

# Introduction to Medical Diagnostics

Career Cluster	Health Science
Course Code	
Prerequisite(s)	None
Credit	1 credit
Graduation Requirement	None
Program of Study and Sequence	Cluster course – <b>Introduction to Medical Diagnostics</b> – Medical Intervention or capstone experience
Student Organization	Future Health Professionals (HOSA) & Skills USA
Coordinating Work-Based Learning	Work-Based Learning: Job Shadowing and Internship
Industry Certifications	None
Dual Credit or Dual Enrollment	None
Teacher Certification	CTE certified with Health Science Endorsement
Resources	Local healthcare facility

**Course Description:** Diagnostic services creates a picture of the health status of a patient at a single point in time. Introduction to Medical Diagnostics will address tests and evaluations that aid in the detection, diagnosis, and treatment of disease, injury, or other physical conditions.

### Program of Study Application

Introduction to Medical Diagnostics is the first pathway course in the Health Science career cluster, Diagnostics pathway. The course would follow participation in one or more cluster courses. Completion of Introduction to Health Informatics would prepare a student to participate in Medical Intervention or a capstone experience.

**Course Standards**

**IMD 1: Investigate Diagnostic Pathway careers.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	IMD 1.1 Compare and contrast scope of practice of diagnostic careers.	For example: Laboratory, Radiology, Optometry, Audiology, and Cardiac Diagnostics Use of South Dakota MyLife website
One Recall	IMD 1.2 Identify educational requirements for specific careers.	
One Recall	IMD 1.3 Identify workforce needs and compensation.	
One Recall	IMD 1.4 Understand licensure, registration, or certification requirements.	American Medical Technologists <a href="http://www.americanmedtech.com">www.americanmedtech.com</a> American Registry of Radiologic Technologists <a href="http://www.arrt.org">www.arrt.org</a>

**Notes**

**IMD 2: Acquire the skills necessary to work in any healthcare facility.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	IMD 2.1 Define the Health Insurance Portability and Accountability Act (HIPAA) and explain how it provides confidentiality for healthcare information.	Health Insurance Portability and Accountability Act (HIPAA)
Two Skill/Concept	IMD 2.2 Demonstrate infection control standard precautions.	
Two Skill/Concept	IMD 2.3 Apply and demonstrate professional appearance.	As it applies to uniforms, shoes, nails, hair, jewelry, fragrances, and makeup. Identify conflicts of appearance with quality diagnostic services.

**Notes**

**IMD 3: Understand the dynamics of a healthcare diagnostic workplace.**

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	IMD 3.1 Identify workplace equipment, protocol, and procedures.	Work-based learning experiences, virtual tours, interviewing diagnostic healthcare workings, journaling, and reflections.
One Recall	IMD 3.2 Identify professional communication and teamwork.	Work-based learning experiences, virtual tours, interviewing diagnostic healthcare workings, journaling, and reflections
One Recall	IMD 3.3 Identify professional level patient care and interaction.	Work-based learning experiences, virtual tours, interviewing diagnostic healthcare workings, journaling, and reflections

**Notes**