

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14299A001 Biomedical Innovations (PLTW)

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Biomedical Innovations courses provide the ability to design innovative solutions for the current pressing health challenges. Students apply knowledge and skills while conducting experiments related to biomedical sciences. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. Students have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, health care industry, or biomedical research institution. Students will be expected to make a presentation of their work to an adult audience that may include representatives from the local community or the school's PLTW partnership team.

### Course ID: 14201A001 Central Supply Services

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Central Supply Service course provide students with knowledge and skills related to the procurement, handling, storage, and distribution of sterile goods and equipment. It provides a sequence of organized learning experiences and skills designed to perform tasks that include inspecting, assembling, and evaluating equipment and supplies. Perform aseptic techniques in cleaning and sterilizing equipment and supplies under the supervision of a central supply technician. Course components usually include quality assurance, infection control and isolation techniques, medical terminology and processes, decontamination and sterilization, microbiology, and chemistry.

### Course ID: 14104A001 Clinical Laboratory Assistant/Phlebotomist

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

In Phlebotomy courses, students acquire knowledge, skills, and experiences related to the drawing of blood and typically learn about such topics as infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, and the process of drawing blood. This course provides a sequence of organized competencies necessary to perform tasks which include laboratory requisitions and reports; care of laboratory equipment; aseptic techniques; basic laboratory mathematics (metrics); handling of specimens; blood collection techniques; and interdepartmental relationships such as introduction to the departments of hematology, urology, serology, bacteriology, and others. In addition, students should be introduced to departmental procedures, policies, and standards.

### Course ID: 14054A001 Dental Assistant

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course exposes students to the tools, terminology, and procedures necessary for a career in the dental industry. The course is responsible for preparing materials for impressions and restorations; and for exposing, processing, and mounting dental radiographs. The dental assistant maintains infection control according to Occupational Safety and Health Administration (OSHA) and American Dental Association standards. They also prepare tray setups for dental procedures and provide preventative dental patient/client information. The dental assistant is also trained to manage the office. This includes arranging and confirming appointments, greeting patients/clients, maintaining treatment records, mailing statements, receiving payments, and ordering supplies.

### Course ID: 14101A001 Dental Laboratory Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course exposes students to the principals, tools, terminology, and procedures necessary for a career in a dental laboratory. The student is introduced to working with the dentist, dental assistant, and dental hygienist in the examination of patients/clients. The student learns to arrange and confirm appointments, greet patients/clients, and maintain treatment records. The students learn to maintain infection control according to Occupational Safety and Health Administration (OSHA) and American Dental Association (ADA) standards in assisting the dental assistant or dentist in preparing for dental procedures. The dental laboratory aide may also learn to assist the dental laboratory technologist in making, repairing, and polishing dentures; constructing crowns or bridges for partially destroyed teeth; and making orthodontic appliances (tooth straightening devices).

# CTE - State Courses (Subject Area: 14)

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### Course ID: 14103A001 Electrocardiograph (EKG) Technician

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

In EKG Technology courses, students acquire the knowledge and skills to perform electrocardiograph activities and learn about the cardiovascular system (including its function, diseases, and rhythms); EKG machinery; and the use of drugs and their effects. This course provides a sequence of organized learning experiences and skills designed to utilize the electrocardiograph machine to record the variation in time and potential of the electric current associated with action of the heart muscle by learning proper electrode sites and placement; quality control; interpersonal relationships; interdepartmental relationships; anatomy and physiology; and observing and reporting. The student learns the competencies needed to perform as an EKG technician in a hospital, clinic, or doctor's office under the direction of a physician. These courses usually include general health care topics as well, such as basic anatomy and physiology, patient care, first aid and CPR, identification and use of medical equipment, and medical terminology.

### Course ID: 14055A001 Emergency Medical Technician

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses should also cover the legal and ethical responsibilities involved in dealing with medical emergencies. The Illinois Department of Public Health approves EMT training programs in the State of Illinois. Approved programs must meet or exceed the National Emergency Medical Services Education Standards for the Emergency Medical Technician and meet all other applicable requirements contained in 77 Illinois Administrative Code Part 515. To become licensed as an EMT-B in the State of Illinois or nationally certified, the student must be 18 years of age, complete a state-approved EMT program, have a current CPR-BLS for "Healthcare Provider" or equivalent credential, and pass the National Registry of Emergency Medical Technicians examination (required for national certification) or the Illinois Department of Public Health's EMT-B examination.

### Course ID: 14059A001 Geriatric Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Geriatric Aide courses provide students with knowledge and understanding of the processes of adult development and aging. The geriatric aide course is composed of a combination of subject matter and learning activities designed to prepare a person to perform simple tasks involved in the personal care of elderly individuals receiving nursing services. These tasks are performed under the supervision of a licensed practical nurse or registered nurse. Topics covered may include the study of the biological, economic, psychological, social, health, and special nutritional needs; fitness and maintenance of body processes; aspects of the aging process; activities of daily living; rehabilitation activities; diagnostic and treatment procedures; patient/client care procedures; and special nursing care needs of the elderly.

### Course ID: 14099A003 Health and Safety Skills for Psychiatric Rehabilitation

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course should focus on the mental health system and related services, basic CPR, first aid, infection control, vital signs, nutrition, and safety. It is suggested that the Certified Nursing Assistant (CNA) course be given at this time as the basic foundation. The student would then become eligible upon successful completion of all of the skills and knowledge for dual certification as both a CNA and a Psychiatric Rehabilitation Services Aide (PRSA) at the end of course of study, as long as the Psychiatric Rehabilitation Services Aide Training Program meets all applicable requirements contained in 77 Illinois Administrative Code Part 395.

### Course ID: 14998A001 Health Occupations Cooperative Education

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course provides students with work experience in the health care industry. This course is designed for students interested in pursuing careers in health occupations. Students are released from school for their cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills, career exploration skills related to the job, and improving students' abilities to interact positively with others. For skills related to the job, refer to industry standards of the desired career. Goals are typically set cooperatively by the student, teacher, and employer (students may be paid or unpaid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14002A002 Health Occupations Entry-Level Skill Development

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course should include affective, cognitive, and psychomotor skills that are common to most health occupations. Some degree of occupational competency can be developed at this level. The units of instruction, activities, and skills should be planned and assessed concurrently utilizing the industry or national standards for assessment whenever possible. These units may include diagnostic and therapeutic measures, management functions, transportation and mobility, psycho-social care, anatomy and physiology, administering medications, and patients/clients with special needs. Student performance should be learned and practiced in both classroom and laboratory settings, and supervised closely by teachers or worksite mentors in a facility through extended campus or clinical experiences. Both extended campus and clinical experiences require written agreements between educational and health care facilities to determine the responsibility of each agency.

### Course ID: 14002A001 Health Occupations Related Skills

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 1.00**

The course provides students with a core of knowledge to the health care industry and helps refine their health care-related knowledge and skills. This core of knowledge will develop the students' cognitive and affective skills in formulating a strong foundation for entry-level skill development. Topics covered usually include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.

### Course ID: 14002A003 Health Occupations Skill Development

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course provides a sequence of organized learning experiences and skills to prepare a person to recognize the signs and symptoms of illness and injury; to begin the approved and appropriate life-support procedures, such as cardiopulmonary resuscitation (CPR); to operate emergency vehicles and communications equipment as patients/clients are moved to a hospital emergency room; and to fill out the required records and reports after a call. This course should include identified skills to prepare the student for working in the emergency medical arena. The course should include skills to prepare the student for a specific health occupation or cluster of closely related occupations. This course allows for instruction in multiple occupations.

### Course ID: 14053A001 Home Health Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course is composed of a combination of subject matter and learning activities designed to prepare a person to care for individuals within their homes. The student learns competencies needed to perform simple tasks involved in the personal care of ill or handicapped individuals under the direction of the attending physician, registered professional nurse, and/or licensed practical nurse. The home health agency assigns a registered nurse to provide continuing supervision of this health care. The home health aide is employed in private homes, hospitals, long-term care facilities, and health care institutions. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, observing, recording, reporting, and safety; process of aging; personal care and daily living activities; family relationships; behavior patterns; home management; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. The student must be a certified nurse assistant before becoming a home health aide.

### Course ID: 14251A001 Human Body Systems (PLTW)

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Human Body Systems courses provide the study of basic human anatomy and physiology, especially in relationship to human health. A central theme is research and investigation into how the body systems work together to maintain internal balance and good health. Students use models and data acquisition software to study body structure and to monitor body functions.

### Course ID: 14253A002 Introduction to Pathophysiology and Pharmacology

**Starting School Year: 2019**

**Ending School Year:**

**Maximum Credit: 3.00**

Introduction to Pathophysiology and Pharmacology courses present the concepts of homeostasis and disease processes. Course topics and experiences enable students to relate how the human body's homeostasis is impacted by both disease and chemical substances, especially by the actions of drugs and other substances commonly used to treat diseases. Pathophysiology emphasizes various human body system disorders and the mechanisms of disease, including (but not limited to) fluid, electrolyte, and acid-base imbalances; pain; inflammation and healing; infection; and immunity. Pharmacology topics typically include (but are not limited to) the science of medication actions, sources, chemical properties, classification, uses, therapeutic effect, side-effects, adverse effects, and routes of administration. Hands-on activities, projects, and real-world problems are encouraged to attain complete comprehension.

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14254A001 Medical Interventions (PLTW)

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Medical Interventions courses provides opportunities to investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

### Course ID: 14102A001 Medical Lab Technician

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Medical Lab Technician courses provide students with the knowledge and skills necessary for employment in health care-related laboratories. Topics include basic principles of anatomy and physiology, relevant concepts in microbiology and chemistry, and laboratory techniques (including preparation and analysis of various cultures and specimens). These courses provide a sequence of organized competencies necessary to perform tasks which include laboratory requisitions and reports; care of laboratory equipment; aseptic techniques; basic laboratory mathematics (metrics); handling of specimens; blood collection techniques; and interdepartmental relationships such as introduction to the departments of hematology, urology, serology, bacteriology, and others. The courses may also cover such components as venipuncture, EKG, and CPR procedures.

### Course ID: 14153A001 Medical Office Procedures

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Medical Office Procedures courses expose students to clerical knowledge, abilities, and procedures as they apply to the medical field. These courses typically include (but are not limited to) topics such as medical transcription, medical insurance, financial accounting, scheduling, and patient record-keeping. Medical terminology and routine medical procedures are covered to provide a context for clerical duties.

### Course ID: 14202A001 Medical Records Assistant

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course provides a sequence of organized learning experiences and skills designed to prepare an individual to assist other medical record personnel by typing, filing, and performing general office duties; organizing, analyzing, and technically evaluating health records; coding symptoms, diseases, or operations; preparing health data for input into computers; and compiling administrative and health statistics for use by public health and/or clinical health care officials under the direction of the medical records administrator or other health care administrator.

### Course ID: 14154A001 Medical Terminology

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 1.00**

Medical Terminology courses students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

### Course ID: 14151A001 Medical/Clerical Assisting

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Medical/Clerical Assisting course provides student development in a sequence of organized learning experiences and skills designed knowledge and skills that combine the medical and clerical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record-keeping. This course suggest common clerical duties which include answering phones; greeting patients/clients; handling mail, patient/client data files, and medical histories; ordering supplies; dealing with representatives from pharmaceutical companies and medical suppliers; and performing common clinical duties which include sterilizing instruments; preparing patients/clients for examination or treatment; taking temperatures, pulse, respiration, and blood pressure; measuring height and weight; performing routine laboratory procedures; and assisting the physician with patient/client examinations and treatment under the direction of the professional medical staff. In addition, the medical assistant should be able to understand the health problems of patients/clients, ethics and legal issues, human relationships, and interpersonal relationships.

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14063A001 Mortuary Assistant

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course offers a sequence of planned classroom, laboratory, and clinical experience to prepare a person to perform tasks to assist in the embalming and cremation of human remains, to provide funeral and burial services, and to sell funerary equipment to the public. It includes instruction in applicable anatomical, cosmetic, and technical procedures; facilities and equipment management; equipment and services marketing; legal requirements; and professional standards. The Mortuary Assistant maintains infection control according to Occupational Safety Health Administration (OSHA) and other national standards.

### Course ID: 14051A001 Nursing Assistant

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics; medical terminology; patients/clients and their environment; special feeding techniques; psychological support and, in long-term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, and so on); and all other basic nursing skills. Topics covered typically include normal growth and development; feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure and policies; medical and professional ethics; and care of various kinds of patients. In order to have an approved nurse assistant program (one in which the students are eligible to sit for the certifying exam), the program must be approved by the Illinois Department of Public Health and meet all applicable requirements contained in 77 Illinois Administrative Code Part 395.

### Course ID: 14052A001 Nursing-LPN

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

The course is composed of a combination of subject matter and learning activities designed to prepare a person to perform as a practical nurse under the direction of the physician or professional nurse. LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Through classroom, laboratory, and clinical experiences, the student is exposed to the following units of instruction: interpersonal relationships; communications; physiological, psychological, and sociological principles and needs of patients/clients; basic skills; nutrition and special dietary content. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness. This program must meet the approval requirements of the Illinois Department of Financial and Professional Regulation.

### Course ID: 14063A002 Occupational Therapy Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course provides a sequence of organized learning experiences and skills designed to prepare a person to be knowledgeable of the organizational structure of the occupational therapy department; relationships of anatomical structures to normal and abnormal movement (building upon the unit of body systems in an earlier course); pathophysiological conditions resulting from injury and/or disease; terminology; record keeping; interpersonal relationships; first aid; body mechanics; and assist in implementing the plan of therapy for a patient/client as prescribed by a physician as directed by the occupational therapist in a hospital, long-term care facility, retirement home, or clinic. This knowledge is necessary to perform as an occupational therapy aide in hospitals, long-term care facilities, and clinics under the direction of a occupational therapy assistant or occupational therapist.

### Course ID: 14058A001 Optical Technician Assistant

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Optical Technician Assistant course provide students with the knowledge, ability, and experiences to prepare, assemble, and/or fit corrective lenses prescribed by a physician, ophthalmologist, or optometrist. This course provides a sequence of organized learning experiences and skills designed to prepare a person to assist with tests to determine normal and/or defective vision, prepare and fit eyeglasses and/or contact lenses, and administer corrective eye exercises and other treatments which do not require drugs or surgery under the supervision of an ophthalmologist, optometrist, or physician. It also includes administrative office duties, such as scheduling of patients/clients, maintenance of the patient/client record, and billing. This course provides a sequence of organized learning experiences and skills designed to prepare a person to adapt and fit corrective eyeglasses as prescribed by the ophthalmologist or optometrist. Topics covered may include layout and marking, cutting and chipping, edging and beveling, inspection, alignment, dispensing, and selection of eyewear.

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14001A001 Orientation to Health Occupations

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 1.00**

The course should expose students to the variety of opportunities available within the health care industry (e.g., such as nursing, therapy, vision and dental care, administrative services, and lab technology), which should include classroom and community-based activities. The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interest to a tentative career choice. The suggested course content should provide in-depth information into health occupations careers and trends, the occupational and educational opportunities, and the educational, physical, emotional, and attitudinal requirements

### Course ID: 14253A001 Pharmacology Technician

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Pharmacy Technician courses provide a sequence of organized learning experiences and skills designed to prepare the person to input information into the computer; obtain the client's records; file requisitions and prescriptions; check and order supplies; perform interdepartmental communications; use pharmacological terminology; observe drug dispensing, drugs, and dosages; understand the Unit Dosage System; and review physician's drug order sheet. All the skills listed above are performed under the supervision of a registered pharmacist. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medications, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.

### Course ID: 14152A001 Pharmacy Assisting

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Pharmacy Assisting courses emphasize the knowledge and skills necessary to assist a pharmacist or pharmacy technician. Course topics and experiences enable students to understand medical terminology, keep and maintain records, label medication, perform computer patient billing, perform stock inventory, and order supplies. These courses also emphasize pharmaceutical classification, drug interactions, and interpersonal/communication skills.

### Course ID: 14060A001 Physical Therapy Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Physical Therapy Aide courses provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction or deformity. This course provides a sequence of organized learning experiences and skills designed to prepare a person to be knowledgeable of the organizational structure of the physical therapy department; relationships of anatomical structures to normal and abnormal movement (building upon the unit of body systems in an earlier course); pathophysiological conditions resulting from injury and/or disease; terminology; record keeping; interpersonal relationships; first aid; body mechanics; and uses of electricity, hot and cold packs, paraffin, whirlpool, diathermy, microwave, massage assistive and supporting devices, and therapeutic exercises and tractions. The physical therapy aide assists in implementing the plan of therapy for a patient/client as prescribed by a physician. This knowledge is necessary to perform as a physical therapy aide in hospitals, long-term care facilities and clinics under the direction of a physical therapy assistant or physical therapist. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress.

### Course ID: 14252A001 Principles of Biomedical Science (PLTW)

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Principles of Biomedical Science courses introduce students to the broad field of biomedical science. It provides the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate how various health conditions and medical treatments impact human physiology. Health conditions covered include: heart disease, diabetes, sickle cell disease, hypercholesterolemia, and infectious diseases.

### Course ID: 14099A002 Psychiatric Rehabilitation Skills

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course should focus on the mental health system and related services, adult learners and methods for skills training, process model for social and coping skills training, medication management skills, and conducting skills training groups.

# CTE - State Courses (Subject Area: 14)

## Subject Area: 14 - Health Care Sciences

### Course ID: 14105A001 Radiological Technology/Technician

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Radiological Technology/Technician course provides a sequence of organized learning experiences and skills designed to prepare a person to assist the radiographer by transporting patients/clients from the emergency room or nursing unit to the x-ray department, positioning the patient/client, assisting the patient/client to dress, and putting the patient/client at ease in unfamiliar surroundings. This course introduces the student to the medical equipment and materials used for diagnostic and therapeutic services under the supervision of a radiation therapist or physician.

### Course ID: 14063A003 Rehabilitation Aide

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course provides a sequence of organized learning experiences and skills to prepare a person to perform tasks involved in the personal and rehabilitative care of patients/clients. The rehabilitation aide concept is the integration of three major interdisciplinary teams that are the basic skills in the areas of nursing, occupational therapy, and physical therapy. This health care person can help ensure that the approach to the care of the patient/client is consistent regardless of which specialty area is rendering the service. The rehabilitation aide performs under the supervision of a registered nurse, licensed physical therapist, or licensed occupational therapist in rehabilitation clinics or units in hospitals, extended care facilities, and long-term care facilities. This unit of instruction could be offered after the student has obtained the Certified Nursing Assistant credential.

### Course ID: 14061A001 Respiratory Therapy

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Respiratory Therapy courses provide students with the knowledge and skills necessary to work with patients who have breathing or other cardiopulmonary difficulties or disorders. This course provides a sequence of organized learning experiences and skills designed for the person to assist in the treatment of patients/clients with heart and lung ailments. Topics covered typically include identifying deficiencies and abnormalities of the cardiopulmonary system, understanding the various methods of therapies, and understanding how to use special equipment. Areas to be included are administration of various types of gases and devices to control temperature, air pressure, and humidity; patient/client exercises that will clear fluid from lungs and improve the patient's/client's ability to breathe; and cleaning and sterilizing equipment under the direction of the Respiratory Therapist.

### Course ID: 14062A001 Sports Management

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Sports Management courses introduce students to the basic principles and techniques for the prevention, recognition, treatment, and rehabilitation of common injuries and illnesses. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, medical terminology, budgeting, and ordering supplies, as well as general operation of a training room facility. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.

### Course ID: 14056A001 Surgical Technology

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). This course provides a sequence of organized learning activities and skills related to department procedure and policies, interdepartmental relationships, care of surgical equipment, aseptic techniques, handling of specimens, body mechanics and position for surgery, observing and reporting, terminology, and safety under the direction of the professionals in the operating room. In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery.

### Course ID: 14099A001 Survey of Psychiatric Rehabilitation

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

This course should focus on the mental health system and related services, psychiatric disability and related stigma issues, rehabilitative approaches to psychiatric treatment, case management, co-occurring substance abuse disorders, and public policies relevant to mental illness. The units of instruction should include consumer orientation, community supports and public policy, mental health system, wellness and diversity, functional assessment and treatment planning, vocational rehabilitation, substance abuse and mental illness/substance abuse (MISA), disability as disease, legal and ethical issues, case management and Assertive Community Treatment (ACT), knowledge of medications, process model of psychiatric rehabilitation, families, and stigma of mental illness.

# CTE - State Courses (Subject Area: 14)

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## Subject Area: 14 - Health Care Sciences

### Course ID: 14203A001 Unit Clerk (Ward Clerk)

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

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Unit Clerk (Ward Clerk) courses provide students with instruction and experiences so that they can manage components of nonpatient care activities in health care facilities. This course provides a sequence of organized learning experiences and skills necessary for a person to perform tasks requiring good communication skills, correct terminology and spelling, and an understanding of policies, rules, and regulations regarding visitors, patients/clients, and coworkers. Clerical responsibilities of record keeping, transcribing physicians' orders and requisitions, operating a computer, and using a multiplicity of standard and special chart forms are a necessary part of this occupational training program. Patient/client care activities involving areas of admission, discharge, transfer, death, laboratory listing, etc., are performed under the direction of the professional nurse/unit manager in long-term care facilities, hospitals, or clinics. Topics covered usually include medical terminology, transcription, and general reception duties and responsibilities; recordkeeping; and stocking medical and office supplies and equipment.

### Course ID: 14057A001 Vision Care

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

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Vision Care courses expose students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical and legal responsibilities of vision care workers.

### Course ID: 14099A004 Vocational Rehabilitation and Community Living Skills

**Starting School Year: 2011**

**Ending School Year:**

**Maximum Credit: 3.00**

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This course should focus on the mental health system and related services, supported employment, work as therapy, job coaching, Americans with Disabilities Act, and case management for community living.