



Introduction to Medical Diagnostics

Career Cluster	Health Science
Course Code	14102
Prerequisite(s)	None
Credit	1.0
Program of Study and Sequence	Cluster course – Introduction to Medical Diagnostics – Medical Intervention or capstone experience
Student Organization	Future Health Professionals (HOSA), Skills USA
Coordinating Work-Based Learning	Guest speakers, project-based learning, community outreach, internships, job shadowing, field trips, and industry partnerships
Industry Certifications	National Career Readiness Certificate (NCRC)
Dual Credit or Dual Enrollment	https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf
Teacher Certification	Health Science Cluster Endorsement; Diagnostic Services Pathway Endorsement; *Health Science Education
Resources	Local healthcare facility

Course Description

Diagnostic services create 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>
Two Skill/Concept	IMD 1.1 Compare and contrast scope of practice of diagnostic careers.
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 Identify licensure, registration, or certification requirements.

IMD 2: Recognize skills necessary to work in any healthcare facility.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	IMD 2.1 Summarize the Health Insurance Portability and Accountability Act (HIPAA) and how it provides confidentiality for healthcare information.
Two Skill/Concept	IMD 2.2 Demonstrate infection control standard precautions.
Two Skill/Concept	IMD 2.3 Apply and demonstrate professional appearance.

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

<i>Webb Level</i>	<i>Sub-indicator</i>
One Recall	IMD 3.1 Identify workplace equipment, protocol, and procedures.
Two Skill/Concept	IMD 3.2 Demonstrate professional communication and teamwork.
Four Extended Thinking	IMD 3.3 Apply professional level patient care and interaction scenarios.