

The Pathway Knowledge and Skills Chart describes what all/most learners/workers need to know and be able to do to demonstrate competence within a career pathway. Following the pathway description, there are four sets of knowledge and skill expectations:



PATHWAY DESCRIPTION

Diagnostic Services Pathway: Careers in the Diagnostic Services pathway use tests and evaluations that aid in the detection, diagnosis and treatment of diseases, injuries or other physical conditions.

A. FOUNDATIONAL ACADEMIC EXPECTATIONS

All secondary students should meet their state's academic standards. All Essential Cluster and Pathway Knowledge and Skills are predicated on the assumption that foundational academic skills have been attained. Some knowledge and skill statements will further define critical linkages and applications of academics in the cluster and/or pathway.

A. Foundational Academic Expectations
B. Essential Knowledge and Skills
C. Cluster (Foundation) Knowledge and Skills
D. Pathway Knowledge and Skills

B. ESSENTIAL KNOWLEDGE AND SKILLS

The following Essential Knowledge and Skill statements apply to careers in all clusters and pathways. Persons preparing for careers in this pathway should be able to demonstrate these skills in the context of this cluster and pathway.

A. Foundational Academic Expectations
B. Essential Knowledge and Skills
C. Cluster (Foundation) Knowledge and Skills
D. Pathway Knowledge and Skills

Essential Topic ESS01

ESS01.01

ACADEMIC FOUNDATIONS: Achieve additional academic knowledge and skills required to pursue the full range of career and postsecondary education opportunities within a career cluster.

Complete required training, education, and certification to prepare for employment in a particular career field.



ESS01.01.01	Identify training, education and certification requirements for occupational choice.
ESS01.01.02	Participate in career-related training and/or degree programs.
ESS01.01.03	Pass certification tests to qualify for licensure and/or certification in chosen occupational area.
ESS01.02	Demonstrate language arts knowledge and skills required to
	pursue the full range of post-secondary education and career
	opportunities.
ESS01.02.01	Model behaviors that demonstrate active listening.
ESS01.02.02	Adapt language for audience, purpose, situation. (i.e. diction/structure,
20001.02.02	style).
ESS01.02.03	Organize oral and written information.
ESS01.02.04	Compose focused copy for a variety of written documents such as
	agendas, audio-visuals, bibliographies, drafts, forms/documents, notes, oral
	presentations, reports, and technical terminology.
ESS01.02.05	Edit copy to create focused written documents such as agendas, audio-
	visuals, bibliographies, drafts, forms/documents, notes, oral presentations,
	reports, and technical terminology.
ESS01.02.06	Comprehend key elements of oral and written information such as
	cause/effect, comparisons/contrasts, conclusions, context, purpose,
	charts/tables/graphs, evaluation/critiques, mood, persuasive text,
	sequence, summaries, and technical subject matter.
ESS01.02.07	Evaluate oral and written information for accuracy, adequacy/sufficiency,
	appropriateness, clarity, conclusions/solutions, fact/opinion, propaganda,
	relevancy, validity, and relationship of ideas.
ESS01.02.08	Identify assumptions, purpose, outcomes/solutions, and propaganda
	techniques.
ESS01.02.09	Predict potential outcomes and/or solutions based on oral and written
	information regarding trends.
ESS01.02.10	Present formal and informal speeches including discussion, information
	requests, interpretation, and persuasive arguments.
ESS01.03	Demonstrate mathematics knowledge and skills required to pursue
	the full range of post-secondary education and career
	opportunities.
ESS01.03.01	Identify whole numbers, decimals, and fractions.
ESS01.03.02	Demonstrate knowledge of basic arithmetic operations such as addition,
	subtraction, multiplication, and division.
ESS01.03.03	Demonstrate use of relational expressions such as equal to, not equal,
	greater than, less than, etc.
ESS01.03.04	Apply data and measurements to solve a problem.
ESS01.03.05	Analyze Mathematical problem statements for missing and/or irrelevant
	data.
ESS01.03.06	Construct charts/tables/graphs from functions and data.
ESS01.03.07	Analyze data when interpreting operational documents.



ESS01.04	Demonstrate science knowledge and skills required to pursue the full range of post-secondary and career education opportunities.
ESS01.04.01	Evaluate scientific constructs including conclusions, conflicting data, controls, data, inferences, limitations, questions, sources of errors, and variables.
ESS01.04.02	Apply scientific methods in qualitative and quantitative analysis, data gathering, direct and indirect observation, predictions, and problem identification.
Essential Topic ESS02	COMMUNICATIONS: Use oral and written communication skills in creating, expressing and interpreting information and ideas including technical terminology and information.
ESS02.01	Select and employ appropriate reading and communication strategies to learn and use technical concepts and vocabulary in practice.
ESS02.01.01	Determine the most appropriate reading strategy for identifying the overarching purpose of a text (i.e. skimming, reading for detail, reading for meaning or critical analysis).
ESS02.01.02	Demonstrate use of content, technical concepts and vocabulary when analyzing information and following directions.
ESS02.01.03	Select the reading strategy or strategies needed to fully comprehend the content within a written document (i.e., skimming, reading for detail, reading for meaning or critical analysis).
ESS02.01.04	Interpret information, data, and observations to apply information learned from reading to actual practice.
ESS02.01.05	Transcribe information, data, and observations to apply information learned from reading to actual practice.
ESS02.01.06	Communicate information, data, and observations to apply information learned from reading to actual practice.
ESS02.02	Demonstrate use of the concepts, strategies, and systems for obtaining and conveying ideas and information to enhance communication in the workplace.
ESS02.02.01	Employ verbal skills when obtaining and conveying information.
ESS02.02.02	Record information needed to present a report on a given topic or problem.
ESS02.02.03	Write internal and external business correspondence that conveys and/or obtains information effectively.
ESS02.02.04	Communicate with other employees to clarify workplace objectives.
ESS02.02.05	Communicate effectively with customers and employees to foster positive relationships.
ESS02.03	Locate, organize and reference written information from various sources to communicate with co-workers and clients/participants.



ESS02.03.01	Locate written information used to communicate with co-workers and customers.
ESS02.03.02 ESS02.03.03	Organize information to use in written and oral communications. Reference the sources of information.
ESS02.04	Evaluate and use information resources to accomplish specific
	occupational tasks.
ESS02.04.01	Use informational texts, Internet web sites, and/or technical materials to
500000400	review and apply information sources for occupational tasks.
ESS02.04.02	Evaluate the reliability of information from informational texts, Internet Web
ESS02.05	sites, and/or technical materials and resources. Use correct grammar, punctuation and terminology to write and
E3302.03	edit documents.
ESS02.05.01	Compose multi-paragraph documents clearly, succinctly, and accurately.
L3302.03.01	Compose multi-paragraph documents clearly, succincity, and accurately.
ESS02.05.02	Use descriptions of audience and purpose when preparing and editing written documents.
ESS02.05.03	Use correct grammar, spelling, punctuation, and capitalization when preparing written documents.
ESS02.06	Develop and deliver formal and informal presentations using
	appropriate media to engage and inform audiences.
ESS02.06.01	Prepare oral presentations to provide information for specific purposes and
E0000 00 00	audiences.
ESS02.06.02	Identify support materials that will enhance an oral presentation.
ESS02.06.03 ESS02.06.04	Prepare support materials that will enhance an oral presentation. Deliver an oral presentation that sustains listeners' attention and interest.
L3302.00.04	Deliver an oral presentation that sustains listeners attention and interest.
ESS02.06.05	Align presentation strategies to the intended audience.
ESS02.06.06	Implement multi-media strategies for presentations.
ESS02.07	Interpret verbal and nonverbal cues/behaviors to enhance
	communication with co-workers and clients/participants.
ESS02.07.01	Interpret verbal behaviors when communicating with clients and coworkers.
ESS02.07.02	Interpret nonverbal behaviors when communicating with clients and coworkers.
ESS02.08	Apply active listening skills to obtain and clarify information.
ESS02.08.01	Interpret a given verbal message/information.
ESS02.08.02	Respond with restatement and clarification techniques to clarify information.
ESS02.09	Develop and interpret tables, charts, and figures to support written
	and oral communications.
ESS02.09.01	Create tables, charts, and figures to support written and oral communications.
ESS02.09.02	Interpret tables, charts, and figures used to support written and oral communication.



E6602.40	Liston to and appale with diverse individuals to enhance
ESS02.10	Listen to and speak with diverse individuals to enhance communication skills.
ESS02.10.01	Apply factors and strategies for communicating with a diverse workforce.
ESS02.10.02	Demonstrate ability to communicate and resolve conflicts within a diverse workforce.
ESS02.11	Exhibit public relations skills to increase internal and external customer/client satisfaction.
ESS02.11.01	Communicate effectively when developing positive customer/client relationships.
Essential Topic ESS03	PROBLEM-SOLVING AND CRITICAL THINKING: Solve problems using critical thinking skills (analyze, synthesize, and evaluate) independently and in teams. Solve problems using creativity and innovation.
ESS03.01	Employ critical thinking skills independently and in teams to solve problems and make decisions (e.g., analyze, synthesize and evaluate).
ESS03.01.01	Identify common tasks that require employees to use problem-solving skills.
ESS03.01.02	Analyze elements of a problem to develop creative solutions.
ESS03.01.03	Describe the value of using problem-solving and critical thinking skills to improve a situation or process.
ESS03.01.04	Create ideas, proposals, and solutions to problems.
ESS03.01.05	Evaluate ideas, proposals, and solutions to problems.
ESS03.01.06	Use structured problem-solving methods when developing proposals and solutions.
ESS03.01.07	Generate new and creative ideas to solve problems by brainstorming possible solutions.
ESS03.01.08	Critically analyze information to determine value to the problem-solving task.
ESS03.01.09	Guide individuals through the process of recognizing concerns and making informed decisions.
ESS03.01.10	Identify alternatives using a variety of problem-solving and critical thinking skills.
ESS03.01.11	Evaluate alternatives using a variety of problem-solving and critical thinking skills.
ESS03.02	Employ critical thinking and interpersonal skills to resolve conflicts
20000.02	with staff and/or customers.
ESS03.02.01	Analyze situations and behaviors that affect conflict management.
ESS03.02.02	Determine best options/outcomes for conflict resolution using critical
	thinking skills.
ESS03.02.03	Identify with others' feelings, needs, and concerns.
ESS03.02.04	Implement stress management techniques.
ESS03.02.05	Resolve conflicts with/for customers using conflict resolution skills.



ESS03.02.06 ESS03.03	Implement conflict resolution skills to address staff issues/problems. Identify, write and monitor workplace performance goals to guide progress in assigned areas of responsibility and accountability.
ESS03.03.01 ESS03.03.02 ESS03.03.03	Write realistic performance goals, objectives and action plans. Monitor performance goals and adjust as necessary. Recognize goal achievement using appropriate rewards in the workplace.
ESS03.03.04 ESS03.04	Communicate goal achievement with managers and co-workers. Conduct technical research to gather information necessary for decision-making.
ESS03.04.01 ESS03.04.02 ESS03.04.03 ESS03.04.04	Align the information gathered to the needs of the audience. Gather technical information and data using a variety of resources. Analyze information and data for value to the research objectives. Evaluate information and data to determine value to research objectives.
Essential Topic ESS04	INFORMATION TECHNOLOGY APPLICATIONS: Use information technology tools specific to the career cluster to access, manage, integrate, and create information.
ESS04.01	Use Personal Information Management (PIM) applications to
ESS04.01.01	increase workplace efficiency. Manage personal schedules and contact information.
ESS04.01.02	Create memos and notes.
ESS04.01.02 ESS04.02 ESS04.02.01	· ·
ESS04.02	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a
ESS04.02 ESS04.02.01 ESS04.03 ESS04.03.01 ESS04.03.02	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems.
ESS04.02 ESS04.02.01 ESS04.03	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations.
ESS04.02 ESS04.02.01 ESS04.03.01 ESS04.03.02 ESS04.03.03 ESS04.04 ESS04.04.01 ESS04.04.02	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations. Operate Internet applications to perform workplace tasks. Access and navigate Internet (e.g., use a web browser). Search for information and resources.
ESS04.02 ESS04.02.01 ESS04.03.01 ESS04.03.02 ESS04.03.03 ESS04.04 ESS04.04.01 ESS04.04.02 ESS04.04.03	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations. Operate Internet applications to perform workplace tasks. Access and navigate Internet (e.g., use a web browser). Search for information and resources. Evaluate Internet resources for reliability and validity.
ESS04.02 ESS04.02.01 ESS04.03.01 ESS04.03.02 ESS04.03.03 ESS04.04 ESS04.04.01 ESS04.04.02	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations. Operate Internet applications to perform workplace tasks. Access and navigate Internet (e.g., use a web browser). Search for information and resources. Evaluate Internet resources for reliability and validity. Operate writing and publishing applications to prepare business
ESS04.02 ESS04.02.01 ESS04.03.01 ESS04.03.02 ESS04.03.03 ESS04.04 ESS04.04.01 ESS04.04.02 ESS04.04.03	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations. Operate Internet applications to perform workplace tasks. Access and navigate Internet (e.g., use a web browser). Search for information and resources. Evaluate Internet resources for reliability and validity. Operate writing and publishing applications to prepare business communications. Prepare simple documents and other business communications by integrating graphics
ESS04.02 ESS04.02.01 ESS04.03.01 ESS04.03.01 ESS04.03.02 ESS04.03.03 ESS04.04 ESS04.04.01 ESS04.04.02 ESS04.04.03 ESS04.05 ESS04.05	Create memos and notes. Employ technological tools to expedite workflow. Use information technology tools to manage and perform work responsibilities. Operate electronic mail applications to communicate within a workplace. Use email to share files and documents. Identify the functions and purpose of email systems. Use email to communicate within and across organizations. Operate Internet applications to perform workplace tasks. Access and navigate Internet (e.g., use a web browser). Search for information and resources. Evaluate Internet resources for reliability and validity. Operate writing and publishing applications to prepare business communications. Prepare simple documents and other business communications.



ESS04.06.02 ESS04.07	Deliver presentations with supporting materials. Employ spreadsheet applications to organize and manipulate data.
ESS04.07.01 ESS04.07.02 ESS04.08 ESS04.08.01 ESS04.08.02 ESS04.08.03	Create a spreadsheet. Perform calculations and analyses on data using a spreadsheet. Employ database applications to manage data. Manipulate data elements. Manage interrelated data elements. Analyze interrelated data elements.
ESS04.08.04 ESS04.09	Generate reports showing interrelated data elements. Employ collaborative/groupware applications to facilitate group
	work.
ESS04.09.01	Facilitate group work through management of shared schedule and contact information.
ESS04.09.02	Facilitate group work through management of shared files and online information.
ESS04.09.03	Facilitate group work through instant messaging or virtual meetings.
ESS04.10	Employ computer operations applications to manage work tasks.
ESS04.10.01	Manage computer operations.
ESS04.10.02	Manage file storage.
ESS04.10.03	Compress or alter files.
ESS04.11	Use computer-based equipment (containing embedded computers
	or processors) to control devices.
ESS04.11.01	Operate computer driven equipment and machines.
ESS04.11.02	Use installation and operation manuals.
ESS04.11.03	Troubleshoot computer driven equipment and machines.
ESS04.11.04	Access support as needed to maintain operation of computer driven
	equipment and machines.
	SYSTEMS: Understand roles within teams, work units, departments,
Essential Topic ESS05	organizations, inter-organizational systems, and the larger environment. Identify how key organizational systems affect organizational performance and the quality of products and services. Understand global context of industries and careers.
ESS05.01	Describe the nature and types of business organizations to build
	an understanding of the scope of organizations.
ESS05.01.01	List the types and functions of businesses.
ESS05.01.02	Describe the types and functions of businesses.
ESS05.01.03	Explain the functions and interactions of common departments within a business.
ESS05.02	Implement quality control systems and practices to ensure quality products and services.



ESS05.02.01 Describe quality control standards and practices common to the workplace.

Essential Topic ESS06	SAFETY, HEALTH AND ENVIRONMENTAL: Understand the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance. Follow organizational policies and procedures and contribute to continuous improvement in performance and compliance.
ESS06.01	Implement personal and jobsite safety rules and regulations to maintain safe and healthful working conditions and environments.
	maintain sale and healthful working conditions and chiviloninents.
ESS06.01.01	Assess workplace conditions with regard to safety and health.
ESS06.01.02	Align safety issues with appropriate safety standards to ensure a safe workplace/jobsite.
ESS06.01.03	Identify safety hazards common to workplaces.
ESS06.01.04	Identify safety precautions to maintain a safe worksite.
ESS06.01.05	Select appropriate personal protective equipment as needed for a safe workplace/jobsite.
ESS06.01.06	Inspect personal protective equipment commonly used for selected career pathway.
ESS06.01.07	Use personal protective equipment according to manufacturer rules and regulations.
ESS06.01.08	Employ a safety hierarchy and communication system within the workplace/jobsite.
ESS06.01.09	Implement safety precautions to maintain a safe worksite.
ESS06.02	Complete work tasks in accordance with employee rights and
	responsibilities and employers obligations to maintain workplace
	safety and health.
ESS06.02.01	Identify rules and laws designed to promote safety and health in the workplace.
ESS06.02.02	State the rationale of rules and laws designed to promote safety and health.
ESS06.03	Employ emergency procedures as necessary to provide aid in
	workplace accidents.
ESS06.03.01	Use knowledge of First Aid procedures as necessary.
ESS06.03.02	Use knowledge of CPR procedures as necessary.
ESS06.03.03	Use safety equipment as necessary.
ESS06.04	Employ knowledge of response techniques to create a disaster
•	and/or emergency response plan.
ESS06.04.01	Complete an assessment of an emergency and/or disaster situation.
ESS06.04.02	Create an emergency and/or disaster plan.



Essential Topic ESS07	LEADERSHIP AND TEAMWORK: Use leadership and teamwork skills in collaborating with others to accomplish organizational goals and objectives.
ESS07.01	Employ leadership skills to accomplish organizational goals and
E0007.04.04	objectives.
ESS07.01.01	Analyze the various roles of leaders within organizations (e.g. contribute ideas; share in building an organization; act as role models to employees by adhering to company policies, procedures, and standards; promote the organization's vision; and mentor others).
ESS07.01.02	Exhibit traits such as empowerment, risk, communication, focusing on results, decision-making, problem solution, and investment in individuals when leading a group in solving a problem.
ESS07.01.03	Exhibit traits such as compassion, service, listening, coaching, developing others, team development, and understanding and appreciating others when acting as a manager of others in the workplace.
ESS07.01.04	Exhibit traits such as enthusiasm, creativity, conviction, mission, courage, concept, focus, principle-centered living, and change when interacting with others in general.
ESS07.01.05	Consider issues related to self, team, community, diversity, environment, and global awareness when leading others.
ESS07.01.06	Exhibit traits such as innovation, intuition, adaptation, life-long learning and coachability to develop leadership potential over time.
ESS07.01.07	Analyze leadership in relation to trust, positive attitude, integrity, and willingness to accept key responsibilities in a work situation.
ESS07.01.08	Describe observations of outstanding leaders using effective management styles.
ESS07.01.09	Participate in civic and community leadership and teamwork opportunities to enhance skills.
ESS07.02	Employ organizational and staff development skills to foster
	positive working relationships and accomplish organizational
	goals.
ESS07.02.01	Implement organizational skills when facilitating others' work efforts.
ESS07.02.02	Explain how to manage a staff that satisfies work demands while adhering to budget constraints.
ESS07.02.03	Describe how staff growth and development to increase productivity and employee satisfaction.
ESS07.02.04	Organize team involvement within a group environment.
ESS07.02.05	Work with others to develop and gain commitment to team goals.
ESS07.02.06	Distribute responsibility and work load fairly.
ESS07.02.07	Model leadership and teamwork qualities to aid in employee morale.
ESS07.02.08	Identify best practices for successful team functioning.
ESS07.02.09	Explain best practices for successful team functioning.



ESS07.03	Employ teamwork skills to achieve collective goals and use team members' talents effectively.
ESS07.03.01	Work with others to achieve objectives in a timely manner.
ESS07.03.02	Promote the full involvement and use of team members' individual talents and skills.
ESS07.03.03	Employ conflict-management skills to facilitate solutions.
ESS07.03.04	Demonstrate teamwork skills through working cooperatively with co- workers, supervisory staff, and others, both in and out of the organization, to achieve particular tasks.
ESS07.03.05	Demonstrate teamwork processes that provide team building, consensus, continuous improvement, respect for the opinions of others, cooperation, adaptability, and conflict resolution.
ESS07.03.06	Develop plans to improve team performance.
ESS07.03.07	Demonstrate commitment to and a positive attitude toward team goals.
ESS07.03.08	Take responsibility for shared group and individual work tasks.
ESS07.03.09	Assist team members in completing their work.
ESS07.03.10	Adapt effectively to changes in projects and work activities.
ESS07.03.11	Negotiate effectively to arrive at decisions.
ESS07.04	Establish and maintain effective working relationships with all
	levels of personnel and other departments in order to accomplish
	objectives and tasks.
ESS07.04.01	Build effective working relationships using interpersonal skills.
ESS07.04.02	Use positive interpersonal skills to work cooperatively with co-workers
	representing different cultures, genders and backgrounds.
ESS07.04.03	Manage personal skills to accomplish assignments.
ESS07.04.04	Treat people with respect.
ESS07.04.05	Provide constructive praise and criticism.
ESS07.04.06	Demonstrate sensitivity to and value for diversity.
ESS07.04.07	Manage stress and control emotions.
ESS07.05	Conduct and participate in meetings to accomplish work tasks.
ESS07.05.01	Develop meeting goals, objectives and agenda.
ESS07.05.02	Assign responsibilities for preparing materials and leading discussions.
ESS07.05.03	Prepare materials for leading discussion.
ESS07.05.04	Assemble and distribute meeting materials.
ESS07.05.05	Conduct meeting to achieve objectives within scheduled time.
ESS07.05.06	Demonstrate effective communication skills in meetings.
ESS07.05.07	Produce meeting minutes including decisions and next steps.
ESS07.05.08	Use parliamentary procedure, as needed, to conduct meetings.
ESS07.06	Employ mentoring skills to inspire and teach others.
ESS07.06.01	Use motivational techniques to enhance performance in others.
ESS07.06.02	Provide guidance to enhance performance in others.

Essential Topic ETHICS AND LEGAL RESPONSIBILITIES: Know and understand the importance of professional ethics and legal responsibilities.



ESS08.01	Apply ethical reasoning to a variety of workplace situations in order to make ethical decisions.
ESS08.01.01	Evaluate alternative responses to workplace situations based on legal responsibilities and employer policies.
ESS08.01.02	Evaluate alternative responses to workplace situations based on personal or professional ethical responsibilities.
ESS08.01.03	Identify personal and long-term workplace consequences of unethical or illegal behaviors.
ESS08.01.04	Explain personal and long-term workplace consequences of unethical or illegal behaviors.
ESS08.01.05	Determine the most appropriate response to workplace situations based on legal and ethical considerations.
ESS08.01.06	Explain the most appropriate response to workplace situations based on legal and ethical considerations.
ESS08.02	Interpret and explain written organizational policies and
	procedures to help employees perform their jobs according to
	employer rules and expectations.
ESS08.02.01	Locate information on organizational policies in handbooks and manuals.
ESS08.02.02	Discuss how specific organizational policies and procedures influence a specific work situation.
Essential Topic ESS09	EMPLOYABILITY AND CAREER DEVELOPMENT: Know and understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills.
<u>-</u>	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills.
ESS09	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal
ESS09	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills.
ESS09 ESS09.01	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a
ESS09.01 ESS09.01.01	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a work situation.
ESS09.01 ESS09.01.01 ESS09.01.02	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a work situation. Demonstrate flexibility and willingness to learn new knowledge and skills.
ESS09.01 ESS09.01.01 ESS09.01.02 ESS09.01.03	 understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a work situation. Demonstrate flexibility and willingness to learn new knowledge and skills. Exhibit commitment to the organization. Identify how work varies with regard to site, from indoor confined spaces to outdoor areas, including aerial space and a variety of climatic and physical
ESS09.01 ESS09.01.01 ESS09.01.02 ESS09.01.03 ESS09.01.04	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a work situation. Demonstrate flexibility and willingness to learn new knowledge and skills. Exhibit commitment to the organization. Identify how work varies with regard to site, from indoor confined spaces to outdoor areas, including aerial space and a variety of climatic and physical conditions. Apply communication strategies when adapting to a culturally diverse
ESS09.01.01 ESS09.01.02 ESS09.01.03 ESS09.01.04 ESS09.01.05	understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills. Identify and demonstrate positive work behaviors and personal qualities needed to be employable. Demonstrate self-discipline, self-worth, positive attitude, and integrity in a work situation. Demonstrate flexibility and willingness to learn new knowledge and skills. Exhibit commitment to the organization. Identify how work varies with regard to site, from indoor confined spaces to outdoor areas, including aerial space and a variety of climatic and physical conditions. Apply communication strategies when adapting to a culturally diverse environment. Manage resources in relation to the position (i.e. budget, supplies,



ESS09.02	Develop a personal career plan to meet career goals and
	objectives.
ESS09.02.01	Develop career goals and objectives as part of a plan for future career direction.
ESS09.02.02	Develop strategies to reach career objectives.
ESS09.03	Demonstrate skills related to seeking and applying for employment
	to find and obtain a desired job.
ESS09.03.01	Use multiple resources to locate job opportunities.
ESS09.03.02	Prepare a résumé.
ESS09.03.03	Prepare a letter of application.
ESS09.03.04	Complete an employment application.
ESS09.03.05	Interview for employment.
ESS09.03.06	List the standards and qualifications that must be met in order to enter a given industry.
ESS09.03.07	Employ critical thinking and decision-making skills to exhibit qualifications to a potential employer.
ESS09.04	Maintain a career portfolio to document knowledge, skills and
	experience in a career field.
ESS09.04.01	Select educational and work history highlights to include in a career portfolio.
ESS09.04.02	Produce a record of work experiences, licenses, certifications and products.
ESS09.04.03	Organize electronic or physical portfolio for use in demonstrating knowledge, skills and experiences.
ESS09.05	Demonstrate skills in evaluating and comparing employment
	opportunities in order to accept employment positions that match
	career goals.
ESS09.05.01	Compare employment opportunities to individual needs and career plan objectives.
ESS09.05.02	Evaluate employment opportunities based upon individual needs and career plan objectives.
ESS09.05.03	Demonstrate appropriate methods for accepting or rejecting employment offers.
ESS09.06	Identify and exhibit traits for retaining employment to maintain
	employment once secured.
ESS09.06.01	Model behaviors that demonstrate reliability and dependability.
ESS09.06.02	Maintain appropriate dress and behavior for the job to contribute to a safe
	and effective workplace/jobsite.
ESS09.06.03	Complete required employment forms and documentation such as I-9 form, work visa, W-4 and licensures to meet employment requirements.
ESS09.06.04	Summarize key activities necessary to retain a job in the industry.
ESS09.06.05	Identify positive work behaviors and personal qualities necessary to retain employment.



ESS₁₀

Health Science Career Cluster Diagnostic Services Pathway Knowledge and Skill Statements

ESS09.07	Identify and explore career opportunities in one or more career pathways to build an understanding of the opportunities available in the cluster.
ESS09.07.01	Locate and identify career opportunities that appeal to personal career goals.
ESS09.07.02	Match personal interest and aptitudes to selected careers.
ESS09.08	Recognize and act upon requirements for career advancement to
	plan for continuing education and training.
ESS09.08.01	Identify opportunities for career advancement.
ESS09.08.02	Pursue education and training opportunities to acquire skills necessary for career advancement.
ESS09.08.03	Examine the organization and structure of various segments of the industry to prepare for career advancement.
ESS09.08.04	Research local and regional labor (workforce) market and job growth information to project potential for advancement.
ESS09.08.05	Manage employment relations to make career advancements.
ESS09.09	Continue professional development to keep current on relevant
	trends and information within the industry.
ESS09.09.01	Use self assessment, organizational priorities, journals, Internet sites, professional associations, peers and other resources to develop goals that address training, education and self-improvement issues.
ESS09.09.02	Read trade magazines and journals, manufacturers' catalogues, industry publications and Internet sites to keep current on industry trends.
ESS09.09.03	Participate in relevant conferences, workshops, mentoring activities and inservice training to stay current with recent changes in the field.
ESS09.10	Examine licensing, certification and credentialing requirements at the national, state and local levels to maintain compliance with
	industry requirements.
ESS09.10.01	Examine continuing education requirements related to licensing, certification, and credentialing requirements at the local, state and national levels for chosen occupation.
ESS09.10.02	Examine the procedures and paperwork involved in maintaining and updating licensure, certification and credentials for chosen occupation.
ESS09.10.03	Align ongoing licensing, certification and credentialing requirements to career plans and goals.
ESS09.11	Examine employment opportunities in entrepreneurship to
	consider entrepreneurship as an option for career planning.
ESS09.11.01	Describe the opportunities for entrepreneurship in a given industry.
Essential Topic	TECHNICAL SKILLS: Use of technical knowledge and skills required to pursue careers in all career cluster, including knowledge of design, operation, and maintenance of technological systems critical to the career cluster.

and maintenance of technological systems critical to the career cluster.



ESS10.01	Employ information management techniques and strategies in the workplace to assist in decision-making.
ESS10.01.01	Use information literacy skills when accessing, evaluating and disseminating information.
ESS10.01.02	Describe the nature and scope of information management.
ESS10.01.03	Maintain records to facilitate ongoing business operations.
E0040.00	Franks also also also all the surrous and all the surlated by the surlated and the surlated as a surrous and all the surlated at the surlated as a surrous and all the surlated at the surlated at the surlated at the surlated at the surrous and all the surrous and all the surrous and all the surrous at the
ESS10.02	Employ planning and time management skills and tools to enhance
ESS10.02	results and complete work tasks.
ESS10.02 ESS10.02.01	
	results and complete work tasks.
ESS10.02.01	results and complete work tasks. Develop goals and objectives.

C. CLUSTER (FOUNDATION) KNOWLEDGE AND SKILLS

The following Cluster (Foundation) Knowledge and Skill statements apply to all careers in the Health Sciences Cluster. Persons preparing for careers in the Health Sciences Cluster should be able to demonstrate these skills in addition to those found on the Essential Knowledge and Skills Chart.

A. Foundational Academic Expectations	
B. Essential Knowledge and Skills	
C. Cluster (Foundation) Knowledge and Skills	
C. Cluster (Foundation) Knowledge and Skills	

Cluster Topic HLC01	ACADEMIC FOUNDATIONS: Achieve additional academic knowledge and skills required to pursue the full range of career and postsecondary education opportunities within a career cluster.
HLC01.01	Health care workers will know the academic subject matter required for proficiency within their area. They will use this knowledge as needed in their role. In addition to state high school graduation requirements, the following are included:
HLC01.01.01	Use a knowledge of human structure and function to conduct health care role.
Sample Indicators	Describe the basic structures and functions of cells, tissues, organs, and systems as they relate to homeostasis. Compare relationships among cells, tissues, organs, and systems. Explain body planes, directional terms, quadrants, and cavities. Analyze the interdependence of the body systems as they relate to wellness, disease, disorders, therapies, and care rehabilitation.
HLC01.01.02	Use a knowledge of diseases and disorders to conduct health care role.



Sample Indicators

Compare selected diseases/disorders including respective classification(s), causes, diagnoses, therapies, and care/rehabilitation to include biotechnological applications.

Analyze methods to control the spread of pathogenic microorganisms.

Contrast various types of immunities.

Analyze body system changes in light of diseases, disorders and wellness.

Compare the aging process among the body systems.

Cluster Topic HLC02

COMMUNICATIONS: Use oral and written communication skills in creating, expressing and interpreting information and ideas including technical terminology and information.

No additional statements in the topic beyond those found in the Essential Knowledge and Skills Chart.

Cluster Topic HLC03

PROBLEM-SOLVING AND CRITICAL THINKING: Solve problems using critical thinking skills (analyze, synthesize, and evaluate) independently and in teams. Solve problems using creativity and innovation.

No additional statements in the topic beyond those found in the Essential Knowledge and Skills Chart.

Cluster Topic HLC04

INFORMATION TECHNOLOGY APPLICATIONS: Use information technology tools specific to the career cluster to access, manage, integrate, and create information.

No additional statements in the topic beyond those found in the Essential Knowledge and Skills Chart.

Cluster Topic HLC05

SYSTEMS: Understand roles within teams, work units, departments, organizations, inter-organizational systems, and the larger environment. Identify how key organizational systems affect organizational performance and the quality of products and services. Understand global context of industries and careers.

HLC05.01

Health care workers will understand how their role fits into their department, their organization and the overall health care environment. They will identify how key systems affect services they perform and quality of care.

HLC05.01.01 Sample Indicators

Explain systems theory as it applies to the health care environment.

Describe systems theory and its components.

HLC05.01.02 Sample Indicators

Construct a general systems model using inputs, throughputs, and a feedback loop. Explain the health care delivery system.

Construct a health care delivery system model.

Predict where and how factors such as cost, managed care, technology, an aging population, access to care, alternative therapies, and lifestyle/behavior changes may affect various health care delivery system models.

Project outcomes as interconnected components of a modified health care system. Calculate the cost effectiveness of two separate health care delivery systems using the same client procedure.



HLC05.01.03 Health care workers will understand the existing and potential hazards to

clients, co-workers, and self. They will prevent injury or illness through safe

work practices and follow health and safety policies and procedures.

Diagram the interdependence of health care professions within a given health care

delivery system and pertaining to the delivery of quality health care.

Design a system analysis process that evaluates the following outcomes; client

satisfaction, productivity, cost effectiveness, and efficiency.

Evaluate the impact of enhanced technology on the health care delivery system.

HLC05.01.04 Explain the concept of system change as it applies to the health care

environment.

Analyze the cause and effect on health care system change based on the influence of

technology, epidemiology, bio-ethics, socio-economics, and various forms of

Sample Indicators complimentary (non-traditional) medicine.

Cluster Topic HLC06

Sample Indicators

SAFETY, HEALTH AND ENVIRONMENTAL: Understand the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance. Follow organizational policies and procedures and contribute to continuous improvement in performance and compliance.

HLC06.01

Health care workers will understand the existing and potential hazards to clients, co-workers, and self. They will prevent injury or illness through safe work practices and follow health and safety policies and procedures.

HLC06.01.01 Exp

Explain infection control practices and procedures.

Sample Indicators

Practice infection control procedures.

Practice appropriate cleaning, disinfecting, and sterilizing processes.

Contrast medical and surgical asepsis.

HLC06.01.02

Employ personal safety practices.

Sample Indicators

Manage a personal exposure incident in compliance with OSHA regulations.

Apply principles of body mechanics and ergonomics.

Use personal protective equipment as appropriate to the environment.

HLC06.01.03

Use techniques to insure environmental safety.

Sample Indicators Modify the environment to create safe working conditions.

Demonstrate methods of fire prevention in the health care setting.

Prevent accidents by using proper safety techniques.

Practice good housekeeping by maintaining a safe work environment.

HLC06.01.04

Identify common safety hazards.

Sample Indicators

Use Materials Safety Data Sheets (MSDS). Adhere to hazardous labeling requirements.

Comply with safety signs, symbols, and labels.

Take appropriate action when observing a hazardous material problem.

Apply safety principles within given environment.

Handle hazardous chemicals commonly used in the health care environment in an

appropriate manner.

HLC06.01.05 Sample Indicators Use emergency procedures and protocols.

Interpret the evacuation plan for the health care setting.

Construct an emergency plan for a health care setting in response to a natural disaster

or other emergency.



Follow the facility procedure when a fire is discovered.

HLC06.01.06

Describe healthy behaviors.

Sample Indicators

Apply behaviors that promote health and wellness.

Advocate available preventive health screening and examinations. Use practices that promote the prevention of disease and injury. Use appropriate safety practices as related to high-risk behaviors.

Evaluate the validity of alternative health practices.

Cluster Topic HLC07

LEADERSHIP AND TEAMWORK: Use leadership and teamwork skills in collaborating with others to accomplish organizational goals and objectives.

HLC07.01

Health care workers will understand the roles and responsibilities of individual members as part of the health care team, including their ability to promote the delivery of quality health care.

HLC07.01.01

Describe health care teams.

Sample Indicators

Apply the team concept in providing quality patient/client care.

Recognize characteristics of effective teams. Analyze roles of various team participants.

Respond to given critical situations appropriately as a team member/leader.

Accept compromise as necessary to ensure a best outcome.

HLC07.01.02

Describe team member participation.

Communicate verbally and nonverbally with team colleagues to assure a best result for

Sample Indicators

the client.

Collaborate with others to formulate team objectives.

Act responsibly as a team member, completing assigned tasks in a timely and effective

manner.

Actively listen to other team members. Exercise leadership skills as appropriate.

Respect and value the expertise and contributions of all team members.

Work collaboratively with persons from diverse backgrounds to accomplish a common

goal.

Apply corrective action to an acknowledged conflict situation.

Exhibit a strong sense of team identity and commitment to purpose.

Cluster Topic HLC08

ETHICS AND LEGAL RESPONSIBILITIES: Know and understand the importance of professional ethics and legal responsibilities.

HLC08.01

Health care workers will understand the legal responsibilities. limitations, and implications of their actions within the health care delivery setting in order to deliver services within legal requirements.

HLC08.01.01 Sample Indicators Describe legal implications affecting health care workers.

Analyze legal responsibilities, limitations, and implications of actions.

Use problem-solving techniques when confronted with legal dilemmas or issues.

Compare and contrast behaviors and practices that could result in malpractice, liability,

or negligence.

Comply with policies and requirements for documentation and record keeping.



Comply with established risk management criteria and procedures.

Determine when an incident is reportable.

Comply with non-discriminatory laws.

Comply with institutional policy and procedure.

HLC08.01.02 Describe legal practices employed by health care workers.

Sample Indicators Perform duties according to regulations, policies, laws, and legislated rights of clients.

Maintain clients' rights according to the Patients' Bill of Rights.

Maintain confidentiality according to Health Information Portability Access Act (HIPAA).

Practice within licensure, certification, registration, and legislated scope of practice.

Apply the doctrine of informed consent.

Evaluate technological threats to confidentiality.

Follow mandated standards for workplace safety, i.e., OSHA, CDC, CLIA. Apply mandated standards for harassment, labor, and employment laws.

HLC08.02 Health care workers will understand accepted ethical practices

with respect to cultural, social, and ethnic differences within the health care environment. They will perform quality health care delivery.

HLC08.02.01 Describe legal and ethical boundaries in health care delivery.

Differentiate between morality and ethics and the relationship of each to health care

Sample Indicators outcomes.

Differentiate between ethical and legal issues impacting health care.

Contract personal, professional, and organizational ethics.

Analyze legal and ethical aspects of confidentiality. Discuss bio-ethical issues related to health care.

Analyze and evaluate the implications of medical ethics.

HLC08.02.02 Describe ethical practice as it applies to health care delivery.

Demonstrate professionalism when interacting with fellow students, patients/clients, co-

Sample Indicators workers, and the organization.

Respect interdisciplinary roles of team members.

Report activities and behaviors by self and others that adversely affect the health, safety,

or welfare of students, patients/clients, or co-workers. Demonstrate fairness and equal treatment of all persons.

Practice responsibly within the ethical framework of the Patients' Bill of Rights.

Value clients' independence and determination.

HLC08.02.03 Explain cultural, social, and ethnic diversity as it applies to health care

delivery.

Discuss the impact of religions and cultures on those giving and receiving health care

with an understanding of past and present events.

Demonstrate respect of individual cultural, social, and ethnic diversity within the health

care environment.

Cluster Topic EDC09

Sample Indicators

EMPLOYABILITY AND CAREER DEVELOPMENT: Know and

understand the importance of employability skills. Explore, plan, and effectively manage careers. Know and understand the importance of entrepreneurship skills.

No additional statements in the topic beyond those found in the Essential Knowledge and Skills Chart.



Cluster Topic EDC10

TECHNICAL SKILLS: Use the technical knowledge and skills required to pursue the targeted careers for all pathways in the career cluster, including knowledge of design, operation, and maintenance of technological systems critical to the career cluster.

HLC10.01

Health care workers will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate to conduct health care related tasks.

HLC10.01.01

Employ occupational safety techniques.

Sample Indicators

Apply Standard Precautions as described in the rules and regulations set forth by the Occupational Safety and Health Administration (OSHA).

Occupational Safety and Fleath Auministration (OSFIA).

Demonstrate safety procedures to protect clients, co-workers, and self.

Obtain Cardiopulmonary Resuscitation (CPR) certification.

Obtain First Aid Certification.

D. PATHWAY KNOWLEDGE AND SKILLS

The following knowledge and skill statements apply to all careers in the Diagnostic Services Pathway. The statements are organized within seven topics.

A. Foundational Academic Expectations

B. Essential Knowledge and Skills

C. Cluster (Foundation) Knowledge and Skills

D. Pathway Knowledge and Skills

Pathway Topi	C
HLPB01	

MULTIDISCIPLINARY COMMUNICATION

HLPB01.01

Communicate information within a healthcare environment and convey this information to the appropriate departments and other professionals in a timely manner to facilitate sharing key diagnostic information used in treating patients.

HLPB01.01.01

Employ effective oral communication techniques when communicating diagnostic information with departments and professionals.

Sample Indicators

Adjust communication to other's ability to understand.

Apply active listening skills using reflection, restatement, and clarification.

Demonstrate courtesy to others, including self introduction.

Interpret verbal and nonverbal behaviors to augment communication within scope of

practice.

Demonstrate interviewing skills.

HLPB01.01.02

Employ effective written communication techniques when communicating diagnostic information with departments and professionals.

Sample Indicators

Choose correct syntax and grammar appropriate to patient/client.

Report relevant information in a timely manner.

Distinguish between subjective and objective information when reporting. Analyze communication for appropriate response and provide feedback.



Organize, write and compile technical information and summaries.

Use medical terminology in order to interpret, transcribe and communicate information, data and observations.

Pathway Topic HLPB02

ASSESSMENT

HLPB02.01

Utilize the processes to assess and report patient's/client's health status in order to monitor and document patient progress.

HLPB02.01.01
Sample Indicators

Assess patient's/client's health status using accepted processes.

Analyze available information to assess patient/client viability.

Complete procedures for attaining information necessary that is not readily available.

Evaluate and appraise appropriateness of information.

Evaluate patient and other client response to treatment and/or procedure.

Document results accurately and appropriately.

Pathway Topic HLPB03

MOVE PATIENT

HLPB03.01

Demonstrate the principles of body mechanics for positioning, transferring, and transporting of patients/clients and perform them without injury to the patient/client or self in order to maintain patient well-being.

HLPB03.01.01

Apply techniques for patient/client safety when positioning, transferring and transporting patients/clients.

Sample Indicators

Assess the patient/client status.

Evaluate potential hazards to patient/client.

Choose and apply appropriate transport methods.

Choose and apply appropriate transfer methods.

Modify positioning to accommodate patient/client status.

Choose and practice effective and appropriate infection control procedures.

HLPB03.01.02

Use equipment for positioning, transferring and transporting patients/clients

safely.

Sample Indicators

Evaluate equipment for possible hazards.

Choose appropriate equipment for transportation. Choose appropriate equipment for transfer.

Adjust equipment and modify techniques to accommodate patient/client status. Practice preventive measures for disease transmission during equipment use.

Pathway Topic HLPB04

PATIENT INTERACTION

HLPB04.01

Explain procedures and goals to the patient/client accurately and effectively, using strategies to respond to questions and concerns of the patient/client.

HLPB04.01.01

Explain procedures and goals to the patient/client accurately and effectively.



Sample Indicators Assess ability of patient/client to comprehend.

Adjust and modify based on assessment.

Verify patient/client understanding.

HLPB04.01.02 Apply strategies for interacting with and responding to patient/client

questions and concerns.

Apply active listening skills using reflection, restatement, and clarification techniques.

Address patient/client concerns in a positive manner.

Pathway Topic HLPB05

PREPARATION

HLPB05.01

Respond to requests for procedures, interpret the requests, and plan implementation of services as well as prepare for specific procedures in order to conduct regular diagnostic services.

HLPB05.01.01 Process procedural requests using accepted protocols.

Sample Indicators Comprehend concept of scope of practice.

Evaluate procedure requested for appropriateness. Coordinate interdisciplinary services if necessary.

HLPB05.01.02 Implement diagnostic services.

Sample Indicators Complete plan for implementation of services requested.

Initiate services based on plan.

HLPB05.01.03 Prepare protocols to guide implementation of specific diagnostic requests.

Sample Indicators Choose appropriate protocol based on patient/client assessment and request.

Choose protocol based on resources.

HLPB05.01.04 Prepare patient/client for specific diagnostic procedures.

Sample Indicators Verify patient/client identification.

Ensure patient/client readiness and assess for contraindication.

Obtain patient/client informed consent if applicable.

Pathway Topic HLPB06

PROCEDURE IMPLEMENTATION

HLPB06.01

Interpret any given procedure, demonstrate knowledge of the purpose for each procedure and perform the specific procedure to create diagnostic results.

HLPB06.01.01

Perform specific procedures to create diagnostic results.

Sample Indicators Be cognizant of scope of practice.

Perform procedure competently within scope of practice.

Perform procedure according to protocol.

Modify procedure as required within constraints of patient/client and personal safety.

Pathway Topic HLPB07

EVALUATION AND REPORTING



HLPB07.01

Implement the principles of quality assurance/performance improvement as applied to the specific disciplines as well as reporting in a timely manner, utilizing appropriate communication channels in order to maintain high standards of performance.

HLPB07.01.01	Evaluate procedures commonly used in providing diagnostic services.
Sample Indicators	Assess the quality of results.
	Analyze, construct and apply appropriate corrective measures/actions.
HLPB07.01.02	Evaluate personal implementation of procedures to identify areas for
	improvement.
Sample Indicators	Evaluate quality of results.
	Assess problem-solving skills.
	Evaluate timeliness and productivity.
HLPB07.01.03	Evaluate the performance of equipment regularly used in providing
	diagnostic services.
Sample Indicators	Evaluate quality of results.
	Analyze, construct and apply appropriate corrective measures.
HLPB07.01.04	Employ principles of quality assurance/ performance improvement in daily
	tasks.
Sample Indicators	Choose appropriate evaluation methods.
	Evaluate and apply appropriate tools.
HLPB07.01.05	Employ accepted reporting methods to communicate the results of quality
	assurance/ performance improvement efforts.
Sample Indicators	Use written, oral and electronic communication skills to produce reports.
	Deliver reports to all appropriate parties.
	Develop and utilize protocols that verify the parties involved receive all necessary information.