you are not admitted to the ADN Program after submitting your first declaration form, you must submit a new form in order to be considered again for admission.

Step Two: After you have completed Step One above, your transcript will then be evaluated to determine "priority points." (refer to the Priority

PRIORITY POINTS

***Non-Nursing Curriculum Coursework
Grade Point Average***

4.0.....	3 priority points
3.5.....	2 priority points
3.0.....	1 priority point

***Non-Nursing Coursework Completed
With a “C” or Better:***

24 hours.....	3 priority points
15 hours.....	2 priority points
7 hours.....	1 priority point

***BIOL2401 Anatomy &
Physiology I Grade:***

A.....	3 priority points
B.....	2 priority points
C.....	1 priority point

***BIOL2402 Anatomy &
Physiology II Grade:***

A.....	3 priority points
B.....	2 priority points
C.....	1 priority point

NOTE: Chemistry (one year of High School OR one semester of College Chemistry) and Computer Literacy (one year of High School BCIS, one semester College Computers [BCIS1305] or successful completion of the Computer Department Exam) are prerequisites to the Nursing Program and are not included in the actual Nursing Curriculum; therefore, these courses are not counted in figuring Nursing Curriculum Coursework hours or Grade Point Average. Non-nursing coursework includes: Anatomy & Physiology I & II, Elementary Statistics (or College Algebra), Microbiology, Developmental Psychology, Composition I, Composition II, a 3-hour Humanities or Fine Arts Elective, and Speech. All coursework must be completed with a “C” or better.

Point Chart above). Applicants will be ranked according to the priority points.

Step Three: All applicants who have submitted a Declaration of Intent form will be notified of their enrollment status BY MAIL — **no later than June 21 preceding each Fall Semester or October 21 preceding each Spring Semester.** Only a limited number of applicants with the highest Priority Point scores will receive letters stating that they are candidates to take a pre-admission exam.

Candidates with the highest pre-admission exam scores will be considered for admission to the Associate Degree Nursing Program. Candidates with the next highest pre-admission exam scores will be listed as alternates. If any of those who

have been admitted are not able to begin the program for that particular semester, the next highest scoring alternate will be admitted. Any applicant (including alternates who did not get in) wishing to re-apply the following semester must go through this admission procedure again in order to be considered for the upcoming semester. (The pre-admission exam may only be taken twice—one time in any given semester). Those students accepted for admission to the ADN Program will be registered in the first semester nursing courses.

Step Four: Those students selected for admission must submit the following documents to the Nursing office at least one week prior to the first class day:

- Physical Examination form signed by a physician certifying that the applicant has been examined thoroughly.
- Proof of current CPR certification and required immunizations of Tetanus-diphtheria toxoid (TD) (within 10 years); Measles/mumps/rubella (MMR) plus second dose of measles; Tuberculin Test (TB) (within 1 year) or Chest X-Ray (within 2 years); Varicella (chicken pox) (one dose prior to age 13 or 2 doses as an adult; and Hepatitis B (series of 3 doses administered over a 6 months period. The first dose must be obtained no later than February 15 for Fall admission or July 6 for Spring admission in order to have the series complete prior to beginning the program). Hepatitis A is strongly recommended.
- Proof of major medical insurance coverage.
- Students must also purchase malpractice insurance (costing approximately \$18). This is added to the tuition/fees bill at registration. Malpractice insurance must be renewed each fall semester.
- A Drug Test and a Criminal Background Check will be required of all students.

NOTE: Any student who has a history of mental illness or substance abuse or who has been convicted of a felony must file paperwork with the Board of Nursing BEFORE entering the ADN Program. BON regulations stipulate that a person convicted of a felony may not be permitted to take the state licensing exam. Don't spend two years in school and then discover that you cannot take the exam. Check it out BEFOREHAND. Any student who has ever been arrested for anything other than a minor traffic violation will need to submit a Petition for a Declaratory Order to the Board of Nursing. Contact the ADN Program Coordinator for more details.

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Second Semester	Credit Hours
*SPCH1315 Public Speaking OR	
SPCH1321 Business & Professional Speech	3
RNSG2535 Integrated Client Care Management	5
RNSG2562 Clinical Nursing IV	5
	Total Hours 13
	GRAND TOTAL HOURS 70

TRANSITION FROM VOCATIONAL TO PROFESSIONAL NURSING

Prerequisite Courses	Credit Hours
Chemistry: One year of High School or one semester of College Chemistry	
Computer Literacy: One year of High School BCIS, one semester College Computers (BCIS1305) or successful completion of the Computer Department Exam	
BIOL2401 Anatomy and Physiology I	4
MATH1342 Elementary Statistics OR	
MATH1314 College Algebra	3
BIOL2402 Anatomy & Physiology II	4
	Total Hours 11

First Long Semester	Credit Hours
BIOL2420 Microbiology	4
PSYC2314 Developmental Psychology	3
ENGL1301 Composition I	3
RNSG1300 Health Assessment Across the Lifespan	3
RNSG1227 Transition from Vocational to Professional Nursing	2
RNSG1262 Clinical Nursing for Transition Students	2
RNSG2504 Integrated Care of Client with Common Health Care Needs	5
	Total Hours 22

May-'Mester	Credit Hours
RNSG1163 Clinical - Psychiatric Nursing	1
	Total Hours 1

Second Long Semester	Cred. Hrs.
ENGL1302 Composition II	3
*Humanities OR Fine Arts Elective	3
RNSG2514 Integrated Care of Client with Complex Health Care Needs	5
RNSG2561 Clinical III	5
	Total Hours 16

Third Long Semester	Credit Hours
SPCH1315 Public Speaking OR	
SPCH1321 Business & Professional Speech	3
RNSG2535 Integrated Client Care Management	5
RNSG2562 Clinical Nursing IV	5
	Total Hours 13
	GRAND TOTAL HOURS 63

Graduation & NCLEX for Licensure

NOTE: You can tell easily how many hours of credit a particular course is worth by looking at the course identification number. The second digit in this four-digit number gives the semester-credit-hour value of the course. For example, the English course ENGL1301 is worth three (3) hours credit, and the Microbiology course BIOL2420 is worth four (4) hours of credit. One lecture hour is equivalent to one credit hour. A 2:1 ratio is used in determining lab hours to credit hours and a 3:1 ratio is used in determining clinical hours. Each credit hour of lecture equals 50 contact minutes per week. A five (5) credit hour clinical course of 256 fifty-minute contact hours (240 sixty-minute clock hours) generally results in a clinical course that meets for two consecutive eight-hour days each week for 15 weeks during both the fall and spring semesters. See catalog course descriptions for the number of hours of lecture, laboratory, and clinical hours required for each course.

About Transfer Credit

Admission by Transfer is considered on a space available basis. Applicants must meet all requirements of the nursing program in addition to those of North Central Texas College. All college credits from other institutions will be evaluated on an individual basis to determine their possible application to the nursing curriculum requirements. A letter grade of "C" (75) or better is required for transfer for all previous nursing courses and academic support courses. Students who have not been academically successful in other nursing programs will not be considered for transfer. Previous nursing courses must be from an accredited program of nursing. A transfer will not be considered if the student has missed a full semester of enrollment in a nursing program. The student must submit:

1. A letter stating the reason for transfer.

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Transition — Vocational to Professional Nursing

Students with prior vocational nursing experience and training may apply for admission to RNSG1227: Transition from Vocational to Professional Nursing. Students will also take RNSG1300 Health Assessment Across the Lifespan, RNSG1262 Clinical Nursing for Transition Students and RNSG2504 Integrated Care of the Client with Common Health Care Needs during their first semester. All Students seeking admission to the transition course are expected to be competent in basic nursing skills.

Students should also understand that they must complete all academic courses required of other ADN students. Completing the majority of all non-nursing courses prior to entrance will be to the student's advantage for acceptance into the program.

After successful completion of this first semester, transition students would then take the Minimester Psychiatric clinical and the Second Year courses as listed on the previous page. Transition students should be able to complete the program in one and a half years.

Admission Process: Transition students must follow the same admission process as beginning students. Documentation of current licensure as a vocational/practical nurse is required.

NOTE: *Transition students who have completed all prerequisite and first semester non-nursing courses and who are working in an acute care (hospital) facility may apply for the summer FAST TRACK Transition Program. See the Transition link on the nursing web site for details: http://www.nctc.edu/What_We_Teach/AppSci/ADN/adn.html*

2. Course descriptions and/or course syllabi for previous nursing courses.
3. Resume of previous clinical experience to include documentation of skills provided by the faculty of the transferring school.
4. Letter of recommendation from the Department Head of the school from which the applicant is transferring.

Students will be evaluated on an individual basis by the Program Coordinator to determine their level of entry.

Succeeding In The ADN Program

Progression Criteria: To remain in good standing and progress within the ADN curriculum, students must:

- Make a grade of "C" or higher in all required courses and maintain an overall grade point average of 2.0;
- Have already taken the support courses required in the degree plan for that level or be enrolled concurrently;
- Maintain current CPR certification and immunization status.

Any student not satisfying these criteria will not be allowed to continue enrolling in ADN courses. However, when deficiencies are corrected, the student may be readmitted to the appropriate

courses but ONLY on a space-available basis.

Readmission

Students who have an interruption in the normal progression of their nursing studies—whether by withdrawal from a nursing course or earning a grade lower than a "C" in a nursing course - will no longer be enrolled in the Associate Degree Nursing Program. The ADN Admission, Progression, Advisement Committee considers grievances and appeals for readmission on an individual basis. Refer to the NCTC Associate Degree Nursing Student Handbook for more detailed information about this procedure.

Grading Policy

Grades in classroom (non-clinical) work are based on numerical average with corresponding letter grades. A grade of "C" or higher is required in ALL courses in the ADN curriculum.

91-100 = A • 82-90 = B • 75-81 = C
66-74 = D • 65 or lower = F

Grades for clinical courses are based on performance in the clinical area.

Cost Considerations For ADN Students

Summary of Costs: The total per-semester cost of enrolling in the ADN Program at North Central Texas College is the sum of: (1) tuition;

(2) “combined” student fees; (3) laboratory fees; (4) textbooks; (5) supplies & incidentals; and (6) nursing kits. Except for items 5 and 6, charges are figured just as they are for all other students. However, ADN students should be aware that, due to the special nature of the program, expenses in categories 3-6 will probably be considerably higher than those paid by students in most other majors. Estimated cost for the entire Associate Degree Nursing program is approximately \$8,000 - \$9,000.

Laboratory Fees: These are extra fees charged for all courses requiring a lab (in addition to the classroom lecture). For ADN students, a lab fee of \$24 will also be charged for each clinical course. Lab fees for other non-nursing science courses are normally \$24.

Textbooks: Nursing textbooks are highly specialized medical books and can be expensive — as much as \$800 or more the first semester of clinicals. Keep in mind that the ADN program is an integrated course of study, meaning you’ll buy most of your nursing books during the first semester of clinicals. Therefore, book costs will be considerably less in later semesters. For students not yet officially admitted to the ADN Program and who will be taking general education and Level I non-clinical courses, textbook costs will vary according to which particular courses are taken, but on average plan to spend a minimum of about \$35 per semester hour for books.

Supplies and Incidentals: Once admitted to clinicals, ADN students will need to buy uniforms, patches, a lab coat, shoes, stethoscope, lab kit and bandage scissors. A good wristwatch with second hand is essential. Also, the student will need normal school supplies, and other costs will include such items as major medical insurance, physical examination (including immunizations), Hepatitis B vaccine, CPR training, assessment test fees, graduation fees, state board fees and school pin. Additional fees for Malpractice Insurance, Drug Screening, and Criminal Background Testing will be added to the tuition/fees bill. Additional costs may include living expenses while attending the Psychiatric Nursing clinical rotation and a State Board Review Course. Some of these expenses will not be incurred until the latter part of the program.

NOTE: All tuition rates, fees and other elements of expense

for attending North Central Texas College are subject to change by the NCTC Board of Regents.

EMERGENCY MEDICAL SERVICES

Corinth Campus

The Emergency Medical Services Program is designed to give the student a well-rounded education for a professional career in emergency medicine. The Department of State Health Services has approved the program. There is one certificate and one-degree track offered to meet the student’s desire for certification or licensure. Levels of EMS certification are:

1. Emergency Medical Technician
2. Emergency Medical Technician Paramedic
3. RN to Emergency Medical Technician Paramedic

Courses are taught through lecture, case study skills, written assignments, skills demonstrations, and hands-on training. Clinical experiences and Internships are completed through area hospitals and EMS/fire departments.

Following successful completion of the program, the graduate will be able to:

1. Describe the scope of paramedic practice within local, state and national parameters.
2. Demonstrate the desirable qualities of an EMS provider that contribute to high professional and ethical standards.
3. Recognize, assess and manage medical and traumatic emergencies while establishing priorities under the appropriate medical control. Procedures will include physical assessment, extrication, basic life support, airway control and ventilation, fluid resuscitation, drug therapy, emergency delivery, cardiac monitoring and electrical intervention, psychological support and other forms of basic and advanced life support.
4. Coordinate scene management, patient care, and transportation with other agencies.
5. Establish rapport with first responders, agencies, patient’s family members, and staff of receiving hospitals.
6. Concisely document through written and

oral communications, events relative to the provision of emergency care.

7. In the event of contingencies, exercise personal judgment that is sound and appropriate for the situation.

Admission Procedure

Qualifications: To be eligible to enroll in the EMS Program, the applicant **must show proof of the following at the time of registration:**

1. Be at least 18 years of age to sit for certification.
2. Be a high school graduate or have passed the GED test;
3. Be physically able to handle patients and equipment normally used in EMS;

To Apply: Prospective students should obtain a program information packet from the EMS Program and follow the instructions in the packet for securing admission to the EMS Program or on the NCTC EMS website. The following will be submitted to the EMS Program:

1. Application for Admission to NCTC
2. Application to the EMS Program
3. High school transcripts
4. College transcripts
5. Current state or national EMS certifications and current medically related certificates of completion
6. Complete physical which includes a drug screen and immunizations
7. Carry a current Health Care Provider CPR card or equivalent.
8. Must have current medical insurance

Program Acceptance

At the EMT level, students are accepted on a first come, first serve basis. Due to the large volume of students for limited positions within the EMS Program, a priority acceptance ranking is based upon (1) current enrollment in the EMT program and (2) all other applicants.

Progression

To progress through the EMS Program, the student must maintain a "C" average or above. Any student who has an interruption in the normal progression of his/her EMS training may reapply for readmission to the EMS Program through the department program coordinator. Time limitations

are determined by department policy and are available by request. Readmission application does not guarantee applicant will receive acceptance into the program.

Advanced Standing Courses & Transfer Credit

Nationally registered EMTs must petition the Department of State Health Services, EMS Division to transfer their certification to the State of Texas.

Paramedics Seeking an Associate Degree

Texas or nationally certified paramedics trained at a school other than North Central Texas College may apply for the Associate of Applied Science degree. Application procedures, entrance requirements, credit for certifications, and other requirements are available upon request.

RN to Emergency Medical Technician Paramedic (EMSP 2553 and EMSP 2563)

Qualifications: To be eligible to enroll in the RN to Paramedic program, the applicant **must show proof of the following at the time of registration.**

1. Candidate must have a least 36 months of experience in ICU, CCU, or ER.
2. Must have a current ACLS card.
3. Hold a License to practice in the state of Texas (RRT, RN, PA).
4. Completed an Associates or Bachelors Degree.
5. Have a complete physical which includes: drug screen and immunizations.
6. Must have current medical insurance

Students must successfully complete the following by the end of the course to be eligible to test with National Registry on the Paramedic level.

1. Complete an Internship
2. Successfully complete the National Registry EMT exam

During the course, the student will test with the National Registry at the EMT level. This exam must be completed by midterm. At the completion of the course, the student is eligible to test with National Registry at the Paramedic level, provided the student has completed and passed their EMT testing. It is highly recommended for the student to complete an EMT-Basic course before taking the RN Bridge course.

Grading Policy

Grades in the EMS Program are determined by theory, writing assignments, skills performance, Internet assignments, written exams and clinical practice. At the completion of each EMSP course, the student must have a department average and Final Exam Grade of 75% or above to complete course work. Letter grades are assigned based on the following scale:

- A = 91-100 • B = 82-90% • C = 75-81%
 D = 66-74% • F = 0-65%

Cost Considerations for EMS Students

Summary of Costs: The total per-semester cost of enrolling in the EMS Program at North Central Texas College is the sum of: (1) tuition; (2) “combined student fees”; (3) laboratory fees; (4) textbooks; and (5) supplies and incidentals. Except for item 5, charges are figured just as they are for all other students. However, EMS students should be aware that due to the special nature of the program, expenses in categories 3-5 will probably be considerably higher than those paid by students in most other majors.

Laboratory Fees: These are extra fees charged for all courses requiring a lab (in addition to the classroom lecture). For EMS students, a lab fee of \$24 will be charged for each clinical course and courses with a skills component. Lab fees for other non-EMS science courses are normally \$24.

Textbooks: EMS textbooks are highly specialized and can be expensive, as much as \$300 or more in the first semester of Paramedicine. Keep in mind that the EMS program is an integrated course of study, meaning you will buy most of your EMS books the first semester. Therefore, book costs will be considerably less in the later semesters.

Supplies and Incidentals: Once admitted to the EMS Program, students will need to buy classroom uniforms, clinical uniforms, patches, stethoscope, pen light and trauma shears. A good wristwatch with a second hand is essential. Also, the student will need normal school supplies, and other costs that will include such items as major medical insurance, physical examination (including immunizations), Hepatitis B vaccine, CPR training, Drug Testing, Graduation fees and National Registry Examination fee as well as, the Department of State Health Services State Examination fee. An additional fee for malpractice insurance and National Registry Site fee will be added to

the tuition/fees bill. Additional costs may include meals while attending clinicals and Internship. Some of these expenses will not be incurred until the latter part of the program.

NOTE: All tuition rates, fees and other elements of expense for attending North Central Texas College are subject to change by the NCTC Board of Regents.

Graduation

Students are granted an Associate of Applied Science degree or Certificate in Paramedicine after successful completion of the prescribed curriculum within the EMS Program.

Eligible students completing certification or degree coursework will receive a Certificate of Course Completion necessary to take the Texas Department of State Health Services State Examination and the National Registry Examination. EMTs and EMT–Ps will be required to take both examinations to become a certified EMT or a certified / licensed Paramedic in the state of Texas.

Certificate of Completion / Associate of Applied Science Degree

All course work to be applied toward certification or the Associate of Applied Science degree must be completed with a grade of “C” or above. Students should consult a department representative to file a certificate or degree plan.

Students must be a current certified EMT to begin the EMT-P Certificate Program.

VNSG1420	Anatomy & Physiology for Allied Health	4
EMSP1160	Clinical – Emergency Medical Technology	1
EMSP1501	Emergency Medical Technician	5
	Total Hours	10

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PARAMEDICINE (Certificate)

First Semester	Credit Hours
EMSP1338 Intro to Advanced Practice	3
EMSP2261 Clinical I – Emergency Medical Technology/Paramedic	2
EMSP2544 Cardiology	5
EMSP2135 Advanced Cardiac Life Support	1
PHED Physical Education	1
Total Hours 12	

Second Semester	Credit Hours
EMSP2262 Clinical II - Emergency Medical Technology / Paramedic	2
EMSP1356 Patient Assessment and Airway Management	3
EMSP1355 Trauma Management	3
EMSP2434 Medical Emergencies	4
Total Hours 12	

Third Semester	Credit Hrs.
EMSP2563 *Clinical - EMT-P Internship	5
EMSP2352 EMS Research	3
EMSP2332 Mass Disaster Response	3
PHED Physical Education	1
Total Hours 12	
TOTAL CERTIFICATE HOURS 36	

**Capstone experience*

PARAMEDICINE (Degree)

First Semester	Credit Hours
GOVT2305 American National Government ...	3
ENGL1301 Composition I	3
EMSP1160 Clinical – Emergency Medical Technology	1
EMSP1501 Emergency Medical Technician	5
VNSG1420 Anatomy & Physiology for Allied Health	4
Total Hours 16	

Second Semester	Credit Hours
ENGL1302 Composition II	3
EMSP2261 Clinical - Emergency Medical Technology/Technician	2
EMSP1338 Intro to Advanced Practice	3
EMSP2544 Cardiology	5
EMSP2135 Advanced Cardiac Life Support	1
Total Hours 14	

Third Semester	Credit Hours
EMSP2262 Clinical - Emergency Medical Technology/Technician	2
EMSP1355 Trauma Management	3
EMSP1356 Patient Assessment & Airway Management	3
EMSP2434 Medical Emergencies	4
HUMA/ ARTS Any Humanities/Visual OR Performing Arts Elective	3
PHED Physical Education	1
Total Hours 16	

Fourth Semester	Credit Hours
MATH1314 College Algebra OR MATH1342 Elementary Statistics ...	3
SPCH 1315 Public Speaking	3
EMSP2563 *Clinical – EMT-P Internship	5
EMSP2352 EMS Research	3
EMSP2332 Mass Disaster Response	3
Total Hours 17	

TOTAL DEGREE HOURS 63

**Capstone experience*

PARAMEDICINE (Fast Track)

The EMS Department at North Central Texas College offers a Fast-Track EMT-P course. These classes meet Monday through Friday from 8 am – 5 pm. The course is approximately 6 months in length. This class is offered in the Spring semester only. Students must be a certified EMT by the state of Texas or National Registry to register for this course. Priority is given to local Fire Department employees.

Regular Entry Classes

First Semester	Credit Hours
EMSP1338 Introduction to Advanced	3
EMSP2544 Cardiac	5
EMSP2261 Clinical-Emergency Medical Technology/Technician	2
Total Hours 10	

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Late Entry Classes

First Semester	Credit Hours
EMSP2135 Advanced Cardiac Life Support	1
EMSP1356 Patient Assessment and Airway Management	3
EMSP1355 Trauma Management	3
EMSP2434 Medical Emergencies.....	4
EMSP2262 Clinical II - Emergency Medical	2
EMSP2352 EMS Research	3
EMSP2332 Mass Disaster Response	3
	Total Hours 19

Mini-Mester

	Credit Hours
EMSP2563* Clinical - EMT-P Internship	5
	Total Hours 5
	GRAND TOTAL HOURS 34

**Capstone experience*

**RADIOLOGICAL TECHNOLOGY (Degree)
Gainesville Campus**

The Radiological Technology Program is a two-year, 72 credit hour curriculum leading to the Associate of Applied Science Degree that prepares students to assume the role of a radiological technologist, sometimes called rad techs or x-ray techs. Radiological technologists use x-ray equipment to create images of the internal body to diagnose injury and disease. Their services are performed at the request and under the supervision of a physician.

North Central Texas College is accredited by the Southern Association of Colleges and Schools (SACS), 1866 Southern Lane, Decatur, GA 30033, (404)679-4500. Graduates of the Radiological Technologist Program qualify for registry exams through NCTC accreditation of SACS. Upon completion of the program, a graduate will be eligible to take the national registry examination administered by the American Registry of Radiologic Technologists (ARRT). If successful on the registry exam, the graduate is eligible to be licensed by the Texas Department of State Health Services as a Medical Radiologic Technologist.

The Radiological Technology Program will accept students every fall semester. The clinical training begins during the second half of the first semester and the hours will be set by the clinical institution in which the student is working.

This may include days, evenings, nights and/or weekend shifts. The student will attend clinical 16 hours a week for five weeks at the end of the first semester. The clinical experience remains 16 hours a week during the entire spring semester and increases to 24 hours a week during the summer and during the last year (fall the spring) of the curriculum.

Students are encouraged to take the academic support courses prior to entering the program. The program is rigorous and completing the support courses enables the student to complete the program successfully while maintaining personal responsibilities such as work and family commitments.

The Radiological Technology student will employ cognitive, psychomotor, and affective skills in acquisition of their degree. They will be expected to perform as radiographic technologists who must lift and move patients as well as push, pull, lift, and carry heavy equipment. Additionally, students will be required to stoop, bend, and stand for long periods of time and will be required to move quickly in emergency situations. Interpersonal skills are an integral part of the profession and require that the student be able to function appropriately in highly stressful situations.

A physical examination and proof of immunization must be submitted prior to beginning the program. Students must be certified in cardiopulmonary resuscitation (CPR) at the Health Care Provider level as designated by the American Heart Association. A copy of a current CPR card must be submitted to the student's instructor prior to attending clinical.

Students are required to undergo a criminal background check prior to enrolling in the program and to a drug screen prior to beginning clinical experiences. The criminal background check is conducted once the student has been deemed eligible to enter the program but prior to admission. Therefore, if a student does not pass the criminal background check, the student will not be admitted to the program and will not have incurred the expenses associated with enrollment. The drug screen will be conducted after the student has been accepted to the program. Results of this screen will be reviewed and verification to determine that a student is eligible to attend clinical

rotations. The student is responsible for all charges incurred for these screenings and will pay this fee upon registration for the program. Students are responsible for their own transportation arrangements to campus and to their assigned health care facilities for clinical experiences.

Acceptance into the Radiological Technology Program is accomplished by way of a competitive selection process based on a points system composed of:

- grade point average of academic support courses in the curriculum
- number of academic support courses completed
- grades in Anatomy and Physiology I and II.

Students will be admitted to the program during the fall semester of each year.

Admission Requirements to the Radiological Technology Program

Steps:

1. Apply and gain admission to North Central Texas College. Applicant must have earned either a high school diploma or a General Education Development (GED) certificate in addition to complying with the Texas Success Initiative requirements.
2. Attend a Radiological Technology information session. Please contact the Radiology Department for a schedule of these information sessions.
3. Complete the four prerequisite courses. These courses include:
 - a. BIOL2401 Anatomy and Physiology I
 - b. BIOL2402 Anatomy and Physiology II
 - c. MATH1314 College Algebra
 - d. ENGL1301 Composition I

Admission Points will be awarded as follows:

Points	For GPA in academic support courses in the curriculum:
3	4.0
2	3.5
1	3.0

4. Early completion of all academic support courses enhances progression in the radiology program. The academic support courses can be taken at any time prior to admission into the program but must be completed in the

semester in which they are listed in the curriculum. Course work completed with a “C” or better prior to admission will result in:

Admission Points as follows:

Points	For completion of:
3	23 hours
2	17 hours
1	8 hours

It is strongly advised that students complete as many non-radiology courses as possible before beginning the Radiological Technology program.

5. **Admission Points** are awarded for performance in the two biology prerequisite courses.

- a. For BIOL2401 Anatomy and Physiology I, admission points are awarded as follows:

Points	For a grade of:
3	A
2	B
1	C

- b. For BIOL2402 Anatomy and Physiology II, admission points are awarded as follows:

Points	For a grade of:
3	A
2	B
1	C

6. Submission of a Letter of Intent to enroll in the Radiological Technology program during May 1 to June 1 of each year. There is no waiting list held over from year to year.

Selection Process:

Applicants are selected for acceptance according to the following ranking process:

1. Total admission points are used to rank applicants from highest to lowest.
2. When two or more applicants have the same GPA in academic support courses, the highest total of credit hours in academic support courses is used to break the tie.
3. When two or more applicants have the same GPA in academic support courses and the same total credit hours of academic support courses, an entrance exam will be administered to break a tie.

The following courses must be completed prior to enrollment in the Radiological Technology courses:

Prerequisites	Credit Hours
BIOL2401 Anatomy & Physiology I	4
BIOL2402 Anatomy & Physiology II	4
ENGL1301 Composition I	3
MATH1314 College Algebra	3
Total Hours	14

FIRST YEAR

First Semester	Credit Hours
SPCH1315 Public Speaking	3
RADR1301 Intro to Radiography	3
RADR1311 Basic Radiographic Procedures.....	3
RADR1303 Patient Care.....	3
RADR1160 Clinical I.....	1
Total Hours	13

Second Semester	Credit Hours
RADR1213 Principles of Radiology	2
RADR2401 Intermediate Radiography Procedures	4
RADR2313 Radiation Biology and Protection...	3
RADR1361 Clinical II	3
Total Hours	12

Summer III Semester	Credit Hours
RADR1362 Clinical III	3
RADR2309 Radiographic Imaging Equipment..	3
Total Hours	6

SECOND YEAR

First Semester	Credit Hours
RADR2305 Principles of Radiology II	3
RADR2217 Radiographic Pathology.....	2
RADR2236 Special Patient Applications.....	2
RADR2461 Clinical IV	4
PSYC2301 General Psychology.....	3
Total Hours	14

Second Semester	Credit Hours
RADR2333 Advanced Medical Imaging	3
RADR2335 Radiographic Tech Seminar	3
RADR2452 Clinical V	4
Humanities/Visual & Performing Arts Elective ..	3
Total Hours	13

GRAND TOTAL HOURS 72

SURGICAL TECHNOLOGY (Certificate)

Corinth Campus

The Surgical Technology program is a one-year certificate program that prepares the student to assume the responsibilities of a Surgical Technologist. Surgical Technologists participate in all aspects of preparing and monitoring instruments and procedures in the sterile operating room environment. The courses are taught in the classroom, the Surgical Technology lab, and at clinical sites throughout the NCTC service area.

The program is nationally accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 35 East Wacker Drive, Suite 1970, Chicago, IL 60601, oversight of which is by the Accreditation Review Committee on Education in Surgical Technology, 7108-C South Alton Way, Englewood, CO 80112-2106, phone (303)694-9262.

Surgical Technologists may obtain voluntary professional certification from the National Board of Surgical Technology and Surgical Assisting (NBSTSA) by graduating from a CAAHEP-accredited program and passing a national certification examination. They may then use the designation Certified Surgical Technologist, or CST.

The NCTC Surgical Technology program runs August to August and can only take 24 students a year. There are no prerequisites. As a certificate type program, taking the THEA is not required.

There are only 2 courses that may be taken in advance. One of them is Medical Terminology (SRGT 1201) which is on-line only and only offered in the summer (in a 10-week session) and in the fall (in a 16-week session). The other course that may be taken in advance is Anatomy and Physiology. There are two types and the Surgical Technology Program will accept either one. Anatomy and Physiology (A & P) for Allied Health (VNSG 1420) is a one semester course and is not transferable for college credit as a science. It is only good for Surgical Technology, LVN and EMS programs. Since it is for certificate programs, regular college entrance tests are not required to take it. The other A & P (BIOL 2401 and 2402) must be taken in order and both semesters are required if one chooses that A & P. It does count as college credit for those who pursue a college degree but requires that one take and pass the THEA college entrance test or have previously attended college before registering for

it. Whichever A & P course one chooses, it must be completed by the end of the first semester with a passing grade of at least a “C” or the student will not be allowed to continue in the program.

Criminal background checks and drug screens will be conducted on all students and may disqualify individuals from the program. Documentation of immunizations and Hepatitis B vaccines according to CDC guidelines is required. Healthcare Provider CPR certification is required. A physical exam by private physician is required. Documentation of personal health insurance is required. Attendance at class and clinicals is required. NCTC Allied Health programs have a non-tobacco policy.

Program Costs:

Cost of the Surgical Technology program is figured the same as degree seeking students. However, the Surgical Technology student can expect to pay additional costs for being in a Health Science Program, such as uniform costs, laboratory fees, physical, immunizations, health insurance, background checks, drug screening and CPR training. Textbooks for the course are purchased in the first semester of study for the entire program, and they are estimated at \$500.00. Estimated costs for the program is \$3800.00.

Admission Process:

1. Register for and attend a Surgical Technology Program advisement session. These are held in the spring at a variety of times on the NCTC Corinth Campus. The schedule is on the NCTC website: http://www.nctc.edu/What_We_Teach/AppSci/Surg-Tech/surgtech.html and registration can be done via e-mail or phone.

2. At the advisement session, apply to the Surgical Technology program and receive permission to take the LVN Nurse Entrance Test (NET). Pay for the test at the NCTC Business Office and take the receipt to the test site on the test date.

3. Complete the admission process into North Central Texas College. The applicant must have earned either a high school diploma or a GED (General Equivalency Diploma). If one has attended college before, official transcripts from each college attended are required. If one has not attended college before, high school transcripts or GED scores are required. Other requirements may apply to international students.

4. Contact the Financial Aid Department and

fill out a FAFSA form if needed.

5. Site for the Nurse Entrance Test (NET) on the designated date.

6. Admission is offered in rank order of the NET composite scores. The program attempts to start with 24 students, but no alternates are admitted after the course begins.

The following are required for certification:

First Semester	Credit Hours
SRGT1201 Medical Terminology	2
VNSG1420 Anatomy & Physiology for Allied Health.....	4
SRGT1505 Intro to Surgical Technology	5
SRGT1509 Fundamentals of Perioperative Concepts and Techniques.....	5
SRGT1261 Clinical – Surgical/Operating Room Technician (Introductory)....	2
	Total Hours 18

Second Semester	Credit Hours
SRGT1441 Surgical Procedures I	4
SRGT 1442 Surgical Procedures II.....	4
SRGT 1661 Clinical – Surgical/Operating Room Technician (Intermediate)....	6
	Total Hours 14

Third Semester	Credit Hours
SRGT1662* Clinical – Surgical/Operating Room Technician (Advanced).....	6
	Total Hours 6
	GRAND TOTAL HOURS 38

**SRGT1662 Will constitute the capstone experience.*

**VOCATIONAL (LVN)
NURSING PROGRAM (Certificate)**

The Vocational Nursing program is fully approved by the Texas Board of Nursing (BON) and is a certificate program. This program is designed to prepare entry-level practitioners to provide direct care to patients of all age groups under the supervision of a registered nurse or licensed physician. Emphasis is placed upon the ability to make sound judgements based on the knowledge of scientific principles and the ability to utilize technical skills in a variety of settings.

Classes are admitted in the fall semester on the Gainesville, Corinth and Bowie campuses and in the spring semester on Gainesville Campus. The program is 12 months in length. Upon successful completion of the program, the student will be awarded a certificate of completion and is eligible to make application to write the National Council Licensing Examination - Practical Nurse (NCLEX-PN).

Students admitted to the online e-campus are enrolled in the spring semester. The online curriculum is identical to the one taken by students in the traditional classroom; however, e-campus students will have clinical experiences assigned on weekends. The students accepted to the e-campus will complete the curriculum in 12 months, will be awarded a certificate of completion, and will be eligible to make application to write the NCLEX-PN.

Classroom and online instruction is correlated with clinical practice where students apply the theory and skills of nursing in giving direct care to patients. Clinical experiences are offered in a variety of settings such as day care centers, hospitals, physician's office and nursing homes. Graduates successfully completing the program demonstrate the following program learning outcomes:

Act As A Provider of Care To:

- Assist in determining health status needs
- Assist in formulating goals/outcomes
- Implement plan of care within parameters of scope of education and collaboration
- Implement teaching plans for clients with common health problems
- Assist in evaluating clients responses and outcomes
- Provide direct care to clients in structured settings
- Use problem solving approach for decision making

Act As A Coordinator of Care To:

- Assist in coordinating resources for provision of care
- Collaborate with clients and health care team members
- Participate in identification of need for community resources
- Participate in support of structured

health care settings

Act As A Member of A Profession To:

- Demonstrate accountability for own nursing practice
- Participate as an advocate for improving the health care team
- Demonstrate behaviors that promote vocational nursing

Licensure of Persons With Mental Illness, Substance Abuse, or Criminal Background Histories

Any student who has a history of mental illness or substance abuse or who has been convicted of a felony must file paperwork with the Board of Nursing (BON) **BEFORE** entering the Vocational Nursing Program. BNE regulations stipulate that a person convicted of a felony may not be permitted to take the state licensing exam. *Don't spend your time and money in school and then discover you cannot take the exam. Check it out beforehand.* Any student who has ever been arrested for anything other than a minor traffic violation will need to submit a Petition for Declaratory Order of Eligibility (DOE) to the BNE and pay the required \$189 fee. The DOE process takes a minimum of three to six months to complete. Contact the program coordinator for more information.

Criminal background checks will be completed on all applicants accepted to the program. The following histories will **disqualify** an individual from consideration for clinical rotations:

- Felony convictions
- Misdemeanor convictions or felony deferred adjudications involving crimes against persons (physical or sexual abuse, etc.)
- Misdemeanor convictions related to moral turpitude (prostitution, public lewdness/exposure, etc.)
- Felony deferred adjudications for the sale, possession, distribution, or transfer of narcotics or controlled substances
- Registered sex offenders

Admission

Students seeking admission to the Vocational Nursing program must first apply for and be accepted for admission to North Central Texas College. Faculty will advise students of special admission requirements for the Vocational Nursing program.

The admissions process (see page 21 for additional information) requires that a student complete an Admissions Packet which contains an Application for Admission to NCTC and an application to the Vocational Nursing program. In addition, the student must submit an official high school transcript, notarized home school academic record or documentary proof of GED certification. The completed Admissions Packet is submitted to the Admissions Office for processing and then forwarded to the Vocational Nursing Program Coordinator.

Being granted admission to the College does not guarantee admission to the Vocational Nursing program. Before admission to the program will be considered—on a space-available basis—applicants must attend an advisement session, take the Nurse Entrance Test (NET) and achieve satisfactory scores. The testing and advisement sessions are conducted on selected dates during the school year. To receive an Admissions Packet containing these dates and additional information on how to gain admission to the College and enroll in the program, contact the Vocational Nursing office at 940-668-4291.

Admission criteria have been established, and enrollment is limited. Acceptance is based upon the applicant's performance on pre-admission testing. All students completing the admissions process will be notified of their status by the Director of Admissions and the Vocational Nursing Program Coordinator. Students accepted into the program will be sent physical exam, immunization and recommendation forms. All students accepted to the Vocational Nursing Program will complete a drug screening and criminal background check.

Advanced Placement

Students who have been enrolled in other nursing programs may be eligible for advanced placement into the second semester of the NCTC Vocational Nursing Program. Students seeking advanced placement must make a formal application to the Vocational Nursing Program, including copies of all transcripts from prior nursing programs, and make an appointment for an interview with the program director.

Progression Criteria

Students must make a "C" or better in all classroom clinical courses to progress within the Vocational Nursing program. Students not meeting this standard will be unable to continue in the program; however, they may be readmitted one

time, if qualified, on a space-available basis.

Readmission: Any student who has an interruption in the normal progression of his/her nursing studies, whether by failure or withdrawal, may apply for readmission to the Vocational Nursing Department Director. In order for an application for readmission to be considered, it must be reviewed by the Vocational Nursing program faculty; therefore, it should be submitted 2-3 months prior to the desired starting date.

A completed application for readmission must include: (1) a new application, (2) a current transcript and (3) a written request identifying the reason(s) the program was interrupted and actions taken to ensure success if readmission is granted. Readmission may include stipulations such as requiring that the student repeat and pass (C or higher) courses and clinicals they had previously taken and passed with a C or higher. When a course is repeated, the most recent grade will determine progression in the Program. Faculty might also require that applicants for readmission follow and complete the admission process in effect for first time applicants.

Grading Policy

Grades in classroom work are based on numerical averages, with corresponding letter grades assigned, providing all required assignments have been satisfactorily completed. Students must make at least a "C" in each theory course, including Anatomy and Physiology courses, and in each clinical practicum in order to progress within the program. The point system used within the Vocational Nursing Program is:

A = 90–100% • B = 80–89% • C = 75–79%
D = 66–74% • F = 0–65%

Program Cost

Basic tuition and fees for nursing students are figured just as they are for all other students; however, due to the special nature of the program, students will have some additional costs that they should be aware of:

Laboratory fees will be charged for all courses requiring a lab (in addition to the classroom lecture). For VN students, a lab fee of \$24 will be charged for each course designed as a "clinical" and for the "skills" course.

Fees in addition to lab fees will be due at the

time of course registration for such things as supplies, standardized tests, malpractice insurance, urine drug screening and criminal background check. These fees may vary from year to year but specific information can be obtained from the Vocational Nursing Office.

Nursing textbooks are highly specialized medical books and can be expensive—as much as \$500 for the program. You’ll buy most of your nursing books during the first two semesters; therefore, book costs will be considerably less in later semesters. (Also, most of your nursing books you’ll keep for reference from now on).

For students not yet officially admitted to the VN program and who may be taking general education courses, textbook costs will vary according to which particular courses are taken, but, on average, plan to spend about \$30 per semester hour for books. The approximate cost of the Vocational Nursing Program is \$5,500.

Supplies and Incidentals

Once admitted to the Program, VN students will need to buy school clinical uniforms (plus patches and name pin), a lab coat, shoes, and a stethoscope. A good wristwatch with a second hand is also needed. Also, the student will need normal school supplies, and other costs will include such items as state board fees and school pin. Some of these expenses will not be incurred until the latter part of the program.

Health Insurance

Students will need to show proof of Major Medical Insurance or Accidental Injury Medical Insurance before going to clinical agencies.

VOCATIONAL NURSING CURRICULUM (Certificate)

The following are required for certification.

FALL ADMISSION - Fall Semester (16 weeks)

Level I	Credit Hours
VNSG1420 Anatomy and Physiology for Allied Health*†	4
VNSG1323 Basic Nursing Skills	3
VNSG1400 Nursing in Health and Illness I	4
VNSG1227 Essential of Medication Admin.	2
VNSG1360 Clinical I.....	3
Total Hours 16	

Spring Semester (16 weeks)

Level II	Credit Hours
VNSG1509 Nursing in Health and Illness II.....	5
VNSG1331 Pharmacology	3
VNSG1230 Maternal-Neonatal Nursing	2
VNSG1234 Pediatrics	2
VNSG1463 Clinical II – Fall Admission.....	4
Total Hours 16	

Summer Semester (10 weeks)

Level III	Credit Hours
VNSG1510 Nursing in Health and Illness III	5
VNSG1219 Professional Development	2
*VNSG2360 Clinical III – Fall Admission	3
Total Hours 10	
GRAND TOTAL HOURS 42	

**VNSG2360 will constitute the capstone experience.*

SPRING ADMISSION

Spring Semester (16 weeks)

Level I	Credit Hours
VNSG1420 Anatomy & Physiology for Allied Health*†	4
VNSG1323 Basic Nursing Skills	3
VNSG1400 Nursing in Health and Illness I.....	4
VNSG1227 Essentials of Medication Admin.	2
VNSG1360 Clinical I.....	3
Total Hours 16	

Summer Semester (10 weeks)

Level II	Credit Hours
VNSG1509 Nursing in Health and Illness II.....	5
VNSG1331 Pharmacology	3
VNSG1363 Clinical II – Spring Admission	3
Total Hours 11	

Fall Semester (16 weeks)

Level III	Credit Hours
VNSG1230 Maternal-Neonatal Nursing	2
VNSG1234 Pediatrics	2
VNSG1510 Nursing in Health and Illness III	5
VNSG1219 Professional Development	2
*VNSG2460 Clinical III – Spring Admission	4
Total Hours 15	
GRAND TOTAL HOURS 42	

**VNSG2460 will constitute the capstone experience.*

**VNSG1420 may be taken before admission to the program, but no later than the first semester after admission.*

†BIOL2401 and BIOL2402 (Anatomy and Physiology I and II) may be substituted for VNSG1420. Both semesters of Anatomy and Physiology must be taken for credit to be given.

