Paramedicine is designed for those who desire to become Paramedics who intend to take the examinations necessary to certify through the National Registry of Emergency Medical Technicians. Course work is approved for those wanting Idaho certification and who can satisfy the necessary requirements.

Prerequisites and general education for this program can be accomplished in two semesters prior to entering the program. Starting Summer of 2004 the Paramedic Program will be offered on two tracks. Students can choose between Winter/Summer or Summer/Fall. Fall/Winter students will have to switch to another track. Applications to the program must be handed in no later than Nov. 15th for Winter/Summer and Mar. 15th for Summer/Fall track. Applications can be downloaded from the Paramedicine website. Pre-requisites must be completed or in the process when the candidate makes application. If the pre-requisite year is completed at BYU-Idaho, the following course work is suggested.
# AAS in Paramedicine

### Basic Education Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>I. Communication</td>
<td>ENG 111</td>
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<td>II. Composition</td>
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<td>III. Human Relations</td>
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<td>IV. Related Skills</td>
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### Religion Requirements

- Social Ethics
- Philosophy

### Take 4 Credits

- English
- Social Science
- Science
- Math

### Take 4 Credits

- English
- Social Science
- Science
- Math

### Take 4 Credits

- English
- Social Science
- Science
- Math

### Total Basic Skills Credits=18

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### Major Requirements

#### No Double Counting of Major Courses

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<td>BIO 265</td>
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#### Total Major Credits=48

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#### Total Major Credits=49

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### Paramedicine

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#### Total Major Credits=49

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Course Descriptions

Para 256 Patient Assessment I
Prerequisite: Para 181
Students will be introduced to patient assessment principles including history taking, physical exam techniques, patient assessment in the field, clinical decision making, medical communications, and documentation with emphasis being placed on the traumas and medical patient.
(Fall, Winter)

Para 257 Patient Assessment II
Prerequisite: Para 256
Students will continue to learn advanced patient assessment principles including history taking, physical exam techniques, patient assessment in the field, clinical decision making, medical communications, and documentation with emphasis being placed on the traumas and medical patient.
(Fall, Winter)

Para 241 Professional Seminar I
Prerequisite: Para 244
Designed to offer credit in a specialty area where teaching, administrative or organizational experiences are provided for individual students in the area of Paramedicine. Includes local ambulance experience, doctors’ seminars and participation in Basic EMT Lab.
(Fall, Winter, Summer)

Para 242 Professional Seminar II
Prerequisite: Para 241
Designed to offer credit in a specialty area where teaching, administrative or organizational experiences are provided for individual students in the area of Paramedicine. Includes local ambulance experience, doctors’ seminars and participation in Basic EMT Lab.
(Fall, Winter, Summer)

Para 250 Assessment Based Management I
Prerequisite: Concurrent registration in Para 260. Four lab hours per week.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on working with a partner and aggressive treatment and transport.
(Fall, Summer)

Para 251 Assessment Based Management II
Prerequisite: Concurrent registration in Para 278.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on team leader experience, scene control, use of personnel, aggressive treatment and transport.
(Fall, Summer)

Para 252 Advanced EMT & Paramedic Review
Fee: $100.00
Current certification as a Basic EMT and course completion for EMT-I or EMT-P. Permission only. 48 hours - time arranged.
Refresher and preparation for National Registry Paramedic or Intermediate Exams.
(Fall, Winter, Summer)

Para 254 Fire Fighting I
Fee: $150.00
Students will be provided with the information needed to become certified as a Firefighter I. Classes and hands-on experience in the areas of scene safety, fire behavior, building construction, fire ground search & rescue, fire extinguishment, and fire prevention.
(Fall, Winter)

Para 181 EMT-Basic
Fee: $280.00
Emergency Medical Technician training designed to qualify student to become ambulance attendant at the Basic Level upon passing the National Registry of Emergency Technicians-Basic written and practical exam. Class includes “hands on” training with practical evaluations of knowledge and skills.
(Fall, Winter)

Para 184 EMT - Review
Fee: $70.00
National re-resher and review of basic skills and didactic work. National EMT Ambulance exams given upon completion.
(Fall, Winter, Summer)

Para 251 Professional Seminar I
Prerequisite: Concurrent registration in Para 260. Four lab hours per week.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on working with a partner and aggressive treatment and transport.
(Fall, Winter, Summer)

Para 255 Assessment Based Management I
Prerequisite: Concurrent registration in Para 260. Four lab hours per week.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on working with a partner and aggressive treatment and transport.
(Fall, Summer)

Para 256 Patient Assessment I
Prerequisite: Para 181
Students will be introduced to patient assessment principles including history taking, physical exam techniques, patient assessment in the field, clinical decision making, medical communications, and documentation with emphasis being placed on the traumas and medical patient.
(Fall, Winter)

Para 257 Patient Assessment II
Prerequisite: Para 256
Students will continue to learn advanced patient assessment principles including history taking, physical exam techniques, patient assessment in the field, clinical decision making, medical communications, and documentation with emphasis being placed on the traumas and medical patient.
(Fall, Winter)

Para 215 EMT-Dive
Fee: $50.00
Emergency Medical Technician training designed to qualify student to become ambulance attendant at the Basic Level upon passing the National Registry of Emergency Technicians-Basic written and practical exam. Class includes “hands on” training with practical evaluations of knowledge and skills.
(Fall, Winter)

Para 246 Pharmacology
Prerequisite: Para 244
Designed to offer credit in a specialty area where teaching, administrative or organizational experiences are provided for individual students in the area of Paramedicine. Includes local ambulance experience, doctors’ seminars and participation in Basic EMT Lab.
(Winter, Summer)

Para 251 Professional Seminar II
Prerequisite: Para 256
Designed to offer credit in a specialty area where teaching, administrative or organizational experiences are provided for individual students in the area of Paramedicine. Includes local ambulance experience, doctors’ seminars and participation in Basic EMT Lab.
(Fall, Winter, Summer)

Para 252 Professional Seminar III
Prerequisite: Para 251
Designed to offer credit in a specialty area where teaching, administrative or organizational experiences are provided for individual students in the area of Paramedicine. Includes local ambulance experience, doctors’ seminars and participation in Basic EMT Lab.
(Fall, Winter, Summer)

Para 254 Fire Fighting I
Fee: $150.00
Students will be provided with the information needed to become certified as a Firefighter I. Classes and hands-on experience in the areas of scene safety, fire behavior, building construction, fire ground search & rescue, fire extinguishment, and fire prevention.
(Fall, Winter)

Para 255 Assessment Based Management II
Prerequisite: Concurrent registration in Para 278.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on team leader experience, scene control, use of personnel, aggressive treatment and transport.
(Fall, Summer)

Para 256 Patient Assessment II
Prerequisite: Para 181
Students will be provided with the information needed to become certified as a Firefighter II. Classes and hands-on experience in the areas of scene safety, fire behavior, building construction, fire ground search & rescue, fire extinguishment, and fire prevention.
(Fall, Winter)

Para 257 Patient Assessment II
Prerequisite: Para 256
Students will continue to learn advanced patient assessment principles including history taking, physical exam techniques, patient assessment in the field, clinical decision making, medical communications, and documentation with emphasis being placed on the traumas and medical patient.
(Fall, Winter)

Para 260 Preparatory
Fee: $135.00
Prerequisite: Para 264, BSO 265, Chem 101, Math 108.
Preparatory fundamentals to include: EMS Systems, Roles & Responsibilities, Well Being, Injury & Illness Prevention, Medical & Legal Issues, Ethics, Pathophysiology, Pharmacology, Venous Access, Medication Administration, Therapeutic Communications, Documentation, Life Support Development.
(Fall, Winter, Summer)

Para 261 Professional Seminar I
Prerequisite: Concurrent registration in Para 278.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on working with a partner and aggressive treatment and transport.
(Fall, Summer)

Para 262 Pharmacology
Prerequisite: Para 260
At the completion of this unit, the paramedic student will be able to integrate pathophysiological principles of pharmacologic management plan. The paramedic student will be able to safely and precisely access the venous circulation and use mathematical principles to administer medications. Modern emergency medical service (EMS) is based on sound principles, practice, and research. The paramedic of today must be knowledgeable in all aspects of prehospital emergency care. This course will be a cornerstone of EMS education to reflect current trends in prehospital care. Based on sound scientific principles, we have been careful to ensure that the course reflects the trends toward evidenced-based practice. However, practices and formulations are different among different regions of the country and among countries. We have attempted to make the course as comprehensive as possible. The knowledge and skills outlined in this course are best learned in the classroom, skills laboratory, clinical, and then the field internship settings.
(Fall, Summer)

Para 264 Airway I
Prerequisite: Concurrent registration in Para 260. Permission only.
Airway anatomy, physiology and management to include endotracheal intubation, combitube, LMA, PTL, BSO, EGA tracheal suctioning, extubation, respiratory diseases and disorders with pharmacological management.
(Winter, Summer)

Para 265 Assessment Based Management II
Prerequisite: Concurrent registration in Para 278.
Ambulance scenarios with assessment based management for trauma and medical patients - adults, pediatrics, geriatrics. Situations move from field to ambulance to Emergency Department. Emphasis is on team leader experience, scene control, use of personnel, aggressive treatment and transport.
(Fall, Summer)

Para 266 Advanced EMT & Paramedic Review
Fee: $100.00
Current certification as a Basic EMT and course completion for EMT-I or EMT-P. Permission only. 48 hours - time arranged.
Refresher and preparation for National Registry Paramedic or Intermediate Exams.
(Fall, Winter, Summer)

Para 267 Fire Fighting I
Fee: $150.00
Students will be provided with the information needed to become certified as a Firefighter I. Classes and hands-on experience in the areas of scene safety, fire behavior, building construction, fire ground search & rescue, fire extinguishment, and fire prevention.
(Fall, Winter)

Para 268 Professional Seminar II
Prerequisite: Concurrent registration in Para 278.
Ambulance scenarios with assessment based management for trauma and medical patients. Situations move from field to ambulance to Emergency Department. Emphasis is on team leader experience, scene control, use of personnel, aggressive treatment and transport.
(Fall, Summer)

Para 269 Advanced EMT & Paramedic Review
Fee: $100.00
Current certification as a Basic EMT and course completion for EMT-I or EMT-P. Permission only. 48 hours - time arranged.
Refresher and preparation for National Registry Paramedic or Intermediate Exams.
(Fall, Winter, Summer)
**Paramedicine**

**PARA 270 Special Considerations**

(3:2)

Prerequisite: PARA 260. Assessment and management of acute, pediatric, geriatric, special patients, challenged patients, and abused and assaulted patients. Includes: Pediatric Advanced Life Support Provider Certification preparation and Critical Care and Acute Interventions in the home care patient. (Fall, Summer)

**PARA 274 Trauma I**

(1:1:0)

Prerequisite: Concurrent registration in PARA 260. Presentation, discussion and testing of all aspects of traumatic injuries involving pediatric, adult, and geriatric patients. (Winter, Summer)

**PARA 278 Medical Emergency**

(4:4:8)

Fee: $459.00

Prerequisite: Para 260. Pathophysiology, assessment and management of patients with medical disorders and emergencies. Areas include: Neurology, Endocrinology, Allergies and Anaphylaxis, Gastroenterology, Renal/Urology, Toxicology, Hematology, Environmental Conditions, Infectious and Communicable Diseases, Behavioral/Psychiatric Disorders, Gynecology and Obstetrics. Lab practice in MEGA-CODES and patient care in Trauma, Cardiac, and Medical Emergencies, Pediatric, and Geriatric. (Fall, Winter, Summer)

**PARA 285 Cardiology I**

(1:1:0)

Cardiovascular Anatomy, Pathophysiology, assessment and management of patients with cardiac related problems, ECG monitoring and patient assessment and management. Advanced Cardiac Life Support, provider preparation. (Winter, Summer)

**PARA 287 Medical Emergency**

(4:4:8)

Fee: $3100

Prerequisite: PARA 241, 242, 250, 251, 260, 264, 270, 274, 278, 280, 285, 287, 288, 291, 292. Paramedic majors only. Preceptor Internship with 911 ambulance services. Must be approved by the Paramedic Program Committee (480 hours minimum with 100 ALS calls). (Fall, Winter, Summer)

**PARA 295 EMS Operations I**

(1:1:2)

Prerequisite: Mass Casualty Incident Command, HAZMAT Awareness, Search and Rescue Awareness. (Summer only)

**PARA 297 Cardiology II**

(1:1:0)

Prerequisite: Para 280. Pathophysiology, assessment including 12 lead ECG evaluation and management of cardiac and respiratory emergencies. Includes cadioLOGY, signs and symptoms of compromise, clinical implications, treatment protocols, pharmacological & electrical interventions and termination of resuscitation, MEGA-CODES practice and patient assessment and management. (Fall, Summer)

**PARA 298 Differential Diagnosis/Clinical Decision/Lab**

(3:6:8)

Prerequisite: Para 260, 278. Critical Evaluation and Clinical Decision Making, Assessment and Management of Traumatic and Medical Emergencies, Differential Diagnosis. (Fall, Winter)

**PARA 299 Paramedic Hospital Clinical I**

(3:6:7)

Hospital experience: Emergency Department, Operating Room, Intubations, IV Therapy, Labor and Delivery. Pedagogy, ICU/CCU, Cardiac Catheterization Lab, ECG, Post Anesthesia Recovery, Respiratory Therapy, Medical Floor, Geriatrics, Central Supply/Pharmacy, Rehabilitation and Behavioral Health. Must be taken for a minimum of 420 hospital hours. (May be taken more than one semester) (Winter, Summer)

**PARA 279 Paramedic Hospital Clinical II**

(3:6:7)

Hospital experience: Emergency Department, Operating Room, Intubations, IV Therapy, Labor and Delivery. Medical Floor, Geriatrics, Central Supply/Pharmacy, Rehabilitation and Behavioral Health. Must be taken for a minimum of 420 hospital hours. (May be taken more than one semester)