

NORTH DAKOTA STATE COLLEGE OF SCIENCE

PARAMEDIC TECHNOLOGY

Program Information and Admission Process Booklet



NDSCS.edu/Paramedic



Dear Paramedic Applicant:

Thank you for your interest in the Emergency Medical Services (EMS) Program offered at NDSCS in conjunction with Sanford Health EMS Education (SHEMSE). Emergency Medical Services is an ever-expanding field in the allied health careers. With additional certifications in Critical Care Paramedic, Flight Paramedic and recently Community Paramedic, becoming a Nationally Registered Paramedic is your first step in an exciting career field.

The NDSCS/SHEMSE program is a two-year program for those new to the industry. The first year students are considered pre-paramedic while they complete program requirements needed to start year two. Once a student has completed the requirements to enter into the second year, they will be asked to complete a supplemental application form found on the NDSCS website. The second year of the program has limited enrollment. Students will be accepted into the second year of the program based on completion of year two prerequisites. For those students already working in EMS looking for advanced placement into year two, please see page 4 for list of prerequisites.

Once students start the EMS program, they will be required to complete a background check. Students with any questions about past history should reference the conviction policy in this booklet and contact the program director prior to the start of the program. Students are also required to get specific immunizations in order to attend practicums. All internship sites require immunizations and have the right to refuse any student that does not have current immunizations.

In order to secure your place in the program, it is highly recommended to have all documentation and forms completed and turned in by **July 1st**. Any questions, please call 701-364-1737.

Best Regards,



Thomas Dobrzynski
Paramedic Program Director
NDSCS / Sanford Health EMS Education
701-364-1737
Thomas.Dobrzynski@ndscs.edu

SUGGESTED COURSE SEQUENCE

FIRST YEAR

Prefix	Course Title	Credits	Prefix	Course Title	Credits
FYE 101	Science of Success	1		Social and Behavioral Science Electives	5
BIOL 220	Anatomy and Physiology I	3		ECON, HIST, POLS, PSYC, SOC, or CIS/CSCI	
BIOL 220L	Anatomy and Physiology I Lab	1		<i>(Note: Maximum of two CIS/CSCI credits may be used for this category)</i>	
BIOL 221	Anatomy and Physiology II	3		Recommended Courses:	
BIOL 221L	Anatomy and Physiology II Lab	1		• PSYC 250 Developmental Physiology	
Wellness Elective		2		• PSYC 270 Abnormal Physiology	
	<i>See college catalog for approved wellness classes.</i>		EMS 101	Introduction into EMS	2
ENGL 110	College Composition I	3	EMS 110	EMT Fundamentals	2
ENG/COMM Elective		3	EMS 110L	EMT Fundamentals Lab	1
	Technical Communications		EMS 110P	EMT Practicum	1
	College Composition II			First Year Optional	
	Fundamentals of Public Speaking		EMS 170	Trauma I	2
			EMS 180	Pharmacology I	1

SECOND YEAR FALL SEMESTER

Prefix	Course Title	Credits	Prefix	Course Title	Credits
FYE 101*	Science of Success	1	EMS 215	Cardiology	4
BIOL 221*	Anatomy and Physiology II	3	EMS 217	Pulmonology	3
BIOL 221L*	Anatomy and Physiology II Lab	1	EMS 231	Paramedic Skills Lab	2
EMS 101*	Introduction into EMS	2	EMS 234	Paramedic Assessment Lab	
EMS 180*	Pharmacology I	1		or EMS 150L AEMT Fundamentals Lab	1
EMS 203	Pharmacology II	2	EMS 241	Advanced Practicum I	2
EMS 204	Medical Emergencies I	2			

SECOND YEAR SPRING SEMESTER

Prefix	Course Title	Credits	Prefix	Course Title	Credits
Wellness Elective*		1-2	EMS 218	Cardio-Pulmonology	1
	<i>See college catalog for approved wellness classes.</i>		EMS 219	Trauma II	1
EMS 170*	Trauma I	2	EMS 232	Paramedic Simulation Lab	2
EMS 205	Medical Emergencies II	2	EMS 242	Advanced Practicum II	4
EMS 207	Special Populations	2	EMS 255	Leadership in EMS	2

SECOND YEAR SUMMER SEMESTER

Prefix	Course Title	Credits
EMS 233	Advanced Life Support Lab	3
EMS 243	Capstone in Paramedicine	3

*Students will be required to complete the marked courses if not completed within the first year.



PREREQUISITES FOR YEAR TWO

Year two of the paramedic program starts in the fall semester each year. The following are the minimum requirements to be eligible for the second year of the program. For those students who have already completed an EMT/AEMT certification, the following must be completed prior to the fall semester of the year you wish to start. Students may need to apply for an earlier semester to complete all prerequisites prior to the fall semester.

- Submit the supplemental application form on the NDSCS website.
- Hold a current state or National Registry of Emergency Medical Technicians (NREMT®) EMT (Emergency Medical Technician) or AEMT (Advanced Emergency Medical Technician) certification.
- Submit official ACT and/or Placement testing results to NDSCS Office of Admission. Results must meet criteria to enroll in English 110 (College Composition I) and

MATH 103 (College Algebra) fall semester OR submit an official college transcript with ENGL 110 and MATH 103 completed with a “C” or higher.

- Complete BIOL 220 (Anatomy and Physiology I) and BIOL 220L (Anatomy and Physiology I Lab) within the past 10 years with a “C” or higher.
- Review the technical standards of the program.
- Complete a formal interview with EMS program faculty to discuss the internship shifts as well as expectations of the program.

Acceptance to the second year of the paramedic program will be based on completion of year-two prerequisites until program capacity is reached.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

REQUIREMENTS

Program Handbook and Lab/Clinical

For more information on specific program policies and requirements, visit <http://emseducation.mrooms.org>. All program policies can be found in the EMS Student Handbook in the LINKS box on the right side of the page. For more information on program laboratory and clinical requirements, reference Paramedic Skills Requirements in the LINKS box.

Technology

The Emergency Medical Services Programs rely heavily on technology throughout the duration of the program. For those attending lectures via web conferencing, it is also necessary to have high speed internet with access for the system to go through a local firewall. Tablets or mobile devices are also used in the collection of skills performed in the laboratory and clinical settings. Please review the following.

- Laptop or computer (preferably a newer model) able to use PowerPoint and Microsoft Word
- Tablet or mobile device
- High speed internet

For those looking to purchase a computer, NDSCS offers a HP ProBook 650 and has a service plan included with it. Please go to NDSCS.edu/ITS under **Laptop Specifications** for more information.

Immunizations/Vaccinations/Clinical

Throughout the EMS program, students will be working with patients in the clinical and field sites associated with the program. For patient safety, these sites have the right to refuse students that do not comply with their safety measures, including but not limited to immunization requirements.

Students must provide proof of (or immunity by positive antibody titer) to the following:

- Measles
- Mumps
- Rubella
- Varicella
- Hepatitis B
- TB skin test (2 step)
- Tetanus/Diphtheria/Pertussis (Tdap)
- Influenza (current season)

**Additional immunizations may be required based on specific site requirements.*

PROGRAM GOALS

It shall be the purpose of this program and the EMS Technologies of Sanford Health EMS Education (SHEMSE) in coordination with North Dakota State College of Science (NDSCS), to educate and train EMS students with the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains required for entry-level competency at the level (EMR, EMT, AEMT, Paramedic) in which the EMS student is enrolled.

TECHNICAL STANDARDS

All students for NDSCS/SHEMSE EMS Program must possess essential skills and abilities necessary to complete the college curriculum successfully, either with or without reasonable accommodations for any disabilities the individual may have. Students must be able to meet the standards as follows:

Gross Motor Skills: Move within confined spaces; sit and maintain balance; stand and maintain balance; reach above shoulders; reach below waist (plug-ins).

Fine Motor Skills: Pick up objects with hands; grasp small objects with hands; write with pen or pencil; key/type (use a computer); pinch, pick, or otherwise work with fingers; twist (turn knobs with hands); squeeze with fingers.

Physical Endurance: Stand (at patient side during procedure); sustain repetitive movements (CPR); maintain physical tolerance (work entire shift).

Physical Strength: Physically push and pull 25 pounds (position patients); support 25 pounds of weight (ambulance patient); lift 25 pounds (transfer patient); move light objects up to 10 pounds; move heavy objects weighing from 10 to 50 pounds; move patients weighing in excess of 50 pounds with assistance; defend self against combative patient; carry equipment/supplies; use upper body strength (CPR, restrain a patient); squeeze with hands (fire extinguisher).

Mobility: Twist; bend; stop; squat; move quickly; climb (ladders, stools, stairs); walk.

Hearing: Hear normal speaking level sounds; hear faint voices; hear faint body noises (BP); hear in situations not able to see lips (when using masks); hear auditory alarms.

Sight: See objects up to 20 inches away; see objects up to 20 feet away; see objects more than 20 feet away; use depth perception; use peripheral vision; distinguish color; distinguish color intensity.

Touch: Feel vibrations (pulses); detect temperature; feel differences in surface characteristics (skin turgor); feel differences in sizes; shapes; detect environmental temperature.

Smell: Detect odors from patient; detect smoke; detect gases or noxious smells.

Literacy: Read and understand written documents; recognize, understand, and interpret instructional materials required during medical education.

Arithmetic Competence: Read and understand columns of writing (flow sheets); read digital displays; read graphic printouts (monitors); calibrate equipment; convert numbers to/from metric; read graphs; tell time; measure time (duration); count rates (pulse rate); use measuring tools (thermometer); read measurement marks (scales); add, subtract, multiply, divide; compute fractions (medication dosages); use a calculator; write numbers in records.

Emotional Stability: Establish therapeutic boundaries; provide patient with emotional support; adapt to changing environment/stress; deal with unexpected (crisis); focus attention on task; monitor own emotions; perform multiple responsibilities concurrently; handle strong emotions (grief).

Analytical Thinking Skills: Transfer knowledge from one situation to another; process information; evaluate outcomes; problem-solve; prioritize tasks; use long-term memory; use short-term memory.

Critical Thinking Skills: Identify cause-effect relationships; plan/control activities for others; synthesize knowledge and skills; sequence information.

Interpersonal Skills: Negotiate interpersonal conflict; respect differences in patients; establish rapport with patients; establish rapport with co-workers.

Communication Skills: Explain procedures; give oral reports; interact with others; speak on the telephone and/or radio; influence people; direct activities of others; convey information through writing (progress notes).

Time Management Skills: Perform all of the above skills within a timeframe that is appropriate for an emergency medical setting.

All applicants accepted to the NDSCS/SHEMSE EMS Program must be able to meet the program's technical standards. The purpose of the program is to graduate students who will become entry-level competent EMS providers. As a limited enrollment program, applicants who, due to disability, will not be able to perform the functions of an entry-level EMS provider may not be admitted to the program.

The NDSCS/SHEMSE EMS program is prepared to provide reasonable accommodations to students who are accepted by the program and who have physical and/or learning disabilities (e.g., mobility impairments, chronic illnesses, dyslexia, and other learning disabilities). The program will review the information in order to determine whether a reasonable accommodation can be made. The program reserves the right to reject any requests for accommodation that, in its judgment, would involve the use of an intermediary that would require a student to rely on someone else's power of selection and observation, fundamentally alter the nature of the program, lower academic standards, cause an undue hardship on the program, or could adversely affect patient care or endanger the safety of patients or others.



APPLICATION CHECKLIST

Complete the NDSCS Application for Admission if the applicant has not attended NDSCS, or complete a re-application if the applicant has previously attended or is a past graduate at NDSCS.

- **New Student/Transfer Student:** Application
- **Current Student or Continuing Student:** Change of Program
- **Returning Student:** Application

The online application can be found at [NDSCS.edu/Apply](https://ndscs.edu/Apply).

**Information about transcripts can be found at [NDSCS.edu/Apply](https://ndscs.edu/Apply).*

High School Transcript

An in-progress transcript must be sent to make an admission decision. An official high school transcript with final grades and a graduation date is required upon completion of high school. Transfer students who have earned an Associate or higher degree do not need to submit high school transcripts.

College Transcript(s)

Transfer students, and students taking course work at colleges or universities while enrolled in high school, must submit official in-progress transcripts. Final college transcripts must be submitted once all course work is completed.

If you previously attended a North Dakota University System institution, we will automatically retrieve your transcript provided you do not have a hold that prevents your transcript from being released.

*To be considered official, all transcripts must arrive at NDSCS directly from the issuing institution.

NDSCS accepts electronic transcripts from services such as eTranscript, Parchment, Naviance, National Student Clearinghouse, and Docufide. If those services are not available, send official transcripts to:

NDSCS Office of Admission
800 6th Street North
Wahpeton, ND 58076

Once transcripts have been submitted to the college, the applicant should request a transcript review.

Submit Test Scores

Approved exams include the ACT, SAT and ACCUPLACER. ACT and SAT scores are valid for five years, and ACCUPLACER scores are valid for 3 years. If your test scores are outdated, you've never taken a placement test, or you do not have any college-level transfer credit in English or math, ACCUPLACER testing may be required.

Students with ACT scores below those required or who have not taken an ACT test may take the ACCUPLACER assessment to determine correct course placement. ACCUPLACER is an online testing program administered at approved test sites around the United States. NDSCS is an approved test site.

To schedule an ACCUPLACER test, contact the NDSCS Wahpeton Test Center at 701-671-2256 or Karen.Dahlgren@ndscs.edu or contact the NDSCS-Fargo Test Center at 701-231-6900 or NDSCS.FargoTest@ndscs.edu.

Submit Proof of Immunization for College Acceptance (Not Program)

The North Dakota State Board of Higher Education requires students to provide:

- Proof of two MMR immunizations (Measles, Mumps and Rubella) before being accepted into North Dakota colleges. A titer for MMR immunity can also be used for this requirement.
- All students ages 21 and younger must provide documentation of vaccination against Meningococcal Disease (Meningitis) given after age 16.
- TB testing is required of International students from all countries except those classified by U.S. health officials as "low risk for tuberculosis."

These records can be obtained from your clinic, county health department or your home state immunizations database.

- North Dakota Residents: www.ndhealth.gov/Immunize/Public/ImmRecord
- Minnesota Residents: www.health.state.mn.us/divs/idepc/immunize/registry/immrecords

Send immunization records to the NDSCS Office of Admission by email or fax.

Email: NDSCS.Admissions@ndscs.edu

Fax: 701-671-2648

For those students having completed year one of the paramedic program or those students looking for advanced placement into year two of the paramedic program.

Supplemental Application Form

The supplemental application form can be found at [NDSCS.edu/Paramedic](https://www.ndscs.edu/Paramedic).

Submit EMT/AEMT certification

Students must submit a current state or National Registry of Emergency Medical Technicians (NREMT®) EMT (Emergency Medical Technician) or AEMT (Advanced Emergency Medical Technician) certification. Certification must be valid through the start of the Fall Semester.

Submit all certifications to:

NDSCS.Admissions@ndscs.edu.

Schedule Program Interview

Interviews for year two of the paramedic program will begin after May 1st of each year. Once students have completed all prerequisites for the second year of the program, they should schedule an interview with the program director by emailing Thomas.Dobrzynski@ndscs.edu. Please ensure the following is complete prior to your interview.

- Completion of supplemental application form.
- Hold a current state or National Registry of Emergency Medical Technicians (NREMT®) EMT (Emergency Medical Technician) or AEMT (Advanced Emergency Medical Technician) certification.
- Submit official ACT and/or Placement testing results to NDSCS Office of Admission. Results must meet criteria to enroll in English 110 (College Composition I) and MATH 103 (College Algebra) fall semester OR submit an official college transcript with ENGL 110 and MATH 103 completed with a "C" or higher.
- Completion of BIOL 220 (Anatomy and Physiology I) and BIOL 220L (Anatomy and Physiology I Lab) within the past 10 years with a "C" or higher.
- Ability to meet the technical standards of the program.

CONVICTION POLICY

Sanford Health EMS Education(SHEMSE)/North Dakota State College of Science (NDSCS) has adopted a Criminal Conviction Policy to safeguard the public from any individual, who as a healthcare provider student, may pose a risk to patients or clients.

Although healthcare students are supervised while in clinical practice, opportunities still remain where students would be able to isolate themselves from the direct view of a preceptor and pose a potential risk to the general public. As a healthcare educational institution, it is our duty to minimize the exposure to this potential harm. In addition, we need to be able to advise potential students of the possible complications they could face in gaining licensure or gainful employment with a criminal conviction.

For these reasons, the following criminal convictions will be automatic grounds for non-acceptance into the Emergency Medical Services (EMS) Programs:

- A medical regulatory board (or equivalent) action removing the applicant's license or certification to practice at any level in any state; or
- Any conviction of physical or domestic assault/abuse; or
- Any felony level conviction of theft; or
- Any conviction of criminal sexual conduct; or
- Felony level narcotics convictions.

Additionally, any felony or gross misdemeanor criminal conviction not covered in the list above may exclude candidates from acceptance into the program.

Any candidate rejected on these grounds may appeal by submitting a written narrative including the following details:

- All court records of the conviction; and
- Any parole or probation reports; and
- Any supporting documents; and
- A detailed explanation supporting the candidate's appeal.

This documentation will be presented to an EMS Education Program Review Board for consideration. The Board may ask for additional information or verbal testimony before rendering a ruling. All ruling will be made within 30 days of submission of documentation and will be final.



ALLIED HEALTH APPLICANT ENGLISH LANGUAGE LEARNERS (ELL) PLACEMENT

English proficiency is required for success as a student in an NDSCS Allied Health Program, and also as an employee in the healthcare field.

Applicants that have not completed 4 years of U.S. high school, must take the English language proficiency exam(s) (listed below) and achieve the benchmark score(s) to apply to this program.

- MELAB (includes Grammar, Reading/Comprehension, Vocabulary and Writing)
- CaMLA (includes Pronunciation Assessment)

If applicant achieves the benchmark score (in all categories), the selection process to the program can continue. If the benchmark is not achieved (in any category), the applicant cannot continue the selection process. It is then recommended that the applicant complete the ELL Program of Study and retest to meet the benchmark scores. If the scores are met, the applicant can apply for the next available selection process to the program.

To schedule the English language proficiency exam (MELAB and CaMLA) contact:

Carol Bishop
 Coordinator Intensive English Language Program
 North Dakota State University
 Fargo, ND
 701-231-8850
 Carol.Bishop@ndsu.edu

Cost: \$7.00

Request test results be sent to:

AlliedHealthCareers@ndscs.edu

MELAB Benchmark Scores		
Michigan Score	Writing Score	Placement
Below 80	Below 85	Recommend completion of ELL Program of Study and retest to continue selection process
80+	85+	Applicant can continue selection process to Allied Health Program
CaMLA Scores (Pronunciation Test)		
14 or Below		Recommend completion of specific courses and retest to meet benchmark score to proceed with selection process
15 or Above		Applicant can continue selection process to Allied Health Program (co-requisite courses may be recommended dependent on score)

FREQUENTLY ASKED QUESTIONS

How long is the program?

For the student that is new to EMS, it will typically take two years to attain your paramedic license. Students that are already EMTs and have the prerequisites for the second year can complete the paramedic certificate in three semesters with the final semester being summer.

Is any travel required?

It is the goal of the program to have clinical opportunities for students within a reasonable distance to their home. However, we cannot guarantee local hospitals and ambulance services will be open to paramedic students. This may require students to attend clinicals in Fargo.

Throughout the program, students may have opportunities to complete clinicals in other cities. This gives our students the opportunity to see EMS in action in others parts of the state and sometimes other parts of the country.

I live outside the Fargo-Moorhead community. Can I still complete this program?

NDSCS offers several classes in the traditional face-to-face method as well as online. Within the EMS program, all lectures are also available remotely through web-based video conferencing. Labs and clinicals, however, require face-to-face attendance. For those outside the Fargo-Moorhead community, lab options are available that attempt to reduce the amount of driving.

Is there a weekend lab option?

We do offer weekend labs. These are typically one weekend a month and run Friday through Sunday. An exact schedule for the semester is given to the students prior to the start of the semester.

**This option is dependent on class enrollment.*

What is the class schedule like?

For first year students, the class schedule can vary. Typically, EMS classes are on Tuesday and Thursday evenings. For the second year, the paramedic core classes are taught on Tuesdays and Thursdays during the day.

Clinical and field work is scheduled outside these class times. Clinical opportunities are posted for students to schedule.

How much does the program cost?

The cost of the program can vary based on what students have already completed or the current year's tuition. Please go to [NDSCS.edu/Costs](https://www.ndscs.edu/Costs) for up-to-date information on costs.

Is there financial aid available?

Financial aid is available for this program. Please go to [NDSCS.edu/FinancialAid](https://www.ndscs.edu/FinancialAid) for more information.

Are scholarships available?

Scholarships are available for this program. Please go to [NDSCS.edu/Scholarships](https://www.ndscs.edu/Scholarships) for more information.

What is your NREMT paramedic exam pass rate?

Current pass rates and job placement rates can be found at [NDSCS.edu/Paramedic](https://www.ndscs.edu/Paramedic).

For those students that struggle with testing, we continue to help our students even after they have completed the program to pass the NREMT.

What is your job placement rate?

For those completing the paramedic program, there is nearly 100% job placement. Currently, the industry is growing at a fast rate and there are more and more jobs available. We also participate in an annual Allied Health Career Fair, and employers often visit the class to recruit new employees.



Emergency Medical Services (EMS)

Paramedic Technology (AAS degree)

Contact Information

Thomas Dobrzynski, program coordinator
 tom.dobrzynski@sanfordhealth.org or
 thomas.dobrzynski@ndscs.edu
 701-364-1737 / 701-231-6978

Delivery Methods

Face-to-Face: Fargo
 *Hybrid: Live-video and
 Face-to-Face

The Paramedic Technology program is designed to prepare the student with the necessary skills to complete national certification and obtain employment as a paramedic. Paramedics primarily provide care to emergency patients in an out of hospital setting. Through proper patient assessment and medical care, the paramedic's goal is to prevent and reduce mortality and morbidity due to illness and injury. Paramedics are an essential component of the continuum of care and serve as a link to other health care professionals. Paramedics are responsible and accountable to physician medical direction.

NDSCS offers a certificate program and an Associate in Applied Science degree in Paramedic Technology and is affiliated with F-M Ambulance Service and Sanford Health EMS Education in Fargo. Courses start in the fall of each year. The program length will be three semesters including the summer semester.

Clinical and field internship experiences will be completed concurrently with the classroom schedule. Numerous hospitals and ambulance services across North Dakota, South Dakota, and Minnesota are utilized. Students may need to drive various distances to clinical sites. Additional clinical sites can be added to suit student needs. Specific immunizations and a current American Heart Association Healthcare Provider CPR card will be required before the start of clinicals.

During orientation, students will be required to pay for and complete a background check. A previous misdemeanor or felony can prevent a student from attending clinical sites and completing the program. If you have any concerns about your history, please contact the Paramedic program coordinator.

EMS accreditation was recommended by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP), 8301 Lakeview Parkway Suite 111-312, Rowlett, TX 75088, Phone: 214-703-8445, Fax: 214-703-8992, www.coaemsp.org. Upon completion of the certificate or degree program, students will be eligible to take the NREMT paramedic exams.

NOTE: This program requires a tablet with a 7-inch screen or larger. For further information, please contact the program coordinator.

* Special computer and internet requirements for hybrid delivery, please check with program for specific requirements.

Admission Requirements*

The applicant must be a high school graduate or equivalent and be 18 years of age. Applicants must have the ability to meet technical standards of the program and may be required to complete a basic skills evaluation during the admissions process.

1. Complete the NDSCS Application for Admission if the applicant has not attended NDSCS or complete a re-application if the applicant has previously attended or is a past graduate of NDSCS.
2. Applicants without a United States high school transcript (four years), will be required to complete English language proficiency exam(s) and meet the benchmark score(s) prior to continuing the selection process. Contact the program to schedule the assessments if this applies.
3. Hold a current State or National Registry of Emergency Medical Technicians (NREMT) EMT or AEMT certification. Applicants not holding an EMT/AEMT certification, upon successful completion of EMS101, 110, 110L and 110P with a "C" or higher, can be eligible to apply to test the NREMT EMT exam for certification.
4. Submit official ACT and/or Placement testing results to Enrollment Services. Results must meet criteria to enroll in English 110 and MATH 103 fall semester OR submit an official college transcript with ENGL 110 and MATH 103 completed with a "C" or higher.

Course Code	Course Title	Credits
EMS 101	Introduction into EMS	2
EMS 170	Trauma I	2
EMS 180	Pharmacology I	1
EMS 203	Pharmacology II	2
EMS 204	Medical Emergencies I	2
EMS 205	Medical Emergencies II	2
EMS 207	Special Populations in EMS	2
EMS 215	Cardiology	4
EMS 217	Pulmonology	3
EMS 218	Cardio-pulmonology	1
EMS 219	Trauma II	1
EMS 231	Paramedic Lab I	2
EMS 232	Paramedic Simulation Lab	2
EMS 233	Advanced Life Support Lab	3
EMS 234	Paramedic Assessment Lab	1
or EMS 150L	AEMT Fundamentals Lab (1)	
EMS 241	Advanced Provider Practicum I	2
EMS 242	Advanced Provider Practicum II	4
EMS 243	Capstone in Paramedicine	3
EMS 255	Leadership in EMS	2
EMS/HPER Electives		2

Related/General Education Courses:

BIOL 220	Anatomy and Physiology I	3
BIOL 220L	Anatomy and Physiology I Lab	1
BIOL 221	Anatomy and Physiology II	3
BIOL 221L	Anatomy and Physiology II Lab	1
Wellness Elective		2
FYE 101	Science of Success	1
ENGL 110	College Composition I	3
ENGL/Communication Elective (choose one)		3
ENGL 105	Technical Communications	
ENGL 120	College Composition II	
COMM 110	Fundamentals of Public Speaking	
Social and Behavioral Science Electives		5
ECON, HIST, POLS, PSYC, SOC, or CIS/CSCI Electives.		
(Note: maximum of two CIS/CSCI credits may be used for this category.)		

Total Required Credits for Associate 65

Certificate is also available. Please see separate fact sheet for additional information.

5. Completion of BIOL 220 and BIOL 220L within the past 10 years with a "C" or higher.
6. Applicants will participate in a formal interview process with the Paramedic program faculty to discuss the internship shifts as well as expectations of the program. Interview points will be graded on a rubric.

Class selection process will be determined by the completion of admission requirements and slots will be filled by order of those who have completed all requirements.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

Award

Upon successful completion of the required courses, ("C" or higher) students will be awarded a certificate or an Associate in Applied Science degree in Paramedic Technology.



Emergency Medical Services (EMS)

Paramedic Technology (Certificate)

► **Contact Information**

Thomas Dobrzynski, program coordinator
 tom.dobrzynski@sandfordhealth.org or
 thomas.dobrzynski@ndscs.edu
 701-364-1737 / 701-231-6978

► **Delivery Methods**

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* Special computer and internet requirements for hybrid delivery, please check with program for specific requirements.

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EMS 203	Pharmacology II	2
EMS 204	Medical Emergencies I	2
EMS 205	Medical Emergencies II	2
EMS 207	Special Populations in EMS	2
EMS 215	Cardiology	4
EMS 217	Pulmonology	3
EMS 218	Cardio-pulmonology	1
EMS 219	Trauma II	1
EMS 231	Paramedic Lab I	2
EMS 232	Paramedic Simulation Lab	2
EMS 233	Advanced Life Support Lab	3
EMS 234	Paramedic Assessment Lab	1
or EMS 150L	AEMT Fundamentals Lab (1)	
EMS 241	Advanced Provider Practicum I	2
EMS 242	Advanced Provider Practicum II	4
EMS 243	Capstone in Paramedicine	3

Related/General Education Courses:

*BIOL 221	Anatomy and Physiology II	3
*BIOL 221L	Anatomy and Physiology II Lab	1
	Wellness Elective	1
FYE 101	Science of Success	1

Total Required Credits for Associate **45**

* Program prerequisite: BIOL 220 Anatomy and Physiology I and BIOL 220L Anatomy and Physiology I Lab (See Admission Requirement #5).

An Associate in Applied Science degree is also available. Please see separate fact sheet for additional information.

NOTE: This program requires a tablet with a 7-inch screen or larger. For further information, please contact the program coordinator.

Admission Requirements*

The applicant must be a high school graduate or equivalent and be 18 years of age. Applicants must have the ability to meet technical standards of the program and may be required to complete a basic skills evaluation during the admissions process.

1. Complete the NDSCS Application for Admission if the applicant has not attended NDSCS or complete a re-application if the applicant has previously attended or is a past graduate of NDSCS.
2. Applicants without a United States high school transcript (four years), will be required to complete English language proficiency exam(s) and meet the benchmark score(s) prior to continuing the selection process. Contact the program to schedule the assessments if this applies.
3. Hold a current State or National Registry of Emergency Medical Technicians (NREMT) EMT or AEMT certification. Applicants not holding an EMT/AEMT certification, upon successful completion of EMS101, 110, 110L and 110P with a "C" or higher, can be eligible to apply to test the NREMT EMT exam for certification.
4. Submit official ACT and/or Placement testing results to Enrollment Services. Results must meet criteria to enroll in English 110 and MATH 103 fall semester OR submit an official college transcript with ENGL 110 and MATH 103 completed with a "C" or higher.

5. *Completion of BIOL 220 and BIOL 220L within the past 10 years with a "C" or higher.
6. Applicants will participate in a formal interview process with the Paramedic Program faculty to discuss the internship shifts as well as expectations of the program. Interview points will be graded on a rubric.

Class selection process will be determined by the completion of admission requirements and slots will be filled by order of those who have completed all requirements.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

Award

Upon successful completion of the required courses, ("C" or higher) students will be awarded a certificate or an Associate in Applied Science degree in Paramedic Technology.



NDSCS HEALTH PROGRAMS

- Dental Assisting
- Dental Hygiene
- Health Information Technician
- Medical Coding
- Nursing
 - Practical Nursing (AAS)
 - Registered Nursing (ASN & AAS)
- Occupational Therapy Assistant
- Emergency Medical Services (EMS)
 - Emergency Medical Technician (EMT)
 - Paramedic Technology
- Pharmacy Technician
- Liberal Arts Transfer
 - Nursing
 - Pharmacy
 - Social Work



North Dakota State College of Science

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Equal Opportunity Policy NDSCS adheres to the NDSCS college equal opportunity policy as stated in the *NDSCS Catalog*.

The North Dakota State College of Science is accredited by The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604, 800-621-7440.