Implementation Date
Fall 2008

PROGRAM CONCENTRATION: Healthcare Science
CAREER PATHWAY: Therapeutic Services – Medical Services
COURSE TITLE: Medical Services Internship

PREREQUISITES: Introduction to Healthcare Science, Applications of Therapeutic Services, General Medicine

This internship focuses on the applications of medical services skills and technology. Recommended course length is 150 hours with content focus as delineated in the internship performance standards. A minimum of 90 clinical application hours is required. The additional 60 internship hours may be utilized in the class, lab, or clinic settings.

SAFETY AND SECURITY

HS-TSMI-1. Students will understand and apply principles of safety and security in a health care setting.

a. Identify unsafe working conditions and how to maintain a safe work environment and prevent accidents.
b. Demonstrate methods of fire prevention including location of extinguishers and alarms.
c. Demonstrate appropriate action when observing a hazardous materials problem.
d. Differentiate between infectious diseases and noninfectious diseases and demonstrate the use of standard precautions as described in the rules and regulations set forth by the Occupational Safety and Health Administration.
e. Demonstrate strategies for staying healthy and disability prevention to include body ergonomics and the development of a stress control plan.
f. Identify and maintain security procedures as designated by each healthcare clinic, facility, office, and/or system utilized.

ACADEMIC STANDARDS:

SCSh2. Students will use standard safety practices for all classroom laboratory and workplace investigations.

INTERPERSONAL

HS-TSMI-2. Students will apply principles of communication and customer service in all healthcare settings utilized.

a. Demonstrate the ability to communicate with courtesy, empathy, tact, and emotional control with clients, visitors, and other staff members while

demonstrating respect for cultural, social, and ethnic diversity in all professional environments utilized for internship.

b. Demonstrate correct use of the telephone, fax, intercom, pager, and other office equipment while maintaining confidentiality.
c. Demonstrate appropriate etiquette when receiving telephone calls, emails, fax, memos, and/or dealing with complaints.

Information Processing

HS-TSMI-3. Students will interpret and process pertinent medical and non-medical information.

a. Demonstrate basic math skills including, but not limited to: interpreting and recording data on graphs, charts, and tables; demonstrating conversions between Roman and Arabic numerals and U.S. Standard time (Greenwich Mean Time) and Military time (24 hour clock); and applying conversion constants between metric and avoirdupois systems and within each system.
b. Demonstrate methods used to determine pertinent criteria including problem and resource identification in a given situation.
c. Demonstrate problem-solving techniques.
d. Demonstrate prioritization and decision-making skills including identification of medical conditions or situations which would take priority over others.

ACADEMIC STANDARDS:

MM2P1. Students will solve problems (using appropriate technology).

MM2P4. Students will make connections among mathematical ideas and to other disciplines.

ELA9RL5. The student understands and acquires new vocabulary and uses it correctly in reading and writing.

ELA10W1(a). Establishes a clear, distinctive perspective and maintains a consistent tone and focus throughout.

ELA10LSV1. The student participates in student-to-teacher, student-to-student, and group verbal interactions.

OCCUPATION SPECIFIC

HS-TSMI-3. Students will acquire nursing essential skills and apply in a clinical setting for a minimum of 40 hours.

a. Demonstrate professional demeanor at all times both in the classroom and within the healthcare facilities.
b. Demonstrate communication and appropriate customer service skills.
c. Demonstrate an understanding of professional ethics and legal responsibilities.
d. Understand the importance of and demonstrate data collection as it relates to the goals, objectives, and implementation of the treatment plan according to their scope of practice.
e. Understand and apply infection control guidelines including techniques for maintaining isolation.
f. Examine the trends, financing, and principles of healthcare economics including the importance of safety practices.
g. Understand and utilize terminology related to the human anatomy.
h. Demonstrate understanding of and perform advanced technical skills in musculoskeletal system care – Physical Therapy and Orthopedics.
i. Understand and demonstrate the process for monitoring client health status according to professional standards and report results accurately – MedSurg (Medical and Surgical).
j. Demonstrate understanding of advanced technical skills in respiratory care – Respiratory Therapy.
k. Demonstrate understanding of advanced technical skills in wound care within their scope of practice – MedSurg (Medical and Surgical).
l. Demonstrate understanding of advanced technical skills in nutrition and fluid intake, elimination, and ostomy care –Medical Laboratory, Gastroenterology, and Urology.
m. Demonstrate understanding of and perform advanced technical skills in cardiovascular care – Medical Laboratory and Cardiology
n. Demonstrate understanding of the services provided in diagnostic imaging –Diagnostic Imaging Services (Radiology)

ACADEMIC STANDARDS:

SSCG6. The student will demonstrate knowledge of civil liberties and civil rights.

SCSh3. Students will identify and investigate problems scientifically.

SCHSh4. Students use tools and instruments for observing, measuring and manipulating scientific equipment and materials.

SCSh5. Students will demonstrate the computation and estimation skills necessary for analyzing data and developing reasonable scientific explanations

SSEPF2. The student will give examples of how rational decision making entails comparing the marginal benefits and the marginal costs of an action

SSEV4. Students will understand and describe availability, allocation, and conservation of energy and other resources.

SSEV 5. Students will recognize that human beings are part of the global ecosystem and will evaluate the effects of human activities and technology on ecosystems.

ELA9RL5. The student understands and acquires new vocabulary and uses it correctly in reading and writing.

SAP2. Students will analyze the interdependence of the integumentary, skeletal and muscular systems as these relate to the protection, support and movement of the human body.

SAP1. Students will analyze anatomical structures in relationship to their physiological functions.

MM4P3. Students will communicate mathematically.

MM4P4. Students will make connections among mathematical ideas and to other disciplines.

MM4P5. Students will represent mathematics in multiple ways.

SAP4. Students will analyze the physical, chemical and biological properties of process systems as they relate to transportation, absorption and excretion including the cardiovascular, respiratory, digestive, excretory systems

CTAE Foundation Skills

The Foundation Skills for Career, Technical and Agricultural Education (CTAE) are critical competencies that students pursuing any career pathway should exhibit to be successful. As core standards for all career pathways in all program concentrations, these skills link career, technical and agricultural education to the state's academic performance standards.

The CTAE Foundation Skills are aligned to the foundation of the U. S. Department of Education's 16 Career Clusters. Endorsed by the National Career Technical Education Foundation (NCTEF) and the National Association of State Directors of Career Technical Education Consortium (NASDCTEc), the foundation skills were developed from an analysis of all pathways in the sixteen occupational areas. These standards were identified and validated by a national

advisory group of employers, secondary and postsecondary educators, labor associations, and other stakeholders. The Knowledge and Skills provide learners a broad foundation for managing lifelong learning and career transitions in a rapidly changing economy.

CTAE-FS-1 Technical Skills: Learners achieve technical content skills necessary to pursue the full range of careers for all pathways in the program concentration.

CTAE-FS-2 Academic Foundations: Learners achieve state academic standards at or above grade level.

CTAE-FS-3 Communications: Learners use various communication skills in expressing and interpreting information.

CTAE-FS-4 Problem Solving and Critical Thinking: Learners define and solve problems, and use problem-solving and improvement methods and tools.

CTAE-FS-5 Information Technology Applications: Learners use multiple information technology devices to access, organize, process, transmit, and communicate information.

CTAE-FS-6 Systems: Learners understand a variety of organizational structures and functions.

CTAE-FS-7 Safety, Health and Environment: Learners employ safety, health and environmental management systems in corporations and comprehend their importance to organizational performance and regulatory compliance.

CTAE-FS-8 Leadership and Teamwork: Learners apply leadership and teamwork skills in collaborating with others to accomplish organizational goals and objectives.

CTAE-FS-9 Ethics and Legal Responsibilities: Learners commit to work ethics, behavior, and legal responsibilities in the workplace.

CTAE-FS-10 Career Development: Learners plan and manage academic-career plans and employment relations.

CTAE-FS-11 Entrepreneurship: Learners demonstrate understanding of concepts, processes, and behaviors associated with successful entrepreneurial performance.

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