

# EMS 241: Paramedic Cardiology

This course introduces the cardiovascular system, cardiovascular electrophysiology and electrocardiographic monitoring. This course further relates pathophysiology and assessment findings to the formulation of field impressions and implementation of treatment plans for specific cardiovascular conditions. Content areas include: cardiovascular anatomy and physiology, cardiovascular electrophysiology, electrocardiographic monitoring, rhythm analysis, and prehospital 12-lead electrocardiogram monitoring and interpretation, assessment of the cardiovascular patient, pathophysiology of cardiovascular disease and techniques of management including appropriate pharmacologic agents and electrical therapy. As needed

**Credits:** 3

**Lab Hours:** 1

**Lecture Hours:** 2

**Prerequisites:**

As required by program

**Program:** [Emergency Medical Services](#)

**Semester Offered:**

Summer