

# Paramedic, Undergraduate Certificate

Visit the UVU Paramedic page (<https://www.uvu.edu/es/paramedic/>) for more information on the program and access to advising.

## Program Description

Our nationally and state accredited paramedic program has been training paramedics since 2000. As a paramedic, you will be a member of the Emergency Medical Services system that provides Advanced Life Support (ALS) to the acutely ill and critically injured. Students enrolled can expect to learn skills that will save lives. Some skills within the scope of practice include intravenous access, medication administration, advanced airway access, and EKG interpretation.

## Matriculation Requirements

1. Complete Anatomy and Physiology (transfer credit accepted) with a grade of C or higher: ZOOL 1090 (requires BIOL 1010 as a pre-req) or ZOOL 2320 and 2420 with labs (requires BIOL 1610 and CHEM 1110 as pre-req).
2. Meet the English requirement: Placement into ENGL 1010 or ENGH 1005 or higher with valid test scores, (Completion of ENGL 1010 or ENGH 1005 highly recommended).
3. Meet the Math requirement: Completion of MAT 0950 with a grade of C- or higher, or placement into MAT 1000 or higher valid test scores, (Completion of QL Requirement highly recommended).
4. Possess a current Utah EMT certification (MUST REMAIN VALID THROUGH THE COURSE)
5. Have current CPR certification.
6. Successful completion of criminal background requirements (UVU and State of Utah Bureau of Emergency Medical Services).
7. Be at least 18 years old and have a valid driver's license.
8. Have current vaccinations as required by Utah Bureau of EMS. (Additional vaccinations may be required for clinical site internships)
9. Have current TB test results as required by Utah Bureau of EMS.
10. Obtain a current physical examination supporting entrance into the Paramedic Program.
11. Complete UVU paramedic application process, including written testing, oral interview, passing of background and drug screening \testing, and be accepted to the program.

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>31</b>
<b>Discipline Core Requirements</b>		<b>31 Credits</b>
ESEC 3210	Paramedic I-Operations	3
ESEC 3220	Paramedic II-Cardiac and Respiratory Patient Care	3
ESEC 3225	Paramedic II Lab-Cardiac and Respiratory Emergencies	1
ESEC 3230	Paramedic III-Trauma Patient Care	3
ESEC 3235	Paramedic III Lab-Trauma Emergencies	1
ESEC 3240	Paramedic IV-Medical and Geriatric Patient Care	3
ESEC 3245	Paramedic IV Lab-Medical Emergencies	1
ESEC 3250	Paramedic V-Obstetric and Pediatric Patient Care	3
ESEC 3255	Paramedic V Lab-Obstetric and Pediatric Emergencies	1
ESEC 4210	Paramedic VI-Research	2
ESEC 4220	Paramedic VII-Clinical Internship Hospital and Field Phase I and II	4
ESEC 4230	Paramedic VIII-Practical Preparation and Testing	3
ESEC 4240	Paramedic Capstone	3

## Graduation Requirements

1. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.) Upon completion of the course requirements and recommendation from the Medical Director, Program Director and Utah Bureau of Emergency Services Course Coordinator, students are eligible to apply for certification as an Emergency Medical Technician/Paramedic through the National Registry EMT and the Utah Bureau of Emergency Medical Services.
2. Completion of a minimum of 31 credits.
3. Overall course GPA of 2.7 or higher.
4. Residency hours -- Minimum of 10 credits required through course attendance at UVU.

## Program Learning Outcomes

1. Integrates a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems.
2. Integrate comprehensive knowledge of EMS systems, safety/wellbeing of the paramedic, and medical/legal and ethical issues to improve the health of EMS personnel, patients, and the community.
3. Integrate comprehensive anatomical and medical terminology and abbreviations into the written and oral communication with colleagues and other health care professionals.
4. Integrate comprehensive knowledge of the pathophysiology of major human systems with patient assessment and management of illness and injury.
5. Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression, develop a list of differential diagnoses and apply clinical reasoning to modify the assessment and formulate a treatment plan.
6. Integrate comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate medical and traumatic emergencies and improve the overall health of a sick or injured patient.
7. Integrate complex knowledge of anatomy, physiology, and pathophysiology into the assessment of a sick or injured patient to develop and implement a treatment plan with the goal of assuring a patient airway, adequate mechanical ventilation, and respiration for patients of all ages.
8. Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient suffering a respiratory emergency.
9. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient suffering a cardiovascular system emergency. 13. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient suffering from endocrine, hematologic, immunologic, and psychiatric emergencies.
10. Integrate comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states. 14. Integrate scene observations, pathophysiological principles and patient assessment findings to formulate a field impression and implement a treatment plan for a patient suffering a soft tissue, head, neck, or spine injury.
11. Integrate a comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest. 15. Integrate scene observations, pathophysiological principles and patient assessment findings to formulate a field impression and implement a treatment plan for a patient suffering from chest, abdominal, musculoskeletal or environmental trauma.
12. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient suffering from neurologic, gastrointestinal, and genitourinary system and gynecological medical emergencies. 16. Integrate pathophysiological principles and patient assessment findings to formulate a field impression and implement a treatment plan for special populations of patients including pregnant females, new-born infants, pediatric patients, geriatric patients and patients with special challenges suffering medical or traumatic emergencies.

## Paramedics

- Total Positions 100,600
- Field Growth 5.9%
- Median Salary \$53,180
- Average Openings 5.3

## Emergency medical technicians

- Total Positions 169,700
- Field Growth 6.1%
- Median Salary \$38,930
- Average Openings 13.9

## Health specialties teachers, postsecondary

- Total Positions 284,200
- Field Growth 18.8%

- Median Salary\$105,650
- Average Openings28.4