

Delta-Montrose Technical College

HEALTH OCCUPATIONS

PRACTICAL NURSING

THE PROGRAM

The Practical Nursing Program is designed to prepare safe practitioners to administer basic nursing care and/or assist with care of patients of various health status and ages within the province of practical nursing as defined by law. Students learn to share in the care of the sick, in rehabilitation, and in illness prevention, under the direction of a licensed physician and/or registered nurse. The PN should be skilled in detecting signs and symptoms indicative of illness and be able to efficiently communicate this information to other team members. This program provides a diversified learning experience, correlates theory and clinical practice, and effectively guides and supervises the student. Graduates of this program are eligible to apply for the National Council Licensing Exam, Practical Nursing.

This program meets the requirements of, and is approved by, the Colorado Community College and Occupational Educational System (CCCOES), the Colorado State Board of Nursing and North Central Association of Colleges and Schools.

CAREER OPPORTUNITIES

The entry-level Practical Nurse is in demand in many health care arenas. These include long-term care facilities, physician's offices, hospitals, home health care, and many others. Qualified graduates can expect to earn between \$11.00 and \$15.00 per hour in rural areas, more in the urban setting.

PREREQUISITES

Applicants must be 18 years of age by completion of the program and demonstrate sufficient maturity and emotional stability to undertake the training.

Applicants must meet required minimum TABES levels.

No health form is required during the application or admission process. Upon acceptance into the program, the student will be provided with a physical exam and health form. Verification of tests and immunizations needs to be completed by a physician or health care practitioner. The tests and immunizations required are determined to be necessary by the clinical facilities that are utilized by this program.

A current AHA Health Care Provider Course C card is required prior to the beginning of clinical course work. The class must have been taken within the last year and the cards must remain current for entire length of clinical course work.

Applicants must have a high school diploma or GED. Official high school transcripts or GED need to be mailed directly from the school to the college.

All students will need to have a criminal background check with fingerprinting, and drug screening as part of the admission criteria and the student is responsible for the cost. All clinical facilities require this information be done prior to the start of clinical rotations and the facilities retain the right to refuse clinical experience to any student. Should this occur, the student may not be able to complete the program if an alternate equivalent clinical rotation placement cannot be found.

Course Prerequisites

FALL 2006-2007

CREDITS

ENG121 English Composition3

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FALL 2007-2008 CREDITS

ENG121 English Composition3
HPR108 Dietary Nutrition.....1
BIO106 Human Anatomy & Physiology4
Or Both BIO 201 and 202

***Prerequisites must be passed with a "C" or better. Nutrition and A & P have to be taken within the last 5 years. Need Official transcripts sent to DMTC by March 1 of the year you are seeking admission.**

COURSE SEQUENCE

In order to provide the necessary knowledge base for safe patient care, all theory courses must be passed with a "C" grade or better to begin or to continue in the clinical portion of the program. NOTE: Failure of any course at any time during the program with a grade below "C" will result in the student being dismissed from the clinical portion of the program. Returning students who have completed NUR105, NUR131, and NUR178 with a grade of "C" or better but with a lapse of one semester or more will be required to enroll in NUR185, Review of Nursing Concepts prior to or concurrently with their return to the clinical portion of the program. Transfer students who have completed NUR105 and NUR131 with a grade of "C" or better but with a lapse of one semester or more will be reviewed on an individual basis and be required to enroll in NUR185, Review of Nursing Concepts prior to or concurrently with their return to the clinical portion of the program.

ACCEPTANCE

Applicants are placed on a waiting list only after they have

- a. Submitted a completed application and paid the application fee
- b. Taken the TABES exam and attained the required 11.9 level in each section of the TABES (testing requirements are subject to change:
- c. Completed all prerequisite classes as noted under Course Prerequisite paragraph and an official transcript has been received by DMTC

Students are admitted chronologically from the waiting list.

Once the allotted class spaces are filled, all other applicants that successfully complete the application process will be made alternates and assigned alternate numbers according to their completion date. Alternates that are not admitted will remain on the list and are considered in order for the next class.

CONTINUING EDUCATION

Licensed Practical Nurses are often required to maintain a current AHA Health Care Provider Course C card. The EMS Department at DMTC helps fulfill that training requirement by offering both new and renewal AHA Health Care Provider Course C classes on a monthly basis.

COOPERATIVE EDUCATION

DMTC partners with the hospitals, long-term care facilities, physician's offices, and other health care facilities in the Delta, Grand Junction, and Montrose areas to provide clinical training opportunities for PN students.

COURSE AVAILABILITY

The program begins the fall semester of each year. Students may be required to attend some evening and/or weekend clinical experiences and travel to various clinical sites. Students may complete the program in 2 semesters or opt for the 4 semester track.

Program information, courses, and credit hours are subject to change.

PROGRAM DESCRIPTION (2 OR 4 SEMESTER)

Curriculum Proposal for 2006-2007

(*Note: 2007-2008 Proposed curriculum under development and is subject to change)

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PRACTICAL NURSING PROGRAM OUTLINE – 2 SEMESTER TRACK FIRST SEMESTER CREDITS

BIO106 Basic Anatomy and Physiology	4
NUR101 Pharmacology Calculations.....	1
NUR102 Alterations in Adult Health I.....	4
NUR103 Basic Health Assessment for the Practical Nurse	1
NUR105 Practical Nursing Arts and Skills ...	6.5
NUR110 Basic Pharmacology for the Practical Nurse	3
NUR131 Clinical I: Application of Practical Nursing Arts & Skills	4.5
NUR178 Nursing Seminar: Expanded Clinical I Application	1.5
NUR179 Nursing Seminar: Expansion of Basic Concepts in Nursing	1
Total First Semester Credits	26.5

SECOND SEMESTER CREDITS

HPR108 Dietary Nutrition.....	1
NUR104 Alterations in Adult Health II.....	5
NUR111 Socialization into Practical Nursing..	1
NUR113 Basic Concepts of Maternal-Newborn Nursing	2
NUR114 Basic Concepts of Nursing of Children	2
NUR115 Basic Concepts of Mental Health and Illness.....	1
NUR116 Basic Concepts of Gerontological Nursing	1
NUR180 Nursing Seminar: Advanced Pharmacology Concepts	1
NUR175 Special Topics: IV Therapy for Practical Nurses	2
NUR132 Clinical II: Application of Alterations in Adult Health	3
NUR133 Clinical III: Application of Basic Concepts of Maternal-Newborn and Pediatric Nursing	1.5
NUR134 Clinical IV: Advanced Application in Adult Health	4.5
Total Second Semester Credits	25
Total Program Credits	51.5

OPTIONAL:

NUR185 Review of Nursing Concepts.....	1-4
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PRACTICAL NURSING PROGRAM OUTLINE - 4 SEMESTER TRACK FIRST SEMESTER-LEVEL 1 CREDITS

BIO106 Basic Anatomy and Physiology	4
NUR101 Pharmacology Calculations	1
NUR102 Alterations in Adult Health I.....	4
NUR110 Basic Pharmacology for the Practical Nurse.....	3
NUR179 Nursing Seminar: Expansion of Basic Concepts in Nursing	1
Total First Semester Credits	13

SECOND SEMESTER-LEVEL 1 CREDITS

HPR108 Dietary Nutrition	1
NUR104 Alterations in Adult Health II.....	5
NUR111 Socialization into Practical Nursing..	1
NUR113 Basic Concepts of Maternal-Newborn Nursing	2
NUR114 Basic Concepts of Nursing of Children	2
NUR115 Basic Concepts in Mental Health and Illness	1
NUR116 Basic Concepts of Gerontological Nursing	1
NUR180 Nursing Seminar: Advance Pharmacology Concepts	1
Total Second Semester Credits	14

THIRD SEMESTER-LEVEL 2 CREDITS

NUR103 Basic Health Assessment for the Practical Nurse	1
NUR105 Practical Nursing Arts and Skills ...	6.5
NUR131 Clinical I: Application of Practical Nursing Arts and Skills	4.5
NUR178 Nursing Seminar: Expanded Clinical I Application.....	1.5
Total Third Semester Credits	13.5

FOURTH SEMESTER-LEVEL 2 CREDITS

NUR132 Clinical II: Application of Alterations in Adult Health.....	3
NUR133 Clinical III: Application of Basic Concepts of Maternal-Newborn and Pediatric Nursing.....	1.5
NUR134 Clinical IV: Advanced Application in Adult Health.....	4.5
NUR175 Special Topics: IV Therapy for Practical Nurses	2
Total Fourth Semester Credits	11
Total Program Credits	51.5

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COURSE DESCRIPTIONS

BIO106 Basic Anatomy & Physiology

4 Credits

Focuses on basic knowledge of body structures and function, and provides a foundation for understanding deviations from normal and disease conditions. This course is designed for individuals interested in health care and is directly applicable to the Practical Nursing Program, Paramedic Program and the Medical Office Technology program.

HPR108 Dietary Nutrition

1 Credit

Studies the basic principles in clinical practice involved in the assistance of health care. The course will cover factors which influence the nutritional status of individuals, methods of nutritional assessment and support, and diet modification for specific disease states.

NUR101 Pharmacology Calculations

1 Credit

Introduces the nursing student to the concepts and techniques of dosage calculations and medication administration by a variety of routes. Learners will apply basic math concepts to complex conversion of dosages between and among various systems of weights and volumes. Learners will apply critical thinking skills to the calculation and administration of medications

NUR 102 Alterations in Adult Health I

4 Credits

Introduces the Practical Nurse to basic concepts necessary for assessing and meeting nursing care needs of the adult and older individual. The course focuses on the concepts of acute and chronic illness, pain management, fluid and electrolyte balance, perioperative care, oncology, death and dying, infection and inflammation, and shock syndromes. Common disorders of the musculoskeletal, integumentary, respiratory and reproductive systems are presented. Relevant psychosocial and ethnocultural concepts and legal and ethical implications are integrated throughout.

NUR 103 Basic Health Assessment for the Practical Nurse

1 Credit

Provides a foundation in assessment and related therapeutic communication and teaching skills within the legal role of the Practical Nurse. Information is presented to assist the learner in obtaining a health history and in performing a basic assessment on adults and older adults with predictable outcomes. Health maintenance and health promotion concepts are incorporated throughout the course.

NUR 104 Alterations in Adult Health II

5 Credits

Continues the concepts introduced in Alterations in Adult Health I. It introduces the learner to basic concepts necessary for assessing and meeting nursing care needs of the adult and older individual. The course focuses on the common disorders of the neurological, cardiovascular, blood, lymphatic, immune, endocrine, gastrointestinal, renal and urinary systems and the special senses. Relevant psychosocial and ethnocultural concepts are integrated throughout

NUR 105 Practical Nursing Arts and Skills

6.5 Credits

Introduces the Practical Nursing learner to the principles of basic procedures necessary in caring for clients across the lifespan with stable and predictable outcomes in selected health care settings. Emphasis is placed on use of the nursing process in providing care. Opportunities are provided in the classroom and laboratory to develop competence in the performance of nursing skills. Relevant psychosocial and ethnocultural concepts are integrated throughout. Content regarding multidisciplinary relationships, historical perspectives, and health care delivery systems is presented.

NUR 110 Basic Pharmacology for the Practical Nurse

3 Credits

Focuses on the classifications of drugs as they relate to body systems as an introductory pharmacology course. Emphasis is placed on current drug therapy and specific prototype drugs. The discussion of each drug classification concentrates on the mechanism of action, main therapeutic effects, and the adverse reactions produced by the drug. Nursing considerations and patient teaching aspects for each drug classification are stressed throughout. Students learn how to use drug reference sources in gathering data for delivering effective and safe nursing care.

NUR111 Socialization into Practical Nursing

1 Credit

Introduces roles and responsibilities of the graduate Practical Nurse as defined by established standards, including the Colorado Nurse Practice Act. Emphasis is placed on accountability, delegation, and perspectives in health care. Career and job readiness skills are developed.

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NUR 113 Basic Concepts of Maternal-Newborn Nursing

2 Credits

Introduces the study of families experiencing childbirth. The focus is on normal pregnancy and the physiological and psychological changes during this time including the care of the normal newborn. Selected common complications are discussed. Relevant psychosocial and ethno-cultural concepts are integrated throughout. The nursing process is used as a framework to assist the learner in understanding basic maternal/newborn needs and nursing care within the role of the Practical Nurse.

NUR 114 Basic Concepts of Nursing of Children

2 Credits

Provides the learner with a basic understanding of the care of both the well and sick child within the role of the Practical Nurse. Emphasis is placed on the normal growth and development from infancy to adolescence. Nursing care of common childhood conditions is discussed. Theory is related to the nursing care of the well child, the sick child in various settings, the child with special needs, and the impact of pediatric care on the family. Relevant psychosocial, ethnocultural and family concepts are integrated throughout

NUR115 Basic Concepts in Mental Health and Illness

1 Credit

Introduces the learner to basic concepts of mental health and illness. The course focuses on clients throughout the lifespan. Emphasis is placed on mental health concepts, selected common psychiatric disorders, treatment modalities and related nursing care. This course is designed to assist the Practical Nurse in caring for clients with varied psychosocial and ethnocultural backgrounds.

NUR 116 Basic Concepts of Gerontological Nursing

1 Credit

Introduces the learner to basic knowledge of normal aging, disorders related to aging and nursing care of the older individual within the role of the Practical Nurse. Concepts regarding legal and ethical factors affecting the older individual are presented. Relevant psychosocial and ethno-cultural concepts are integrated throughout.

NUR 131 Clinical I: Application of Practical Nursing Arts and Skills

4.5 Credits

Introduces the learner to the health care environment as a foundation course. Enables the learner to begin to apply the nursing process in assessing and meeting the needs of the client within the role of the Practical Nurse. Emphasis is placed on the application of communication skills, basic and advancing nursing procedures, assessment and documentation of care in selected health care settings.

NUR 178 Expanded Clinical I Application Continuance of NUR 131

1.5 Credits

NUR132 Clinical II: Application of Alterations in Adult Health

3 Credits

Enables the student to develop skills in applying the nursing process in delivery of increasingly complex nursing care. The course is intended to prepare the learner for the entry role of the Practical Nurse in assessing and meeting the needs of adults and older individuals in selected health care settings.

NUR 133 Clinical III: Application of Basic Concepts of Maternal-Newborn and Pediatric Nursing

1.5 Credits

Introduces the learner to the childbearing, newborn, and pediatric client as a foundation course. Provides an opportunity for the learner to apply the principles learned in Basic Concepts of Maternal-Newborn Nursing and in Basic Concepts of Nursing of Children.

NUR 134 Clinical IV: Advanced Application of Adult Health

4.5 Credits

Provides the learner with the opportunity to enhance the application and integration of nursing theory with multiple clients. The focus is on the scope of practice for the Practical Nurse and the transition from the role of learner to graduate Practical Nurse. Emphasis is on the physical, psychosocial, spiritual, and ethnocultural needs of multiple clients in selected care settings.

NUR 175 Special Topics: IV Therapy for Practical Nurses

2 Credits

Provides Practical Nursing students with an opportunity to expand their nursing roles by learning appropriate procedures for intravenous therapy and venous blood withdrawal. The course includes lecture, laboratory practice, and clinical experiences. The course prepares the student for IV certification under State Board of Nursing Chapter IX Rules.

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NUR 179 Nursing Seminar: Expansion of Basic Concepts in Nursing **1 Credit**

This course is designed to expand on basic concepts of nursing and to assist entry level nursing students to be successful students and to expand upon nursing roles and responsibilities. This course will explore in more depth learning skills for critical thinking, medical terminology, techniques of therapeutic communication, nursing process, writing nursing care plans, culture, spirituality, law, and ethics.

NUR180 Nursing Seminar: Advance Pharmacology Concepts **1 Credit**

This course will explore in more depth the concepts of pharmacology. Will need to have successfully completed NUR 110 before can take this course

NUR 185 Review of Nursing Concepts **1-4 Credits**

This course is designed to meet the needs of the returning or transfer student. May include theory, lab, and/or clinical components. Students must have completed applicable theory courses within the past five years with a grade of C or better and clinical courses within the past three years with a C or better.

Note: Course Curriculum currently under revision and will be changed in 2007 -2008

ADULT NURSE ASSISTANT

THE PROGRAM

This program is designed to meet the Certified Nurse Aide training requirements outlined by the Colorado State Board of Nursing. Successful completers are eligible to take the state CNA examinations.

CAREER OPPORTUNITIES

CNAs primarily work in long-term care facilities and home health care agencies. Wages range form \$8.00 to \$10.00 per hour in rural long-term care facilities.

PREREQUISITES

Students must show proof of a negative PPD or chest x-ray within the past year. Students must have begun the Hepatitis B series immunization or sign a waiver.

CONTINUING EDUCATION

Licensed, practicing CNAs are often required to maintain a current AHA Health Care Provider Course C card. The EMS Department at DMTC helps fulfill that training requirement by offering both new and renewal AHA Health Care Provider Course C classes on a monthly basis.

COOPERATIVE EDUCATION

DMTC partners with the nursing homes in Delta and Montrose Counties to provide clinical training opportunities for CNA students. We also partner with the nursing homes to provide CNA training for their employees who need certification.

CLASS AVAILABILITY

This three-week program is offered monthly throughout the year. Classes usually meet Monday through Friday from 8:00 a.m. to 4:00 p.m. on lecture days, and 6:00 a.m. to 2:30 p.m. on clinical days. (Class times subject to change.) This is a 104-hour, 6.6 credit course.

<u>ADULT NURSE ASSISTANT</u>	<u>CREDITS</u>
CNA101 Nurse Assistant Theory	4.1
CNA102 Nurse Assistant Lab	1.5
CNA103 Nurse Assistant Clinical.....	1.0
Total Credits	6.6

COURSE DESCRIPTIONS

CNA101 Nurse Assistant Theory **4.1 Credits**

The fundamental skills required by Nursing Assistants are studied. They include, but are not limited to, making beds, lifting and moving patients/residents, observing and reporting vital signs, special treatments

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in dealing with fluids and wastes, infection control, communication skills, admissions, discharge, and transferring of patients/ clients. Basic personal care skills are studied. These include oral hygiene, shaving, hair care, nail care, bathing, and dressing. Students study the needs of the geriatric patient/resident as related to mental health problems that may be occurring such as memory loss, depression, anxiety, paranoid thinking, and combative tendencies. They learn to recognize the social service needs of the patient/resident such as identifying personal needs, financial concerns, or other social concerns. Proper assessing and reporting of these needs are emphasized. Students learn the importance of assisting the patient/resident to maintain as much independence as possible. They learn to identify basic patient rights, as well as identify ways that these rights are protected. They also learn to identify actions that violate the patient, and to identify and report elder abuse. They learn the basic needs of the elderly, signs and symptoms indicating these needs are not being met, and physiological changes that occur with the aging process. Developmental tasks of the elderly are identified.

Adaptation of skills in caring for the elderly and changes that occur in that population are emphasized.

CNA102 Nurse Assistant Lab

1.5 Credits

Students practice and apply the skills presented in theory in a supervised lab setting using mannequins and peers as subjects.

CNA103 Nurse Assistant Clinical

1 Credit

Orientation to the facility is conducted and the students practice and apply, under instructor supervision, the skills they have learned in theory and practiced in the lab setting.