

## MEDICAL AND HEALTH SCIENCES

**PHILOSOPHY OF THE DEPARTMENT** The healthcare field is changing faster today than any other time in history. It is the goal of this department to introduce students to the 21st century healthcare, which is the second largest industry in the U.S. It is the function of this department to supplement the goals of general education by providing students with the opportunities and experiences that will help students to understand the medical healthcare systems, provide career direction to students and help students to become better consumers of healthcare.

**GENERAL OBJECTIVES OF THE HEALTH SCIENCE DEPARTMENT**

To develop an insight and understanding of medical and healthcare industry.

To provide realistic experiences as they relate to the role, responsibilities and educational requirements for various medical and healthcare professions

To provide basic entry-level skills in the medical workplace

To provide opportunities for experiential work in the healthcare field

To provide students with the ability to achieve personal and career goals

To help students become better consumers of the healthcare systems

### CAREER AND TECHNICAL EDUCATION COURSES (CTE)

Students taking Health Science courses may be eligible to receive college credit at Macomb Community College or Baker College and advanced standing at Macomb Community College.

V010

\*\*\* MEDICAL AND HEALTH SCIENCE CAREERS 2 semesters 1 credit 10-12  
C.I.P. 51.0000.02

**PREREQUISITE:** None

This course of study is designed to introduce students to careers in the medical and healthcare field. Students will have the opportunity to learn the anatomy and physiology of the body systems as it relates to health, wellness, diagnosis and treatment of diseases and the human life cycle. Students will explore the four service areas of healthcare: informational technology, diagnostic, therapeutic and environmental services. This course will provide students with basic skills in first aid, CPR and medical terminology. The class includes medical career research, clinical labs, project work, and professional guest speakers. Students will have the option to enhance their experience by participating in job shadowing, internship or co-op. This class may be used as science credit or elective.

V020

**\*\*\*MEDICAL AND DENTAL ASSISTING**

2 semesters 1 credit 11-12

C.I.P. 51.0000.04

Shared time: May require travel to another building.

**PREREQUISITE:** Successful completion of Medical and Health Science Careers

This complexity of the healthcare system has placed a demand on healthcare practitioners and specialists needed in order to provide complete patient care. This course is designed to provide the student with comprehensive administrative and clinical skills in the medical office setting. The course covers knowledge, skills, attitudes and values, necessary to prepare students to become successful, multi-skilled medical assistants, health unit coordinators and dental assistants. The textbook, labs, practice software and computerized test bank cover the administrative, clinical and general areas identified as necessary for entry level employment. This course includes computers in the medical office, clinical skills and procedures, administration of medication, phlebotomy, diagnostic lab procedures, minor surgery and general health and wellness of the patient. Students apply their knowledge of advanced skills and techniques through analysis and problem solving of patient case studies. Opportunities for job shadowing, internships and co-op are available.

V030

**\*\*\*NURSING ASSISTANT**

2 semesters 2 credits 11-12

C.I.P. 51.0000.09

Shared time: May require travel to another building.

**PREREQUISITE:** Successful completion of Medical and Health Science Careers or Medical and Dental Assisting and teacher's approval

Nursing Assistant is a co-educational class designed to prepare students to perform basic nursing skills and services to hospital/nursing home patients. This is a hands-on class for students pursuing a career in the medical care profession. After successful completion of this course, students may work in hospitals, extended care facilities and medical offices via cooperative education. Credit may be granted in either allied health or science, but not more than one science credit toward graduation requirements may be earned through the Medical and Health Sciences Program.

V061-V073

**MEDICAL AND HEALTH SCIENCE CAREERS CO-OP** 2 semesters 1 credit 11-12

C.I.P. 51.0000

**PREREQUISITE:** Nursing Assistant or Medical and Dental Assisting and teacher/coordinator recommendation

This course offers students the opportunity to spend a portion of their school day working in an occupationally-related training site. This employment experience is related to the occupational goals of each student and is supervised by the school to work coordinator. This course is designed to introduce the student to the world of work in the health field, i.e. hospitals, doctors' offices, dentists' offices, veterinary clinics, nursing homes, physical therapy. It also helps the student to develop leadership traits in their area of specialty. Evaluation of job performance and individual consultation is handled by the coordinator with input from the employers. This program adheres to all federal and state labor laws.