

Diagnostic Services: High School

Foundational Standards

- 1 Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces. F.1**

- 2 Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork. F.2**

- 3 Explore the range of careers available in the field and investigate their educational requirements and demonstrate job-seeking skills including resume-writing and interviewing. F.3**

- 4 Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway. F.4**

- 5 Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork. F.5**

- 6 Demonstrate effective infection control techniques as defined by the Centers for Disease Control and Prevention (CDC) and The Joint Commission guidelines. F.6**

Diagnostic Careers

- 1 Compare roles and responsibilities of professionals in various diagnostic service careers. 1**

Legal and Ethical Issues

- 2 Analyze responsibilities and limitations set forth in criminal and civil healthcare laws and explain their implications for workers in diagnostic services careers. 2**
 - a Review and report on federal legislation regarding healthcare practices and their effects on patient care procedures in diagnostic services. 2.A

- 3 Analyze healthcare-related ethical issues and their implications for respecting patients' cultural, social, and ethnic differences in delivering diagnostic services. 3**
 - a Demonstrate respectful and empathetic treatment of all patients, clients, and families encountered in diagnostic service settings. 3.A

Medical Mathematics	4 Demonstrate proficiency in making and recording calculations commonly used in healthcare settings. 4
	5 Interpret charts, graphs, tables, and diagrams used in diagnostic careers, including vital signs graphic sheet, body mass index (BMI) graph, and lab result analysis sheet. 5
Anatomy	6 Relate specific body systems, including gross organ structures and general functions, to diagnostic healthcare skills. 6
Diseases and Disorders	7 Describe the etiology, pathology, and diagnosis of diseases and disorders that are commonly encountered by diagnostic service professionals. 7
Communication	8 Utilize effective therapeutic communication with patients and families in diagnostic service settings. 8
	9 Create documentation according to facility policy and industry standards, including records of the administration and results of diagnostic tests. 9
Diagnostic Skills	10 Explain procedures utilized in diagnostic services and describe the equipment and supplies needed for each one. 10
	11 Demonstrate skills necessary for specified diagnostic careers. 11
Health Technology	12 Demonstrate safe use of health technology in specified diagnostic service settings. 12
	13 Research and utilize billing codes to document diagnostic procedures. 13