

## Paramedicine Certificate

---

### Program Description

The Paramedicine certificate program prepares students for direct entry as paramedics in emergency care, stabilization, and immobilization of victims of illness and injury: recognizing and documenting signs and symptoms of illness and injury, intervening, and evaluating the intervention; performing assessment of basic electrocardiograph rhythm identification; administration of oxygen and medications approved by the Arizona Department of Health Services, office of Emergency Medical Services; advanced airway techniques; use of specific immobilization devices, peripheral, interosseus, and central intravenous techniques, defibrillation, synchronized cardioversion, transcutaneous pacing; and preparing for transportation.

**Note:** Since there is a special admission process for this program, prospective students should contact an academic advisor for detailed information.

### Program Contacts

- Program Director: Ken Schoch (ken.schoch@yc.edu), telephone: (928) 717-7942
- Associate Dean: Kim Ewing (kim.ewing@yc.edu), telephone: (928) 717-7923
- Instructional Specialist: Erin Elsner (erin.elsner@yc.edu), telephone: (928) 717-7993
- Dean: Scott Farnsworth (scott.farnsworth@yc.edu), telephone: (928) 776-2234

### Program Outcomes

Upon successful completion of the Paramedicine Certificate program, the learner will be able to:

1. Explain the human anatomy and function of the cells in systemic organs. (EMS 240)
2. Identify the roles, responsibilities, medical, legal and ethical issues that impact decisions within an EMS system. (EMS 241, EMS 242)
3. Perform patient assessments, analyzing medical history, physical exam and/or mechanisms of injury to formulate a patient treatment plan. (EMS 241, EMS 242, EMS 244)
4. Describe standards and guidelines that help ensure safe and effective ground and air medical care and transport for all types of incidents. (EMS 241)
5. Perform all aspects of patient care procedures including communication documentation, administration of medications and readiness of equipment and personnel. (EMS 244, EMS 245, EMS 246)

### Program Requirements

A minimum of 43 credit hours is required to complete the Paramedicine Certificate.

Course	Course Title	Credit Hours
EMS240	Paramedic Anatomy & Physiology	4
EMS241	Paramedicine I	14
EMS242	Paramedicine II	13
EMS244	Paramedicine III	3
EMS245	Paramedicine IV	3
EMS246	Paramedicine V	6