

# Paramedical Technology (PMED)

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## Courses

### PMED A241 Paramedicine I 6 Credits

Presents the knowledge for paramedic practice, including patient assessment, anatomy and physiology, pathophysiology, airway management, pharmacology, intravascular access, medication administration and related emergency service fundamentals. Students will learn to formulate patient impressions and implement treatment plans.

**Special Note:** There are additional applications and fees for students who wish to be certified with the State of Alaska and/or National Registry.

**Registration Restrictions:** Current Alaska Emergency Medical Technician (EMT) or National Registry Emergency Medical Technician, and admission to the Associate of Applied Science in Paramedical Technology

**Corequisites:** PMED A241L AND PMED A242.

### PMED A241L Paramedicine I Lab 2 Credits

Presents the knowledge for paramedic practice, including patient assessment, anatomy and physiology, pathophysiology, airway management, pharmacology, intravascular access, medication administration and related emergency service fundamentals. Students will learn to formulate patient impressions and implement treatment plans.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures. There are additional applications and fees for students who wish to be certified with the State of Alaska and/or National Registry.

**Registration Restrictions:** Current Alaska Emergency Medical Technician (EMT) or National Registry Emergency Medical Technician, and admission to the Associate of Applied Science in Paramedical Technology

**Corequisites:** PMED A241 AND PMED A242.

### PMED A242 Clinical Rotation I 4 Credits

Paramedic assessments and skills are performed in hospital emergency departments, operating rooms and respiratory therapy. Clinical rotations are supervised by preceptors/mentors and provide the student with experiences working with actual patients. Skills are also performed on ambulances on the Kenai Peninsula and the Mat-Su Valley under the supervision of licensed paramedics.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Registration Restrictions:** Current Alaska Emergency Medical Technician (EMT) or National Registry Emergency Medical Technician, and admission to the Associate of Applied Science in Paramedical Technology

**Corequisites:** PMED A241 AND PMED A241L.

### PMED A253 Paramedicine II 6 Credits

Presents the knowledge for paramedic practice, including patient assessments, anatomy and physiology, pathophysiology and pharmacology of a patient suffering from different medical complaints. Students will learn to formulate patient impressions and implement their appropriate treatment plans.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A241 with a minimum grade of B and PMED A241L with a minimum grade of B and PMED A242 with a minimum grade of B.

**Corequisites:** PMED A253L AND PMED A254.

### PMED A253L Paramedicine II Lab 2 Credits

Presents the knowledge for paramedic practice, including patient assessments, anatomy and physiology, pathophysiology and pharmacology of a patient suffering from different medical complaints. Students will learn to formulate patient impressions and implement appropriate treatment plans.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A241 with a minimum grade of B and PMED A241L with a minimum grade of B and PMED A242 with a minimum grade of B.

**Corequisites:** PMED A253 AND PMED A254.

### PMED A254 Clinical Rotation II 4 Credits

Students perform patient assessments, skills and treatments during various in-hospital clinicals and on paramedic level ambulances. Students are directly supervised by preceptors/mentors who provide the student with opportunities to assess and treat actual patients.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A241 with a minimum grade of B and PMED A241L with a minimum grade of B and PMED A242 with a minimum grade of B.

**Corequisites:** PMED A253 AND PMED A253L.

### PMED A263 Paramedicine III 6 Credits

Presents the knowledge for paramedic practice, including patient assessments, anatomy and physiology, pathophysiology and pharmacology of a patient suffering from different trauma complaints. Students will learn to formulate patient impressions and implement treatment plans for special populations and will incorporate training in EMS operations.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A253 with a minimum grade of B and PMED A253L with a minimum grade of B and PMED A254 with a minimum grade of B.

**Corequisites:** PMED A263L AND PMED A264.

**PMED A263L Paramedicine III Lab 2 Credits**

Demonstrates the knowledge for paramedic practice through skills and scenarios including patient assessments, anatomy and physiology, pathophysiology and pharmacology of a patient suffering from different trauma complaints. Students will also practice formulating patient impressions and implement treatment plans for special populations and will incorporate training in EMS operations.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A253 with a minimum grade of B and PMED A253L with a minimum grade of B and PMED A254 with a minimum grade of B.

**Corequisites:** PMED A263 AND PMED A264.

**PMED A264 Clinical Rotation III 4 Credits**

Students perform patient assessments, skills and treatments during various in-hospital clinicals and on paramedic level ambulances. Students are directly supervised by preceptors/mentors who provide the student with opportunities to assess and treat actual patients.

**Special Note:** Students must have the strength to be able to move victims, sufficient vision and hearing to assess the patient's condition, and dexterity to perform the skills application procedures.

**Prerequisites:** PMED A253 with a minimum grade of B and PMED A253L with a minimum grade of B and PMED A254 with a minimum grade of B.

**Corequisites:** PMED A263 AND PMED A263L.

**PMED A295 Paramedic Internship 12 Credits**

The paramedic program's field internship is a culmination of knowledge, skills, critical thinking and decision making in real-world emergencies. Demonstration of competence is required by the end of a 480-hour internship. A successful course summative written and practical exam is required before taking the National Registry paramedic certification exam.

**Special Note:** Students are responsible for all expenses associated with their field internship (i.e., travel, room & board, food, etc.).

**Registration Restrictions:** Instructor approval

**Prerequisites:** PMED A263 with a minimum grade of B and PMED A263L with a minimum grade of B and PMED A264 with a minimum grade of B.