MEDICAL ASSISTANT (MA)
60.0 quarter credit units/ 920 clock hours/ 41 weeks
36 weeks Theory/Lab (20 hours per week) + 5 weeks externship (40 hours per week)

Course Objective:
The Medical Assistant program is designed to prepare students for employment as an entry-level Medical Assistant. The program focuses on both administrative and clinical competencies and designed for students who wish to pursue a career in the allied health profession. Upon completion graduates may pursue a career in a clinical setting under the supervision of a licensed physician and function as a vital part of the healthcare team. Education is focused on anatomy and physiology of all body systems, administrative functions such as appointment scheduling, insurance billing, and office management, as well as clinical functions including administering medications, venipuncture skills, obtaining and recording medical histories and vital signs, and preparation of the patient and treatment rooms for physician examinations.

Upon successful completion of the program, graduates may obtain employment as:

• Medical Assistant (CIP # 51.0801; O-NET # 31-9092.00)

<table>
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<tr>
<th>Term #</th>
<th>Module Title</th>
<th>Week #</th>
<th>Clock Hours</th>
<th>Quarter Credit Units*</th>
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Note: one clock hour is defined as a 60-minute span of time in which 50 minutes is devoted to actual class instruction, with the remaining portion designated as a break.

For information on graduation rates, median debt of graduates completing this program or other important information, visit: http://www.cbd.edu/medical-assistant/
Course Syllabus:

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**TOTAL** | 36 | 36 | 200 | 920
Medical Assistant Course Description:

MODULE I  MA 100 Introduction to Medical Assistant

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course identifies the duties and responsibilities of a Medical Assistant. Distinguishes between the various organizations related to the profession of medical assisting; explains the need and importance of credentials; identifies training methods for becoming a medical assistant; discuss professional development; identifies healthcare trends and their relationship to the practice of medical assisting; identifies medical specialties. Also this course recognizes the various duties of allied health professionals students may work with. Compares specialty careers and professional advancement; differentiates professional associations related to healthcare; recognizes the importance of professionalism. Explains professional behaviors; models strategies for success; carries out professionalism in all applied training scenarios; summarizes the steps necessary to obtain certification. It describes strategies for finding a position; explains key factors for a successful interview, describes how to be a successful employee.

MODULE I  MA 110 Patient Communication

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course identifies elements and types of communication. Relates communication to human behavior and needs; categorize positive and negative communication. Models ways to improve communication techniques, carries out therapeutic communication skills. Uses effective communication strategies; carries out positive communication with coworkers and management; differentiate between laws and ethics; identifies responsibilities of both the patient and physician regarding the patient-physician contract. It describes the four Ds of negligence and the four Cs of malpractice prevention. Explains the importance of the FDA and DEA to administrative procedures performed. Summarizes the purpose of federal healthcare regulations. Identifies six principles in preventing improper disclosure of medical information. Explains the different practice management models.

MODULE I  MA 120 Universal Precaution

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course presents the components of a medical office safety plan. Identifies OSHA's role in protecting healthcare workers. It describes basic safety precautions. Summarizes proper methods for storing and handling chemicals. Explains the principles of ergonomics. Illustrates the cycle of infection. Summarizes the Blood borne Pathogens Standard and Universal Precautions. Describes methods of infection control. Describes CDC requirements for reporting cases of infectious diseases. Describes the layout of a typical exam room. Differentiates between sanitization and disinfection. Also this course lists steps to prevent the spread of infections; describes the importance of temperature, lighting, and ventilation. Identifies instruments and supplies used in a general physical exam. Discusses the collection, processing, and testing of urine and stool samples. Describes the process of urinalysis and its purpose.
MODULE I  MA 130 Vital Signs

Prerequisites: Admission to the Medical Assistant Program

Total clock hours: 20  Quarter Credit Units: 1.5*

This course presents how to identify the skills necessary to conduct a patient interview; recognize the signs of anxiety, depression, and abuse. Uses the six Cs for writing an accurate patient history. Uses critical thinking skills to describe the five vital signs. Identifies various methods of taking temperature; describes the process of taking pulse and respirations. Carries out blood pressure measurements; summarize orthostatic vital signs. Illustrates various body measurements; describes the purpose of the physician's office laboratory; identifies the medical assistant's duties in the physician's office laboratory. Identifies pieces of laboratory equipment. Illustrates measures to prevent accidents. It explains the goal of a quality assurance program. Carries out communication regarding test preparation and follow up. Also carries out accurate documentation including logs related to quality control.

MODULE II  MA 200 Administrative Procedures

Prerequisites: Admission to the Medical Assistant Program

Total clock hours: 20  Quarter Credit Units: 1.5*

This course introduces the list that design items to be considered when setting up a reception area. Summarizes housekeeping tasks. Discusses office access. Identifies the cause of most injuries to medical workers and body areas where they occur; explains the Red Flags Rule. Implanting policies and procedures for opening and closing the office. Explains the purpose to telecommunications equipment used in the office. Relates the five Cs of communication to telephone use; defines telephone etiquette, pitch pronunciation, enunciation, and tone; describes how to handle incoming calls. Carries out the procedures for taking a telephone message. Summarizes call screening skills used in making an outgoing call.

MODULE II  MA 210 Computers and Documentation

Prerequisites: Admission to the Medical Assistant Program

Total clock hours: 30  Quarter Credit Units: 2.0*

This course identifies common types of computers. Describes computer hardware components and their functions. Describes software applications commonly used in a medical office. Summarizes options available for learning software applications. Discusses steps involved in upgrading or replacing existing computer equipment. Explains how a well-written document reflects on the medical practice. It describes types of document supplies used. Outlines general guidelines for effective writing. Lists and explains the purpose of different types of documents used in the medical field. Describes editing and proofreading documents. Also outlines the steps for mailing a letter. Explains the different types of mail service offered by USPS. Describes the duties involved in processing incoming mail.

MODULE II  MA 220 Patient Education

Prerequisites: Admission to the Medical Assistant Program

Total clock hours: 10  Quarter Credit Units: 1.0*

This course identifies the benefits of patient education; describes factors that affect learning and teaching; implements teaching techniques. Chooses reliable patient education materials; explains how patient education can promote good health habits. Describes the information contained in a patient information packet. Describes the benefits of patient education prior to surgical procedures. Describes how the appointment book is key to continuity of patient care. Identifies how to properly apply a matrix to an appointment schedule. Compares appointment scheduling systems. Identifies ways to organize and schedule appointments. Models how to handle special situations; explains how to schedule appointments outside the office. Implements ways to keep and accurate and efficient physician's schedule.
MODULE II  MA 230 Office Management

**Prerequisites:** Admission to the Medical Assistant Program

_Total clock hours:_ 20  
**Quarter Credit Units:** 1.5*

This course is an introduction of the basic organizational design of the medical office and the relationship of the healthcare team. It describes the responsibilities of the office manager. Summarizes basic human resource functions in office management. Distinguishes traits of someone with leadership skills. Compares risk management and quality assurance, calculates employee earnings. Describes tax forms commonly used in a medical office.

MODULE III  MA 300 Medical Records

**Prerequisites:** Admission to the Medical Assistant Program

_Total clock hours:_ 20  
**Quarter Credit Units:** 1.5*

This course explains the importance of patient medical records; identifies the documents that comprise a medical record; compares the different types of formats related to documentation. Describes the need for neatness, timeliness, accuracy, and professional tone in patient's records; illustrates the correct procedure for correcting and updating medical records. Describes the steps in responding to requests for release of medical records. Lists four medical mistakes that will be decreased through the use of EHR, differentiate among electronic medical records, electronic health records, and personal health records. Contrasts advantages and disadvantages of EHR; describes the capabilities of EHR software programs; identifies the common equipment used to file and store paper medical records. Outlines security and safety measures for both electronic and paper medical records. Lists common filing supplies. Contrasts various filing systems; recall the steps of the filing process. Compares active, inactive, and closed files and how to set up a records retention program.

MODULE III  MA 310 Assisting with Physical Exams

**Prerequisites:** Admission to the Medical Assistant Program

_Total clock hours:_ 20  
**Quarter Credit Units:** 1.5*

This course identifies the purpose of a general physical exam; also, identifies the medical assistant's role in patient examinations. Carries out the necessary steps to prepare a patient for examination. It carries out positioning and draping a patient in all nine common exam positions. Identifies the six examination methods used in a general physical exam. Carries out the role of the medical assistant in a gynecology exam. Carries out the role of the medical assistant in obstetrics. Identifies diagnostic and therapeutic procedures performed in gynecology and obstetrics. Relates the role of the medical assistant in urology. Identifies diagnostic tests and procedures performed in urology. Recognizes diseases and disorders of the reproductive and urinary systems.

MODULE III  MA 320 Pharmacology

**Prerequisites:** Admission to the Medical Assistant Program

_Total clock hours:_ 40  
**Quarter Credit Units:** 3.0*

This course presents and explains the medical assistant's role in pharmacology. Recognizes the five categories of pharmacology and their importance to medication administration. Differentiates the major drug categories, drug names, and their actions. Classifies over-the-counter (OTC), prescription, and herbal drugs. Uses credible sources to obtain drug information. Carries out the procedure for registering or renewing a physician with the Drug Enforcement Agency (DEA) for permission to administer, dispense, and prescribe controlled drugs. Identifies the parts of a prescription, including commonly used abbreviations and symbols; discuss none-pharmacological treatments for pain. Describes how vaccines work in the immune system. Explains the role of the medical assistant to ensure safe dosage calculations. Identifies systems
of measurements and their common uses. Converts among systems of measurements, execute dosage calculations accurately. Calculates dosages based upon body weight and body surface area. Describes rules and responsibilities regarding drug administration and the initial preparation for the drug administration. Lists the rights of drug administration. Recognizes the correct equipment to use for administering medications. Carries out the procedures for administering oral medications. Carries out the procedures for administering parenteral medications by injection. Carries out the procedures for administering parenteral medications by other routes. Relates special considerations required for medication administration to pediatric, pregnant, breast-feeding, and geriatric patients. Outlines patient education information related to medications. Implements accurate and complete documentation of medications.

MODULE IV  MA 400 Medical Insurance

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course defines and explains the terms used in the insurance industry. Compares types of insurance plans. Outlines requirements for coverage by Medicare, Medicaid, TRICARE and CHAMPVA programs; describes allowed charge, contracted fee, capitation, and RBRVS. Outlines the tasks performed to obtain information required to produce an insurance claim. Produces a clean CMS-1500 claim form. Explains the methods used to submit an insurance claim. Recalls the information found on a remittance advice.

MODULE IV  MA 410 Medical Coding

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 30*  
*Quarter Credit Units: 2.0*

This course is designed to recognize the ways that ICD codes are used; describes the conventions used by ICD-9-CM. Outlines the steps to code a diagnosis. Explains the purpose and usage of V codes and E codes. Names the appendices found in the ICD-9-CM. Compares ICD-9-CM and ICD-10-CM. Summarizes the ICD-10-CM general coding guidelines. Illustrates coding applications for neoplasm’s, diabetes mellitus, fractures, R codes, poisonings, and Z codes; Lists the sections of the CPT manual. Briefly describes CPT coding guidelines. Lists the types of E/M codes within the CPT. Lists the areas included in the surgical coding section. Locates procedure codes using the CPT manual; explains the importance of code linkage and avoiding fraud.

MODULE IV  MA 420 Patient Financial Accounts

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 10*  
*Quarter Credit Units: 1.0*

This course describes the accounts receivable and accounts payable methods. Identifies different documents used in patient billing and cycle billing. Compares accounting systems; explains the purpose of various credit and collection laws. Relates the required components of a Truth in Lending Statement to credit practices. Summarizes common problems in collections.

MODULE IV  MA 430 Bookkeeping and Banking

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course presents the importance of good bookkeeping practices. Compares bookkeeping systems; Outlines patient financial transactions. Identifies negotiable instruments and items required for a check to be negotiable. Describes the different types of check endorsements and steps in making a bank deposit. Carries out the process of reconciling a bank statement; Lists several advantages to electronic banking. Implements setting up, classifying, and recording disbursements in a disbursement journal.
MODULE V  MA 500 Body Structure

**Prerequisites:** Admission to the Medical Assistant Program  
**Quarter Credit Units:** 1.5*

This course explains the difference between anatomy and physiology. Illustrates body organization from a single molecule to an organism. Describes the location and characteristics of the four main tissue types. Describes the body organ systems, their general functions, and the major organs of each. Uses medical and anatomical terminology correctly. Explains the anatomical position. Identifies body cavities and the organs within them. Relates a basic understanding of chemistry and its importance in studying the body. Names the parts of a cell and their functions; summarizes how substances move across a cell membrane. Distinguishes the stages of cell division. Explains the uses of genetic techniques. Describes the patterns of inheritance and common genetic disorders. Describes the functions of the skin. Describes the layers of skin and their characteristics. Explains factors that affect skin color. Summarizes common types of skin lesions; describes the accessory organs of the integumentary system along with their structure and function. Explains the process of skin healing including scar production. Describes the common diseases and disorders of the skin.

MODULE V  MA 510 Musculoskeletal System

**Prerequisites:** Admission to the Medical Assistant Program  
**Quarter Credit Units:** 1.5*

This course describes the structure of bone tissue; explains the function of bones. Compares intermembranous and endochondral ossification. Describes the skeletal structures and locations; locates the bones of the skull; locates the bones of the spinal column. Locates the bones of the rib cage; locates the bones of the shoulders, arms, and hands. Locates the bones of the hips, legs, and feet. Describes the three major types of joints and give examples of each. Describes the common diseases and disorders of the skeletal system. Describes the functions of muscle. Compares the three types of muscle tissue including their locations and characteristics. Explains how muscle tissue generates energy. Describes the structure of skeletal muscle. Recognizes the terms origin and insertion. Identifies the major skeletal muscles of the body, giving the action of each. Summarizes the changes that occur to the muscular system as a person ages. Describes the causes, signs and symptoms, and treatments of various diseases and disorders of the muscular system.

MODULE V  MA 520 Cardiovascular System

**Prerequisites:** Admission to the Medical Assistant Program  
**Quarter Credit Units:** 1.5*

This course introduces the structures of the heart and the functions of each. Explains the cardiac cycle, including the cardiac conduction system. Compares pulmonary and systemic circulation. Differentiates among the different types of blood vessels and their functions. Explains blood pressure and how it is controlled; describes the causes, signs and symptoms, and treatments of various diseases and disorders of the cardiovascular system. Describes the components of blood, giving the function of each component listed. Explains how bleeding is controlled. Explains the differences among blood types, including the discussion of which blood types are compatible. Explains the difference between Rh-positive blood and Rh-negative blood. Describes the causes, signs and symptoms, and treatments of various diseases and disorders of the blood.
MODULE V   MA 530 Lymphatic and Immune System

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course describes the pathways and organs of the lymphatic system. Compares the nonspecific and specific body defense mechanisms. Explains how antibodies fight infection; describes the four different types of acquired immunities; describes the causes, signs and symptoms, and various treatments of the major immune disorders.

MODULE VI   MA 600 Respiratory and Digestive System

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course describes the structure and function of each organ of the respiratory system. Describes the events involved in inspiration and expiration of air. Explains how oxygen and carbon dioxide are transported in the blood. Compares various respiratory volumes and tells how they are used to diagnose respiratory problems. Describes the causes, signs and symptoms, and treatments of various diseases and disorders of the respiratory system. Describes the organs of the alimentary canal and their functions. Explains the functions of the digestive system's accessory organs. Identifies the nutrients absorbed by the digestive system and where they are absorbed; describe the causes, signs and symptoms, and treatments of various common diseases and disorders of the digestive system.

MODULE VI   MA 610 Nervous and Special Senses System

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course is a study of the general functions of the nervous system; summarizes the structure of a neuron. Explains the function of nerve impulses and the role of synapses in their transmission. Describes the structures and functions of the central nervous system. Compares the structures and functions of the somatic and autonomic nervous systems in the peripheral nervous system. Recognizes common tests that are performed to determine neurological disorders. Describes the causes, signs and symptoms, and treatments of various diseases and disorders of the nervous system; describes the anatomy of the nose and the function of each part. Describes the anatomy of the tongue and the function of each part, including the accessory structures and their functions. Explains the visual pathway through the eye to the brain for interpretation. Describes the causes, signs and symptoms, and treatments of various disorders of the eye. Describes the anatomy of the ear and the function of each part, and explain the role of the ear in maintaining equilibrium. Explains how sound travels through the ear and are interpreted in the brain. Describes the causes, signs and symptoms, and treatments of various disorders of the ear.

MODULE VI   MA 620 Urinary and Reproductive System

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course describes the structure, location, and function of the kidney. Explains how nephrons filter blood and form urine. Compares the locations, structures, and functions of the uterus, bladder, and urethra. Describes the causes, signs and symptoms, and treatment of various diseases and disorders of the urinary system. Summarizes the organs of the male reproductive system including the locations, structures, and functions of each. Describes the causes, signs and symptoms, and treatment of various disorders of the male reproductive system. Summarizes the organs of the female reproductive system, including the locations, structures, and functions of each. Describes the causes, signs and symptoms, and treatment of various diseases and disorders of the female reproductive system. Explains the process of pregnancy, including fertilizations,
the prenatal period, and fetal circulation. Describes the birth process, including the post natal period. Compares several birth control methods and their effectiveness. Explains the causes and treatments of infertility; describes the causes, signs and symptoms, and treatments of the most common sexually transmitted infections.

MODULE VI   MA 630 Endocrine System

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course describes the general functions and hormones of the endocrine system. Identifies the hormones released by the pituitary gland, thyroid gland, parathyroid glands, adrenal glands, pancreas, and other hormone-producing organs, and give the functions of each; explains the effect of stressors on the body. Describes the causes, signs and symptoms, and treatments of various endocrine disorders.

MODULE VII   MA 700 Venipuncture

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 40  Quarter Credit Units: 2.5*

This course explains the role of the medical assistant when collecting, processing, and testing blood samples; carries out the procedure for collecting a blood specimen. Summarizes ways to respond to patients' needs when collecting blood. Carries out the procedure for performing blood tests.

MODULE VII   MA 710 EKG (Electrocardiogram)

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course is an introduction of medical assistant's role in electrocardiography and pulmonary function testing. Explains the basic principles of electrocardiography and how it relates to the conduction system of the heart; identifies the components of an electrocardiograph and what each does. Carries out the steps necessary to obtain an ECG. Summarizes exercise electrocardiography and echocardiography. Explains the procedure of Holter monitoring. Carries out the various types of pulmonary function tests; describes the procedure for performing pulse oximetry testing.

MODULE VII   MA 720 Radiology

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course explains what X-rays are and how they are used for diagnostic and therapeutic purposes. Compares invasive and noninvasive diagnostic procedures. Carries out the medical assistant's role in X-ray and diagnostic radiology testing. Discusses common diagnostic imaging procedures. Describes different types of radiation therapy and how they are used. Explains the risks and safety precautions associated with radiology work; relates the advances of medical imaging to EHR.

MODULE VIII   MA 800 Microbiology

**Prerequisites:** Admission to the Medical Assistant Program

*Total clock hours: 20  Quarter Credit Units: 1.5*

This course presents and explains the medical assistants’ role in microbiology. Summarizes how microorganisms cause disease; describes how microorganisms are classified and named. Discusses the role of viruses in human disease. Reviews the symptoms of HIV / AIDS and hepatitis. Discusses the role of bacteria in human disease. Discusses the role of protozoa in human disease. Discusses the role of fungi in human disease. Discusses the role of multicellular
parasites in human disease. Describes the process involved in diagnosing an infection. Identifies general guidelines for obtaining specimens. Carries out the procedure for transporting specimens to outside laboratories. Compares two techniques used in the direct examination of culture specimens. Carries out the procedure for preparing and examining stained specimens. Carries out the procedure for culturing specimens in the medical office. Describes how to perform an antimicrobial sensitivity determination.

MODULE VIII  MA 810  Minor Surgery Assisting

**Prerequisites:** Admission to the Medical Assistant Program

**Quarter Credit Units:** 1.5*

This course presents and explains the medical assistant's role in minor surgical procedures. Describes the surgical procedures performed in an office setting. Identifies the instruments used in minor surgery and describe their functions. Describes the procedures for medical and sterile asepsis in minor surgery. Discusses the procedures used in a medical office to sterilize surgical instruments and equipment; summarizes the medical assistant's duties in preoperative procedures. Describes the medical assistant's duties during an operative procedure. Implements the medical assistant's duties in a postoperative period.

MODULE VIII  MA 820  Medical Emergencies

**Prerequisites:** Admission to the Medical Assistant Program

**Quarter Credit Units:** 1.5*

This course explains the importance of first aid during a medical emergency. Identifies items found in a crash cart; recognizes various accidental emergencies and how to deal with them; Lists common illnesses that can result in medical emergencies. Identifies less common illnesses that can result in medical emergencies. Discusses your role in caring for people with psychosocial emergencies. Carries out the procedure for calming a patient who is under extreme stress. Discusses ways to educate patients about how to prevent and respond to emergencies. Illustrates your role in responding to natural disasters and pandemic illness. Discusses your role in responding to acts of bioterrorism.

MODULE VIII  MA 830  Medical Emergencies

**Prerequisites:** Admission to the Medical Assistant Program

**Quarter Credit Units:** 1.5*

This course is designed to train and prepare the students for HIPAA, OSHA and CPR Certifications.

MODULE IX  MA 900  Medical Specialties

**Prerequisites:** Admission to the Medical Assistant Program

**Quarter Credit Units:** 1.5*

This course describes and explains the medical specialties of allergy, cardiology, dermatology, endocrinology, gastroenterology, neurology, oncology, and orthopedics. Identifies common diseases and disorders related to these same fields; relates the role of the medical assistant in procedures performed in medical specialties.

MODULE IX  MA 910  Pediatrics and Geriatrics

**Prerequisites:** Admission to the Medical Assistant Program

**Quarter Credit Units:** 1.5*

This course identifies the role of the medical assistant in a pediatric examination. Discusses pediatric immunizations. Explains various pediatric screening procedures and diagnostic tests. Describes common pediatric diseases and disorders. Recognizes special health concerns of pediatric patients. Relates developmental changes in geriatric patients. Describes common
geriatric diseases and disorders. Identifies variations of care for geriatric patients. Explains special health concerns of geriatric patients.

MODULE IX  MA 920 Rehabilitation  
**Prerequisites:** Admission to the Medical Assistant Program  
*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course identifies the general principles of physical therapy; relates various cold and heat therapies to their benefits and contraindications. Recalls hydrotherapy methods. Names several methods of exercise therapy; describes the types of massage used in rehabilitation therapy. Compares different methods of traction. Carries out the procedure for teaching a patient to use a cane, a walker, crutches, and a wheelchair. Models the steps you should take when referring a patient to a physical therapist.

MODULE IX  MA 930 Nutrition  
**Prerequisites:** Admission to the Medical Assistant Program  
*Total clock hours: 20*  
*Quarter Credit Units: 1.5*

This course identifies and explains nutrients and their role in health. Implements a plan for a nutritious, well-balanced diet and healthy lifestyle using the USDA's guidelines. Describes methods used to assess a patient's nutritional status. Explains reasons why a diet may be modified. Identifies types of patients who require special diets and the modifications required for each; describes the warning signs, symptoms, and treatments for eating disorders. Educates patients about nutritional requirements.

MODULE X  MA 1000 Externship  
**Prerequisites:** Admission to the Medical Assistant Program  
*Total clock hours: 200*  
*Quarter Credit Units: 6.5*

Upon successful completion of all modules, medical assistant students will participate in a 200 hour externship at an approved facility. This will provide the student with the opportunity to apply principles and practices learned in the program and utilize entry-level medical assisting skills in a real world environment.

*A quarter credit is defined as one credit for every ten (10) hours of lecture, one credit for every twenty (20) hours of lab, and one credit for every thirty (30) hours of externship (or internship).*