

5. Describe career opportunities and means to achieve those opportunities in each of the Law, Public Safety, Corrections & Security Career Pathways.
6. Analyze the nature and scope of the Law, Public Safety, Corrections & Security Career Cluster™ and the role of law, public safety, corrections and security in society and the economy.

Correction Services Career Pathway (LW-COR)

1. Observe and evaluate the correctional environment for signs of potential problems and/or danger.
2. Demonstrate the ability to lead and collaborate with others in the correction services workplace.
3. Describe appropriate documents and procedures to ensure correctional facility compliance with federal and state laws.
4. Describe regulations and procedures that ensure the health and safety of inmates in correctional facilities.
5. Utilize information technology systems created to track offenders in order to maintain accurate records on public offenders within and among correctional facilities.
6. Examine the various roles and impacts forensics and computer forensics play in the resolution of crime in the correctional facilities.
7. Demonstrate the standard operational procedures used in the criminal justice system to maintain security in the correctional facility.
8. Research and evaluate employment opportunities in correction services that match the individual's mental and physical abilities.
9. Develop a plan for continuing education and training within the correctional services field in order to promote career advancement, personal development and a positive image for correctional services employees.
10. Demonstrate psychosocial principles and strategies to facilitate and deal with human behavior encountered in a correctional facility.
11. Apply active listening skills in the correctional workplace in order to obtain and clarify information, directives and procedures.
12. Apply verbal and oral communication techniques in the delivery of presentations and to communicate technical information related to the correctional workplace.
13. Use conflict resolution techniques to resolve conflicts among individuals that arise in correctional facilities.
14. Interpret, analyze and evaluate nonverbal messages to discern facts from fabrication in messages received in the correctional facilities.
15. Use effective academic writing techniques to document and communicate incidents, activities, evidence, observations and other important issues in correctional facilities.
16. Apply constitutional law and laws associated with correctional facilities in order to promote a system that respects individual rights.
17. Analyze the techniques used to manage crisis situations in correctional facilities in order to protect individuals and society.
18. Demonstrate appropriate procedures to identify, communicate and assist with individuals requiring additional assistance due to mental disorders, physical disabilities, communication disorders and unusual behaviors in correctional facilities.
19. Demonstrate the proper protocols regarding the elimination of sexual harassment and abuse in the correctional facility.
20. Analyze situations that require the use of force, including deadly force, and the appropriate times in which varying degrees of force should be utilized in correctional facilities.
21. Demonstrate appropriate reactions to situations involving 4th Amendment rights in correctional facilities.
22. Evaluate and summarize the rights of an individual being interrogated under the 5th and 6th Amendments in order to ensure trial, jury and due process rights for individuals within the correctional facilities.
23. Analyze and summarize the impact of the 14th Amendment as it relates to due process and equal protection in order to ensure protection of constitutional rights for individuals in correctional facilities.
24. Analyze and summarize the limits and variations of interrogation procedures in order to ensure protection of rights for both U.S. citizens and non-U.S. citizens in correctional facilities.
25. Analyze and summarize the ethical and legal responsibilities of correctional staff.
26. Describe the knowledge and technical skills needed to carry out the day-to-day operations of a correctional facility.

Emergency & Fire Management Services Career Pathway (LW-EFM)

1. Demonstrate effective written and spoken communication using equipment and platforms common to emergency and fire management services.
2. Demonstrate operation of telecommunication systems common to emergency and fire management services.
3. Demonstrate the use of emergency response skills to manage an incident as a first responder.
4. Utilize up-to-date information technology applications to facilitate the management of emergency and fire

management situations.

5. Model behaviors, strategies and protocols that demonstrate the objectives and commitment to the mission of emergency and fire services.
6. Demonstrate safety procedures and protocols associated with local, state and federal regulations.
7. Develop an institutional professional growth plan focusing on team building and leadership skills within the emergency and fire management services.
8. Describe the legal, regulatory and organizational guidelines governing emergency and fire management services.
9. Compare and contrast relevant aspects of different career fields available for professionals in fire and emergency management services.
10. Demonstrate protocols for handling emergency situations that range from minor medical and fire emergencies to area-wide incidents.
11. Maintain fire and emergency services equipment in good operating condition for use in emergency situations.
12. Summarize the various applications for equipment commonly used in emergency and fire management services.
13. Demonstrate the management of an incident scene utilizing the Incident Command System.
14. Use common codes and icons used in the fire and emergency management environment in order to properly handle potentially hazardous material.
15. Analyze and summarize hazardous materials transportation modes in order to assure the safe transport of substances from fire and medical emergency scenes.
16. Implement public relations plans involving key stakeholders to enhance public awareness and safety in fire and emergency situations.
17. Describe the elements and issues involved in using the preparedness and response systems available to manage large-scale disasters.
18. Examine and summarize the key functions and techniques of critical infrastructure protection in order to assure protection of potential targets for terrorism and/or natural disasters.
19. Evaluate body language, gestures, verbal content, tone and inflection encountered in the field to enhance communication skills required in the field of law enforcement.

Law Enforcement Services Career Pathway (LW-ENF)

1. Utilize writing skills to produce coherent and focused technical communications to complete incident reports common to law enforcement.
2. Demonstrate the operation of law enforcement communication equipment.
3. Assess hostile situations and utilize the appropriate anger/conflict management strategies to resolve law enforcement problems.
4. Model behaviors that exhibit integrity and a commitment to ethical behavior required of law enforcement professionals.
5. Describe the limits and variations of interrogation procedures that ensure protection of rights for both U.S. citizens and noncitizens in the course of providing law enforcement services.
6. Describe law enforcement procedures used to enforce state and local alcohol and beverage control laws and ordinances.
7. Demonstrate civil law enforcement procedures and protocols for serving writs, warrants and summons.
8. Demonstrate established procedures and protocols that ensure constitutional rights.
9. Explain the role of law enforcement in the U.S. legal system.
10. Demonstrate appropriate interpersonal skills for dealing with individuals in a law enforcement situation.
11. Exhibit knowledge of state and local laws and law enforcement procedures to enforce driving under the influence (DUI) violations.
12. Present testimony in legal proceedings in accordance with courtroom procedure.
13. Plan, develop, implement, manage and evaluate community crime and loss prevention programs.
14. Explain the appropriate techniques for managing crisis situations in order to maintain public safety.
15. Implement crowd management strategies and skills as a law enforcement professional in order to maintain control over large gatherings.
16. Demonstrate procedures and protocols used to address domestic violence.
17. Demonstrate motor vehicle traffic stops in compliance with established procedures and laws.
18. Demonstrate protocols and procedures designed for handling and managing explosives and hazardous material incidents.
19. Demonstrate the procedures used to properly protect, document and process the crime scene and all related evidence.
20. Conduct interviews and interrogations using proper procedures outlined for law enforcement personnel to ensure the protection of individual rights and effective information gathering.
21. Demonstrate techniques and protocols for safely responding to crimes in progress.

22. Utilize appropriate procedures to aid individuals requiring special assistance from law enforcement personnel (e.g., mental disorders, physical disabilities and communication disorders).
23. Demonstrate protocols for dealing with juvenile victims and offenders in order to protect their rights.
24. Investigate and document a motor vehicle accident in compliance with prescribed procedures.
25. Evaluate situations that require the use of force and demonstrate the appropriate level of force necessary.
26. Describe the signs and symptoms of possible child abuse and neglect.
27. Describe the behavioral symptoms of drug use and the inherent dangers associated with handling drug users.
28. Demonstrate the use of speed measuring equipment in the enforcement of traffic laws.
29. Examine the various law enforcement issues involved in disaster preparedness and response systems.
30. Describe the key law enforcement functions and techniques of critical infrastructure protection used to assure protection of potential targets of terrorism and/or natural disasters.
31. Demonstrate the use of intelligence analysis techniques and procedures to deter crime and implement homeland security initiatives.
32. Explain procedures for protecting victims' rights and the use of witness protection plans.
33. Demonstrate procedures for conducting building searches.
34. Explain the role forensics and computer forensics play in the resolution of crimes encountered in law enforcement.

Legal Services Career Pathway (LW-LEG)

1. Demonstrate effective communication in the legal services environment.
2. Analyze and interpret nonverbal communication cues in order to discern facts from fabrication in messages received in the legal services environment.
3. Produce written legal materials using professional writing strategies applicable to the legal services.
4. Model skills associated with the effective application of information technology tools used to perform daily tasks assigned to legal services professionals.
5. Analyze and summarize the role forensics and computer forensics have on preventing and solving crimes.
6. Use legal terminology to effectively communicate within the legal services community of practice.
7. Model the technical knowledge and skills required of legal services professionals in order to pursue the full range of careers in the Legal Services Career Pathway.
8. Analyze and summarize the role of the three branches of the U.S. Government (judicial, legislative and executive) to demonstrate an understanding of how government influences legal services.
9. Analyze the impact the 4th Amendment has upon actions taken by individuals providing legal services.
10. Evaluate the rights of individuals being interrogated under the 5th and 6th Amendments to ensure trial, jury and due process rights.
11. Analyze the impact of the 14th Amendment as it relates to due process and equal protection in order to ensure that legal services professionals extend constitutional rights to individuals.
12. Analyze the limits and variations of interrogation procedures in order to ensure protection of rights for both U.S. citizens and noncitizens in the course of providing legal services.

Security & Protective Services Career Pathway (LW-SEC)

1. Employ active listening and speaking techniques when communicating.
2. Deliver security and protective services presentations and communicate technical information.
3. Discern facts from fabrication in nonverbal communication messages.
4. Write using the variety of formats commonly utilized in the security and protective services.
5. Utilize conflict resolution skills to resolve conflicts among individuals.
6. Utilize information technology tools specific to the security and protective services.
7. Analyze and summarize the role of forensics and computer forensics in security operations.
8. Compare and contrast the roles, responsibilities, tools and techniques of the criminal justice field and the security and protective services field.
9. Compare and contrast the benefits and challenges of proprietary and contract security operations.
10. Identify and document safety, health and environmental responsibilities of security personnel used to establish and maintain a safe working environment.
11. Analyze the impact of various legal issues relevant to the security and protective services.
12. Explain the application of ethical and legal reasoning in various situations faced by personnel in the security and protective services.
13. Model appropriate responses to situations involving 4th Amendment rights to demonstrate an understanding of the amendment's impact on actions related to security and protective services.
14. Describe the rights of an individual being interrogated under the 5th and 6th Amendments in order to ensure trial, jury and due process rights for individuals.
15. Analyze the impact of the 14th Amendment as it relates to due process and equal protection in order to ensure

security and protective service professionals extend constitutional rights to individuals encountered.

16. Analyze the limits and variations of interrogation procedures in order to ensure protection of rights for both U.S. citizens and non-citizens.
17. Describe the different career options and career paths in the Security & Protective Services Career Pathway.
18. Examine crime prevention concepts to determine how they relate and can be applied to security and protective services functions.
19. Explain how risk management principles apply to the security functions for the protection of assets in various settings.
20. Describe the importance of good public relations techniques as they relate to security and crisis situations.
21. Describe the role of security systems in the overall security strategy.
22. Explain terrorism as it relates to the duties of a security officer and a security specialist for the protection of persons, property and information.
23. Apply basic management principles for the effective supervision and management of a security force or an organization's security strategy.
24. Demonstrate the security officer's role and responsibility in handling various types of incidents.
25. Compare and contrast protective service approaches within government and business settings.
26. Analyze types and techniques of security investigations as they apply to business settings.
27. Summarize the importance of establishing relationships with other people, organizations and functions in order to act as a liaison in the security and protective services field.
28. Demonstrate the concepts and techniques used by security professionals to ensure the security of information-based and intangible assets.
29. Analyze the need to protect information technology and associated systems.
30. Evaluate the value of initial and follow-up security training programs for employees.
31. Use security surveys, inspections and exercises to properly assess security needs, test existing protection measures, and prepare employees for unexpected situations.
32. Describe the security professional's role in preparing for and responding to disaster situations.
33. Analyze the elements and techniques of critical infrastructure protection in order to reduce the risk to key terrorist targets and reduce the impact of natural disasters.
34. Summarize the importance and roles of intelligence analysis in order to understand its role in crime prevention and homeland security.

Manufacturing Career Cluster™ (MN)

1. Evaluate the nature and scope of the Manufacturing Career Cluster™ and the role of manufacturing in society and in the economy.
2. Analyze and summarize how manufacturing businesses improve performance.
3. Comply with federal, state and local regulations to ensure worker safety and health and environmental work practices.
4. Describe career opportunities and means to achieve those opportunities in each of the Manufacturing Career Pathways.
5. Describe government policies and industry standards that apply to manufacturing.
6. Demonstrate workplace knowledge and skills common to manufacturing.

Health, Safety, & Environmental Assurance Career Pathway (MN-HSE)

1. Demonstrate the safe use of manufacturing equipment.
2. Develop safety plans for production processes that meet health, safety and environmental standards.
3. Demonstrate a safety inspection process to assure a healthy and safe manufacturing environment.
4. Evaluate a system of health, safety and/or environmental programs, projects, policies or procedures to determine compliance.
5. Evaluate continuous improvement protocols and techniques in health, safety and/or environmental practices.
6. Conduct job safety and health analysis for manufacturing jobs, equipment and processes.
7. Develop the components of a training program based on environmental health and safety regulations.

Logistics & Inventory Control Career Pathway (MN-LOG)

1. Demonstrate positive customer service skills in regard to logistics and inventory control issues.
2. Demonstrate proper handling of products and materials in a manufacturing facility.
3. Develop a safety inspection process to assure a healthy and safe manufacturing facility.
4. Manage inventory using logistics and control processes and procedures.

Maintenance, Installation, & Repair Career Pathway (MN-MIR)

1. Demonstrate maintenance skills and proficient operation of equipment to maximize manufacturing performance.
2. Demonstrate the safe use of manufacturing equipment to ensure a safe and healthy environment.
3. Diagnose equipment problems and effectively repair manufacturing equipment.
4. Investigate and employ techniques to maximize manufacturing equipment performance.
5. Implement a preventative maintenance schedule to maintain manufacturing equipment, tools and workstations.
6. Implement an effective, predictive and preventive manufacturing equipment maintenance program.

Manufacturing Production Process Development Career Pathway (MN-PPD)

1. Produce quality products that meet manufacturing standards and exceed customer satisfaction.
2. Research, design and implement alternative manufacturing processes to manage production of new and/or improved products.
3. Monitor, promote and maintain a safe and productive workplace using techniques and solutions that ensure safe production of products.
4. Implement continuous improvement processes in order to maintain quality within manufacturing production.
5. Develop procedures to create products that meet customer needs.

Production Career Pathway (MN-PRO)

1. Diagnose production process problems and take corrective action to meet production quality standards.
2. Manage safe and healthy production working conditions and environmental risks.
3. Make continuous improvement recommendations based on results of production process audits and inspections.
4. Coordinate work teams when producing products to enhance production process and performance.
5. Demonstrate the safe use of manufacturing equipment.

Quality Assurance Career Pathway (MN-QA)

1. Evaluate production operations for product and process quality.
2. Recommend and implement continuous improvement in manufacturing processes.
3. Coordinate work teams to create a product that meets quality assurance standards.
4. Employ project management processes using data and tools to deliver quality, value-added products.
5. Perform safety inspections and training to ensure a safe and healthy workplace.
6. Implement continuous improvement processes to maintain quality products.
7. Identify inspection processes that ensure products meet quality specifications.

Marketing Career Cluster™ (MK)

1. Describe the impact of economics, economics systems and entrepreneurship on marketing.
2. Implement marketing research to obtain and evaluate information for the creation of a marketing plan.
3. Plan, monitor, manage and maintain the use of financial resources for marketing activities.
4. Plan, monitor and manage the day-to-day activities required for continued marketing business operations.
5. Describe career opportunities and the means to achieve those opportunities in each of the Marketing Career Pathways.
6. Select, monitor and manage sales and distribution channels.
7. Determine and adjust prices to maximize return while maintaining customer perception of value.
8. Obtain, develop, maintain and improve a product or service mix in response to market opportunities.
9. Communicate information about products, services, images and/or ideas to achieve a desired outcome.
10. Use marketing strategies and processes to determine and meet client needs and wants.

Marketing Communications Career Pathway (MK-COM)

1. Apply techniques and strategies to convey ideas and information through marketing communications.
2. Plan, manage and monitor day-to-day activities of marketing communications operations.
3. Access, evaluate and disseminate information to enhance marketing decision-making processes.
4. Obtain, develop, maintain and improve a marketing communications product or service mix to respond to market opportunities.
5. Communicate information about products, services, images and/or ideas to achieve a desired outcome.

Marketing Management Career Pathway (MK-MGT)

1. Plan, organize and lead marketing staff to achieve business goals.
2. Plan, manage and monitor day-to-day marketing management operations.
3. Plan, manage and organize to meet the requirements of the marketing plan.

4. Access, evaluate and disseminate information to aid in making marketing management decisions.
5. Determine and adjust prices to maximize return and meet customers' perceptions of value.
6. Obtain, develop, maintain and improve a product or service mix in response to market opportunities.
7. Communicate information about products, services, images and/or ideas.

Marketing Research Career Pathway (MK-RES)

1. Plan, organize and manage day-to-day marketing research activities.
2. Design and conduct research activities to facilitate marketing business decisions.
3. Use information systems and tools to make marketing research decisions.

Merchandising Career Pathway (MK-MER)

1. Plan, organize and lead merchandising staff to enhance selling and merchandising skills.
2. Plan, manage and monitor day-to-day merchandising activities.
3. Move, store, locate and/or transfer ownership of retail goods and services.
4. Access, evaluate and disseminate marketing information to facilitate merchandising decisions and activities.
5. Determine and adjust prices to maximize return and meet customers' perceptions of value.
6. Obtain, develop, maintain and improve a product or service mix to respond to market opportunities.
7. Communicate information about retail products, services, images and/or ideas.
8. Create and manage merchandising activities that provide for client needs and wants.

Professional Sales Career Pathway (MK-SAL)

1. Access, evaluate and disseminate sales information
2. Apply sales techniques to meet client needs and wants.
3. Plan, organize and lead sales staff to enhance sales goals.

Science, Technology, Engineering & Mathematics Career Cluster™ (ST)

1. Apply engineering skills in a project that requires project management, process control and quality assurance.
2. Use technology to acquire, manipulate, analyze and report data.
3. Describe and follow safety, health and environmental standards related to science, technology, engineering and mathematics (STEM) workplaces.
4. Understand the nature and scope of the Science, Technology, Engineering & Mathematics Career Cluster™ and the role of STEM in society and the economy.
5. Demonstrate an understanding of the breadth of career opportunities and means to those opportunities in each of the Science, Technology, Engineering & Mathematics Career Pathways.
6. Demonstrate technical skills needed in a chosen STEM field.

Engineering & Technology Career Pathway (ST-ET)

1. Use STEM concepts and processes to solve problems involving design and/or production.
2. Display and communicate STEM information.
3. Apply processes and concepts for the use of technological tools in STEM.
4. Apply the elements of the design process.
5. Apply the knowledge learned in STEM to solve problems.
6. Apply the knowledge learned in the study of STEM to provide solutions to human and societal problems in an ethical and legal manner.

Science & Mathematics Career Pathway (ST-SM)

1. Apply science and mathematics to provide results, answers and algorithms for engineering and technological activities.
2. Apply science and mathematics concepts to the development of plans, processes and projects that address real world problems.
3. Analyze the impact that science and mathematics has on society.
4. Apply critical thinking skills to review information, explain statistical analysis, and to translate, interpret and summarize research and statistical data.

Transportation, Distribution & Logistics Career Cluster™ (TD)

1. Describe the nature and scope of the Transportation, Distribution & Logistics Career Cluster™ and the role of transportation, distribution and logistics in society and the economy.
2. Describe the application and use of new and emerging advanced techniques to provide solutions for transportation,

distribution and logistics problems.

3. Describe the key operational activities required of successful transportation, distribution and logistics facilities.
4. Identify governmental policies and procedures for transportation, distribution and logistics facilities.
5. Describe transportation, distribution and logistics employee rights and responsibilities and employers' obligations concerning occupational safety and health.
6. Describe career opportunities and means to achieve those opportunities in each of the Transportation, Distribution & Logistics Career Pathways.

Facility & Mobile Equipment Maintenance Career Pathway (TD-MTN)

1. Develop preventative maintenance plans and systems to keep facility and mobile equipment inventory in operation.
2. Design ways to improve facility and equipment system performance.

Health, Safety, & Environmental Management Career Pathway (TD-HSE)

1. Describe the health, safety and environmental rules and regulations in transportation, distribution and logistics workplaces.
2. Develop solutions to improve performance of health, safety and environmental management services.

Logistics Planning & Management Services Career Pathway (TD-LOG)

1. Develop solutions to provide and manage logistics services for the company and customers.
2. Analyze and improve performance of logistics systems to provide logistics planning and management services.

Sales & Service Career Pathway (TD-SAL)

1. Analyze the ongoing performance of transportation, logistics and distribution-related sales and service operations.
2. Demonstrate the use of sales and ongoing service of products and services that are transportation related to promote development of existing and future clients and customers.

Transportation Operations Career Pathway (TD-OPS)

1. Develop and evaluate transportation plans to move people and/or goods to meet customer requirements.
2. Analyze performance of transportation operations in order to improve quality and service levels and increase efficiency.
3. Comply with policies, laws and regulations in order to maintain safety, security and health and mitigate the economic and environmental risk of transportation operations.

Transportation Systems / Infrastructure Planning, Management & Regulation Career Pathway (TD-SYS)

1. Develop plans to maintain and/or improve the transportation infrastructure.
2. Assess, plan and manage the implementation of transportation services.
3. Describe ways to improve the system utilization, flow, safety and environmental performance of transportation systems.

Warehousing & Distribution Center Operations Career Pathway (TD-WAR)

1. Demonstrate efficient and effective warehouse and distribution center operations.
2. Describe ways to improve the performance of warehouse and distribution operations.
3. Analyze compliance with company policies and government laws and regulations in warehouse and distribution operations.

The CCTC is being coordinated by the National Association of State Directors of Career Technical Education Consortium (NASDCTEc), which represents the state and territory heads of secondary, postsecondary and adult CTE across the nation.

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