

## HEALTH SCIENCE TECHNOLOGY

### **151100 Emergency Medical Responder**

**Grade(s):** 11-12 **Credit:** .5 per semester **Term(s):** 1 or 2

**CTE, ACC**

Emergency Medical Responder courses place a special emphasis on the knowledge and skills needed in medical emergencies. Course focus is to prepare students to obtain certification in Emergency Medical Response (EMR).

### **151221 (CITS) Medical Occupations (2-hour class)**

**Grade(s):** 11-12 **Credit:** 1 per semester **Term(s):** 1

**Prerequisite:** Biology/Commitment Agreement required

**CTE, CITS**

This course will provide students with a foundation of knowledge and skills in both Medical Terminology and Allied Health. Information learned will assist the student in the career decision-making process and prepare them for a healthcare career. Students will:

- Explore the range of health industry occupations through on site visits.
- Understand and use common medical abbreviations and terminology.
- Interpret information found in medical records.
- Understand the roles and responsibilities of members on the health care team.
- Practice safety and infection precautions.
- Demonstrate competence in communication and problem-solving.

### **151322 (CITS) Intro to Nursing/Home Health (2-hour class)**

Commitment Agreement required

**Grade(s):** 11-12 **Credit:** 1 per semester **Term(s):** 2

**Prerequisite:** Medical Occupations

**CTE, CITS**

This course meets the criteria necessary for entry-level employment as a Nursing Assistant/Home Health Aide and serves as an introduction to the medical/nursing career pathway for students who decide to advance in the medical/nursing profession and other Allied Health careers. Complete and pass background study clearance prior to clinical, which is a mandatory requirement of the Minnesota Department of Human Services. All state requirements must be met. Students will: Perform basic medical/nursing skills, demonstrate ability to care for residents in an area long-term care facility, understand concepts of basic human needs, know individual career-related strengths, be prepared to take the Minnesota Nursing Assistant/Home Health Aide Test out to be registered as a Nursing Assistant and Home Health Aide, have the opportunity to attend state and national conferences for Health Occupations Students of America, apply basic principles in caring for the client at home, have the opportunity to acquire American Heart Association Healthcare Provider Basic Life Support certification for CPR/AED (valid for two years), and to pass physical examination and Mantoux screening, which is required for clinical.

### **232510 Fire Science**

**Grade(s):** 10-12 **Credit:** .5 per semester **Term(s):** 1 & 2

**CTE**

Fire Fighting courses offer students the opportunity to learn fire prevention and control. Instruction may include organization, rules, requirements, and regulations of fire departments; study and practice the tools and techniques used by firefighters to control or extinguish fires; and examine the behavior of fires.

### **32420 Forensic Science**

**Grade(s):** 10-12 **Credit:** .5 semester **Term(s):** 1 or 2

**CTE**

Provides an overview of the theoretical understanding and practical application of forensic science techniques. Topics typically include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others.