

understanding career pathways®

An Introduction

Lancaster County's 16 school districts have adopted a common career preparation program called Career Pathways, which is based on the PA State Academic Standards for Career Education and Work. These standards identify the necessary academics and technical requirements for careers of the 21st Century. The Career Pathways model is designed to help students and parents plan for careers using four main categories of careers/jobs called "Pathways," which are based on national employment trends. These trends are often referred to as "career clusters."

The goal of Career Pathways is for all students to develop a vital and meaningful education and career plan beyond High School graduation and to have a seamless transition to college and career success. This plan may include work based training, skill certification, military, associate's, bachelor's or graduate degree.

What are Career Pathways®

Think of the icons below as 4 different roads. Each one will bring you a variety of career possibilities that relate to that particular category. By choosing a specific Pathway below, you can take advantage of all the opportunities that best fit your interests, abilities and experiences. This decision not only accelerates the process of developing your career path, but it also prepares you for any number of jobs within that specific Pathway. And remember: If you don't like the Pathway you have chosen, you can change it!



ARTS & COMMUNICATIONS



BUSINESS & FINANCE



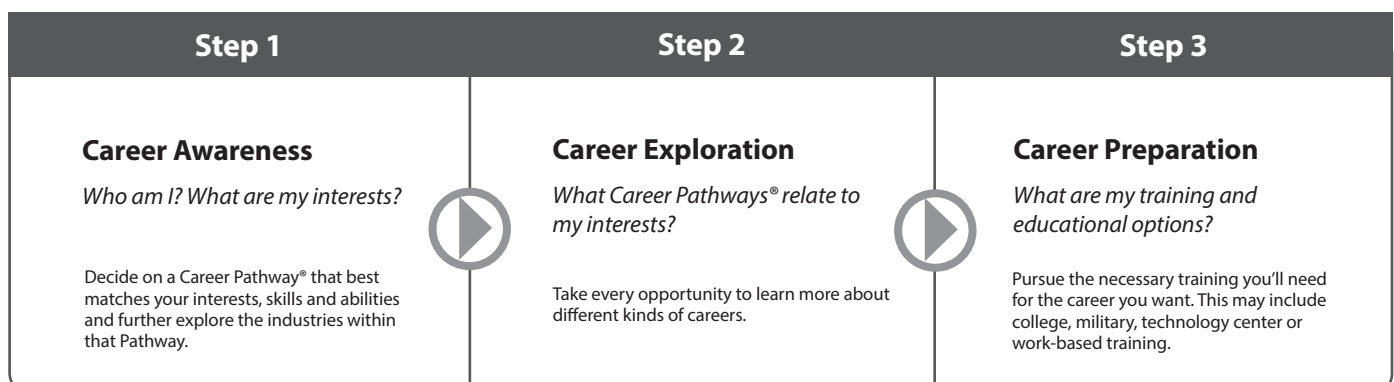
ENGINEERING, SCIENCE & TECHNOLOGY



HEALTH & SOCIAL SERVICES

How do I use them?

Finding the right career can be as simple as this 3 STEP PROCESS below:





arts & communications

Pathway Overview

Careers in this Pathway are related to the visual and performing arts and design, journalism and broadcasting, audio and video technology, printing technology, telecommunications.

PA Dept. of Education Career Clusters: Arts, Audio-Visual Technology Communications

The U.S. Department of Education has designated 16 clusters of careers that form the basis for Career Pathway systems in Pennsylvania. Each cluster represents a group of related industries and occupations in the American economy.

what you'll need		
interests	skills	experiences
English language fine arts communications & media computer & electronics music social sciences foreign languages	idea generation writing originality/creativity influencing others speech clarity working independently deductive reasoning	art/music/dance writing acting/entertaining others directing/conducting design/fashion broadcasting/public speaking computers/graphic technology
where you'll go		
entry level	skilled/technical	professional
Acting Career Public opinion researcher Videographer Desktop Publisher Mechanical Draftsperson Camera Operators: TV, Video Retail Salesperson Press Operators	Artist in Residence Music and Marketing Fabric/Textile Designer Photographer Printing Technology *Barber Advertising Sales Agents Interpreters & Translators	Art Historian Economics Graphic Designers Web Designer Writer Prepress Technician Industrial Packaging Designer Studio Musician

* Represents a **2013 High Priority Occupation** for Lancaster County Workforce Investment Area.



business & finance

Pathway Overview

Careers in this Pathway are related to the business environment and include entrepreneurial careers, sales, marketing, computer and information systems, finance, accounting, human resources, economics, and business management.

PA Dept. of Education Career Clusters:

Business, Management & Administration;

Finance; Information Technology; Marketing, Sales and Service

The U.S. Department of Education has designated 16 clusters of careers that form the basis for Career Pathway systems in Pennsylvania. Each cluster represents a group of related industries and occupations in the American economy.

what you'll need		
interests	skills	experiences
business environment office management computers & technology buying & merchandising record keeping owning your own business sales/persuading others designing systems leadership and authority Making a profit	influence others electronic information manage people & projects give speeches & presentations debate ideas explain electronic operations generate computer designs keep records collect & manage data use computers & technology	communicate effectively organize a project working with technology investing e-commerce & sales owning a business presentations to a group buying & merchandising hospitality & tourism work with the public
where you'll go		
entry level	skilled/technical	professional
Advertising Sales Agents *Accounts Payable/Receivable *Claims Adjusters Auto Sales Bank Clerk/Teller Entrepreneur Management Trainee Military supply *Payroll Clerk Receptionist *Truck Drivers Retail Sales	Accounting clerk Administrative Assistant Buyer Corporate Trainer Entrepreneur Marketing researcher Merchandising Manager Purchasing Manager *Real Estate Agent Tax Planner Wholesale Sales *Sales Representatives	Accountant/Controller Actuary Chief Executive Officer Auditor Consultant Economist Entrepreneur Financial Planner *Sales Manager Operations Manager Stockbroker Underwriter

* Represents a **2013 High Priority Occupation** for Lancaster County Workforce Investment Area.



engineering, science & technology

Pathway Overview

Careers in this Pathway are related to the technologies necessary to design, develop, install and maintain physical systems; agriculture, the environment and natural resources; scientific research and development services; and planning, management, and movement of people, materials and goods from one point to another.

PA Dept. of Education Career Clusters:

Agriculture, Food & Natural Resources;

Architecture & Construction; Manufacturing; Science, Technology, Engineering & Mathematics; Transportation, Distribution and Logistics

The U.S. Department of Education has designated 16 clusters of careers that form the basis for Career Pathway systems in Pennsylvania. Each cluster represents a group of related industries and occupations in the American economy.

what you'll need		
interests	skills	experiences
applied math building with your hands working on a team working in a laboratory setting working with electronics operating machinery & tools designing models & prototypes geography producing tangible result	design & create products design/repair engines improve things to work better think in a logical sequence visualize three dimensionally design buildings follow a schematic design follow instructions precisely	computer & electronics operating vehicles building & construction farming mechanical design model building problem solving assemble & repair items working outdoors
where you'll go		
entry level	skilled/technical	professional
Apprenticeship Body Repair *Machinist Automotive Detailer *Construction Laborer Highway Maintenance Packer/Packager *Painter Rail Worker Repair Technician	*Automotive Technology Aviation Maintenance Technology Building Construction Technology *Electro-Mechanical Technicians Nanofabrication Manufacturing Home and Building Remodeling Collision Repair Technology Environmental Specialist Surveying Metals Fabrication Architecture and Civil Drafters	Aerospace Agriculture Sciences Agronomy Animal Science Environmental Engineering *Civil Engineering Horticulture *Industrial Engineering Mathematics Physics Biochemists and Biophysicists

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health & social services

Pathway Overview

Careers in this Pathway are related to the promotion of health and treatment of disease and disorders; economic, political, and social systems; and teaching and training children and adults the information and skills needed to ensure a productive career and life.

PA Dept. of Education Career Clusters:

*Education & Training; Health Science; Hospitality & Tourism;
Human Services, Law, Public Safety & Security; Government & Public Administration*

The U.S. Department of Education has designated 16 clusters of careers that form the basis for Career Pathway systems in Pennsylvania. Each cluster represents a group of related industries and occupations in the American economy.

what you'll need		
interests	skills	experiences
caring for people or animals science and medicine helping others observing & recording facts researching information working on a team family and Social Services teaching others law	oral expression active listening speech clarity leadership social perceptiveness fluency of ideas inductive & deductive reasoning manual dexterity follow instructions precisely analyze collected data	volunteer work manage finances prioritize obligations pay attention to details remain fair and just relate to different people make learning fun for others cut & style hair organize travel plans
where you'll go		
entry level	skilled/technical	professional
*Health Care Support Workers Camp Counselor Custodian Food Service Worker *Medical Transcriptionist Library Aide Model Public Radio Dispatcher Security Guard Teacher Aide	*Biotechnology *Cardiovascular Technology Child Development Culinary Arts *Dental Hygiene Medical Assisting *Medical Laboratory Technician *Veterinary Technologists *Child Care Worker Surgical Technology Legal Secretary	*Secondary Education Hospitality/Management *Medical Technologist Pre-Medicine Pre-Dentistry Pre-Pharmacy *Registered Nursing Social Work Public Relations Lawyer

* Represents a **2013 High Priority Occupation** for Lancaster County Workforce Investment Area.

what's hot here at home.

Check out the top 40 jobs in Lancaster County

Career awareness and exploration include an understanding of changing job markets. Although you may not choose a high priority occupation, labor market data is an important part of career planning as you decide where to invest your time, effort, and money. Perhaps your interests, skills and experiences will lead you to one of the 40 hot jobs in Lancaster County.

(List compiled by the Workforce Investment Board of Lancaster County.)



*Students interested in Arts & Communication will find many avenues for their talents and interests in the workplace. Although there are currently no "hot jobs" in Lancaster County in this Pathway, the job market is always changing. Students interested in the arts may discover that their skills are valuable and applicable to careers in other Pathways. **Students should never let job market trends be their only consideration when choosing a career!***

Sales representatives, wholesale and manufacturing, except technical and scientific products
Accountants and auditors
Executive secretaries and administrative assistants
Bookkeeping, accounting, and auditing clerks
Secretaries, except legal, medical, and executive
Sales representatives, wholesale and manufacturing, technical and scientific products
Computer support specialists
Truck drivers, heavy and tractor-trailer

Carpenters
Printing machine operators
Industrial machinery mechanics
Packaging and filling machine operators and tenders
Machinists
Welders, cutters, solderers, and brazers
Brickmasons and blockmasons
Sheet metal workers
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic
Industrial engineers
Operating engineers and other construction equipment operators
Painters, construction and maintenance
Bus and truck mechanics and diesel engine specialists
Team assemblers
Industrial truck and tractor operators
Truck drivers, light or delivery services
Electricians
Maintenance and repair workers, general
First-line supervisors/managers of production and operating workers
Plumbers, pipefitters, and steamfitters
Heating, air conditioning, and refrigeration mechanics and installers

Registered nurses
Elementary school teachers, except special education
Police and sheriff's patrol officers
Dental assistants
Physical therapists
Pharmacists
Medical and clinical laboratory technicians
Licensed practical and licensed vocational nurses
Food batchmakers
Medical records and health information technicians
Radiologic technologists and technicians

arts & communication

business & finance

engineering, science
& technology

health & social services

For Parents: What is Career Cruising?

Career Cruising is an Internet-based career exploration and planning tool used by your son or daughter to explore career and college options and develop a career plan. Career Cruising can be accessed from school, from home, or wherever your son or daughter has access to the Internet. Features of the program include:

- » **Interest and Skills Assessment** - a world-renowned career assessment tool to help people identify suitable career options based on their interests and skills
- » **Career Profiles** - thorough and up-to-date information about hundreds of different occupations, including direct links between careers and related college programs
- » **Multimedia Interviews** - interviews with real people in each occupation, which add depth and realism to career profiles
- » **College and Financial Aid Information** - comprehensive college and financial aid information, with a number of useful search tools to help students find the right college and the right scholarships
- » **Electronic Career Portfolio** - available online, so students can develop their education and career plans from wherever they access Career Cruising
- » **Resume Builder** - integrated with the portfolio to help students format and print professional-looking resumes quickly and easily

To find out more about Career Cruising, we encourage you to login using the school's access information:

Login at: www.careercruising.com

Enter your school's username:

Enter your school's password:

Click on "Start Career Cruising" to begin



CareerCruising
The Complete Guidance System

lanaster county career & technology center

programs of study (POS)

The Carl D. Perkins Career and Technical Education Act of 2006 requires the development and implementation of career and technical Programs of Study (POS). The Lancaster County Career & Technology Center, under the Act, is now required to offer the relevant academic and technical courses as they relate to the POS. Programs of Study are very similar to, and build on, positive initiatives, such as Tech Prep, career pathways, career academies and career clusters, already underway in career and technical education in Pennsylvania.

Beginning with the class of 2013 priority admissions considerations will be in place for LCCTC programs. These considerations will include submission of an LCCTC application within the designated time period and the student's successful completion of POS secondary academic courses. These academic courses include:

- 4 Years of College Prep English (4th yr at LCCTC);
- 3 years of College Prep math including Algebra I, Geometry, Algebra II and a higher level math;
- 3 years of science including Biology, Chemistry and Physics or Physical Science; and
- 3 years of social studies including US and World History, with attention given to civic learning.

“programs of study” secondary scope and sequence

Grade 9	Grade 10	Grade 11	Grade 12
Elective(s) Communications Tech I Public Speaking Foreign Language Level I	Elective(s) Accounting Creative Writing History of American Film Communications Tech II Foreign Language Level 2	Elective(s) Accounting II Communications Tech. Indep. Study Anatomy and Physiology Foreign Language Level 3/4 Events, Issue, People in the News The Right to Remain Silent	LCCTC Full Day Program
English English 9 College Prep or English 9 Tech Prep	English English 10 College Prep or English 10 Tech Prep	English English 11 College Prep or English 11 Tech Prep	English LCCTC Post-Secondary Public Speaking** **Required
Math Algebra I College Prep or Advanced Algebra I or Algebra A Tech Prep or Algebra B Tech Prep or Algebra A College Prep or Algebra B College Prep	Math Discovering Geometry College Prep or Geometry College Prep or Advanced Geometry	Math Algebra II or Algebra C College Prep or Algebra C Tech Prep or Advanced Algebra II or Precalculus or Calculus	Math
Science General Science College Prep or General Science Tech Prep	Science Biology College Prep with Lab or Biology Tech Prep with Lab	Science Chemistry College Prep or Applied Chemistry or Applied Physics or General Physics or Physics College Prep	Science HACC Dual Enrollment BIO 105 Medical Term* 3 Cr. AH 140 Intro to Allied Health* 4 Cr. LG College of Nursing BIO 175 Anatomy & Phys I* 3 Cr. *Health Center Students Only
Social Studies American Cultures College Prep or American Cultures Tech Prep	Social Studies American Cultures II College Prep or American Cultures II Tech Prep	Social Studies World Cultures College Prep or World Cultures Tech Prep or Politics/Economics College Prep or Politics/Economics Tech Prep	Social Studies HACC Dual Enrollment PSY 101 General Psychology 3 Cr. SOC 201 Intro to Sociology 3 Cr. LG College of Nursing PSY 100 General Psychology* 3 Cr. *Health Center Students Only
• Career Pathways • Electronic Career Portfolio • Job Shadowing related to student's pathway • Career & Work Standards	• Career Pathways • Electronic Career Portfolio • Job Shadowing related to student's pathway • Career & Work Standards	• Career Pathways • Electronic Career Portfolio • Visits to LCCTC & Colleges • Career & Work Standards	• Industry Credentials • Career & Work Standards • Co-Op/Clinical • CTC Portfolio • Articulation to Post-secondary • HACC College in the High School Courses

lancaster county career & technology center

program offerings

Full day Programs - Grade 12

Brownstown Campus	Mount Joy Campus	Willow Street Campus
Construction Technologies Center Architectural CAD – Design Cabinet Making & Wood Technology Electrical Construction Technology HVAC/R Masonry Painting, Ceramic Tile & Vinyl Plumbing Information Technology Center Computer Systems Technology Visual Communications Center Commercial Art Digital Design/Print Media Photography & Digital Imaging	Advanced Manufacturing Center Electro-Mechanical Engineering Technology Sheet Metal Technology Welding Technology Construction Technologies Center Commercial Construction/Management Residential Carpentry Consumer Services Center Cosmetology Early Childhood Education Culinary Arts Center Baking & Pastry Arts Culinary Arts/Chef Event Planning & Tourism Services Management Protective Services Center (at the Lancaster County Public Safety Training Center) Protective Services	Agriscience Center Large Animal Sciences Veterinary Assistant Consumer Services Center Cosmetology Health Care Center Clinical Care Assistant Dental Assistant Medical Administrative Assistant Medical Assistant Nursing Assistant/Home Health Aide Transportation Technologies Center Automotive Mechanics Automotive Technology Collision Repair Diesel Equipment Technology Heavy Equipment Operation & Basic Maintenance RV & Outdoor Power Equipment
Part Day Programs - Grades 10, 11, & 12		
Senior Only Introduction to Health Careers Grades 10 & 11 Construction Cluster Culinary Cluster Health Care Cluster Manufacturing Cluster Transportation Cluster Visual Communications Cluster	Senior Only Introduction to Health Careers Grades 10 & 11 Construction Cluster Culinary Cluster Health Care Cluster Manufacturing Cluster Transportation Cluster	Senior Only Introduction to Health Careers Grades 10 & 11 Construction Cluster Culinary Cluster Health Care Cluster Manufacturing Cluster Transportation Cluster Visual Communications Cluster

General Information:

Full Day Programs – Grade 12

High school seniors spend the day at one of the three Lancaster County Career & Technology Centers, Brownstown, Mount Joy or Willow Street Campus. Students participate in a comprehensive technical or career-oriented program. The full-day program allows more usable time for instruction and enables students to gain insight into daily work patterns. In full-day programs an LCCTC student may earn college credits toward an associate degree at two year colleges. Through partnerships with area colleges, LCCTC provides a variety of dual enrollment courses. The LCCTC also has articulation agreements with 2-year colleges and technical schools. Dual enrollment and articulation offer college-level segments that give students an additional head start toward their future career and life long learning.

Part Day Programs – Grades 10, 11 & 12

Part day programs enable college bound seniors and students in grades 10 & 11 the opportunity to explore different aspects of a career field. The senior part day programs enable students to explore a career area for a few hours during each school day. Since the programs meet for only a part of a day, students can gain technical skills at LCCTC while meeting academic requirements for college at their sending schools. The 10th and 11th grade programs allow students to explore a variety of careers within an occupational cluster and are designed for students who plan to apply for one of the full-time Lancaster County Career & Technology Programs during their senior year.

More information about Lancaster County Career & Technology and its programs can be found at www.lcctc.org. For enrollment and application information, please contact your school counselor.

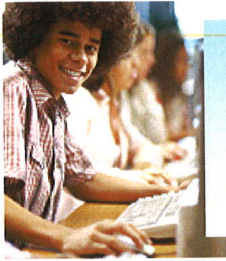
lancaster county career & technology center

dual enrollment program



Students Occupationally and Academically Ready

www.education.state.pa.us



**SOAR programs of study
prepare today's student for
tomorrow's high demand
and high wage careers**

SOAR is built on programs of study (POS) that incorporate secondary and postsecondary education elements and include coherent and rigorous academic and technical content aligned with Pennsylvania's challenging academic standards.

SOAR Agreement Articulation for advanced credit transfer is made possible when Perkins-allocated postsecondary institutions and Pennsylvania secondary schools offering SOAR programs agree to the terms and conditions stated in the Perkins Statewide Articulation Agreement.

SOAR Mission

The mission of SOAR is to prepare students for college and careers in a diverse, high-performing workforce.

SOAR Benefits

- Saving Money on College Tuition
- Saving Time by Shortening College Attendance
- Getting on the Right Career Pathway
- Entering the Job Market Ready
- Getting a Consistent Education

SOAR Articulation

SOAR credits are accepted at higher education institutions.

Website Navigation

- **Background**
Policy information on programs of study
- **Framework**
Templates and crosswalks to implement programs of study
- **Articulation**
Information relating to statewide articulation agreements

Learn More About SOAR

- **Programs of Study (POS)**
- **Planning Your Career**
- **Qualifying for SOAR College Credit**
- **Postsecondary SOAR Partners**

**Go to CollegeTransfer.net to see how
SOAR programs are accepted at
higher education institutions**



Get The Credit You Have Already Earned



pennsylvania
DEPARTMENT OF EDUCATION

For further information contact:

Bureau of Career and Technical Education
www.education.state.pa.us





advanced manufacturing center

Electro-Mechanical Engineering Technology

- Design, invent, and develop a vast array of electro-mechanical simulations for a dynamic experience.
- Interactive lab provides an opportunity to use robotics, hydraulic- pneumatic, and electrical technology systems.
- Analyze, diagnose, maintain, and repair electro-mechanical systems.

Sheet Metal Technology

- Create and fabricate custom metal work.
- Build and troubleshoot advanced sheet metal systems.
- Operate state of the art metal-shaping equipment.

Welding Technology

- Perform a wide range of welding processes using advanced welding techniques.
- Assemble and fabricate specialized metal products.
- Practice welds needed for weld certification, use modern power tools/equipment, and interpret fabrication blueprints.



agriscience center

Large Animal Sciences

- Explore the care, management, evaluation, treatment and marketing of agricultural production animals such as beef, dairy, swine, poultry, sheep, goats, and horses.
- Experience the passion of working with animals in a variety of farm settings.
- Interact with experts in the field through job shadowing, clinical experience, co-op opportunities, and FFA membership.

Veterinary Assistant

- Experience the reward of caring for animals in a clinical setting.
- Practice customer service and professional ethics when interacting with patients, clients and coworkers.
- Actively participate in live surgical clinics weekly as part of a professional veterinary team.



Architectural CAD – Design

- Work with experienced home and building designers.
- Create, design and produce complex working drawings from conception to completion.
- Use advanced state of the art software and hardware identical to what professional architects and engineers use.

Cabinet Making & Wood Technology

- Design and layout scale drawings and projects with industry-related equipment.
- Utilize numerous assembly techniques such as glues and adhesives and plastic laminates. Learn procedures for assembly and installation of finished product.
- Demonstrate the Skill Standards set forth by the woodworking industry to obtain industry-recognized credentials.

Commercial Construction/Management

- Construct building projects from site prep and layout to roofing and finish work.
- Operate the latest industry tools and equipment, including hand and power tools, excavation equipment, and safety gear.
- Develop valuable industry certifications in safety, tools, and equipment operations as well as apprenticeship.

Electrical Construction Technology

- Interact with electrical industry experts.
- Develop skills and knowledge needed to build electrical systems.
- Design and construct electrical systems in homes and businesses.

HVAC/R

- Work side by side with experienced HVAC industry professionals.
- Analyze and upgrade climate control systems to the ever changing HVAC field.
- Install, maintain, and repair air conditioning and heating equipment

Masonry

- Develop practical masonry skills through lab practice and actual construction projects in the community.
- Attain the theory foundation required to advance in the work force.
- Participate in an Employability Program enabling job procurement, retention, and career satisfaction.

Painting, Ceramic Tile & Vinyl

- Apply professional painting skills to provide property upgrades.
- Install ceramic tile and vinyl flooring utilizing professional hand and power tools.
- Operate various types of “state of the art” spray equipment.

Plumbing

- Interact with plumbing industry experts.
- Perform plumbing systems installation in homes and businesses.
- Interpret and construct plumbing systems in homes and businesses.

Residential Carpentry

- Experience the construction of a new home using green technology.
- Develop the skills and knowledge needed to interpret and construct current building systems.
- Operate a wide range of hand, power and air tools.



consumer services center

Cosmetology

- Interact with professional cosmetologists to develop the skills needed in preparation for state licensing exam and continuing education.
- Express individual creativity by providing a wide range of hair, nail and skin care experiences.
- Experience and manage professional full service interactive salon environment.

Early Childhood Education

- Explore the early childhood profession by interacting with infants, toddlers, preschoolers and elementary school children in our modern daycare center.
- Create a professional portfolio for college and careers in early childhood education.
- Design, develop, and deliver early learning activities.



culinary arts center

Baking and Pastry Arts

- Work in a state of the art facility with professional pastry chefs.
- Combine creativity and skills to design specialty cakes and pastries.
- Produce baked goods and plated desserts for our restaurant, store, and catering events.

Culinary Arts/Chef

- Plan, prepare and serve meals for upscale catered events and casual-to-fine dining restaurant service.
- Work side by side with professional chefs starting in the school kitchens and moving into professional placements.
- Prepare for job opportunities locally, abroad, and in exotic locations in the diverse culinary and hospitality industry.

Event Planning & Tourism Services Management

- Deliver superior customer service to hotel and event guests.
- Team with industry professionals to plan and assemble upscale events and experiences.
- Design promotional flyers and presentations.



health care center

Clinical Care Assistant

- Be a driving force on a professional healthcare team delivering high quality patient care.
- Deliver basic patient care and perform therapeutic and diagnostic procedures in a hospital setting, physician's office or home health agency.
- Practice ethical standards, confidentiality, and professionalism when interacting with patients, clients and co-workers.

Dental Assistant

- Experience the satisfaction of providing high quality patient care in a team-oriented, modern dental office environment.
- Perform a wide variety of dental office duties with other dental professionals that include taking x-rays, mixing materials, passing instruments, sterilization and receptionist duties.
- Work alongside other dental professionals to ensure patients receive the highest quality dental care.

Medical Administrative Assistant

- Perform computerized medical office operations in scheduling, billing, and medical records.
- Be a driving force on a professional healthcare team by delivering high quality customer service while performing clerical and other administrative duties in medical centers, physician offices, and hospitals.
- Practice ethical standards, confidentiality, and professionalism when interacting with patients, coworkers, and other medical professionals.

Medical Assistant

- Apply advanced diagnostic procedures to patient care such as phlebotomy and pharmacology; assist in minor office surgeries.
- Participate in a 7 week medical assistant externship in a medical facility.
- Be a driving force on a professional healthcare team delivering high quality patient care.

Nursing Assistant/Home Health Aide

- Experience the passion of providing high quality patient care in a long term care facility and private home setting.
- Perform a wide range of basic nursing skills, personal care skills, and enhanced dining experiences in a classroom and real world setting.
- Work with various healthcare team members providing direct patient care.



information technology center

Computer Systems Technology

- Build, upgrade, maintain and repair desktop and laptop computers.
- Design, install, and troubleshoot computer network configurations.
- Perform custom work for clients: individuals, schools, and businesses.



protective services center

Protective Services Academy

- Experience the thrill and pride of saving lives and protecting the community.
- Use the latest technology and equipment available by operating fire engines, ambulances, computer crime scene mapping system, Segways, and more!
- Engage in lifesaving emergency medical treatment, firefighting/rescue techniques, and law enforcement operations.



transportation technologies center

Automotive Mechanics

- Work on today's high tech vehicle's electronic, computerized, and mechanical systems.
- Develop the skills to be successful in a constantly changing automotive industry.
- Analyze, diagnose, maintain, and repair basic and advanced automotive systems.

Automotive Technology

- Work side by side with experienced Automotive Technicians.
- Experience the thrill of diagnosing today's vehicle's complex computer programs and mechanical systems.
- Develop the skills needed to become a part of the Automotive Technology Team!

Collision Repair

- Perform necessary processes using state-of-the-art welding, refinishing, and painting equipment.
- Diagnose damage and estimate repairs to frame, unibody, and suspension.
- Experience the thrill of repairing real vehicles to a pre-accident condition.

Diesel Equipment Technology

- Use the same advanced diagnostic equipment and repair equipment as master technicians to troubleshoot and repair commercial vehicle systems.
- Perform preventative maintenance and inspection on medium and heavy duty trucks.
- Maintain and operate today's high tech vehicle's computer systems.

Heavy Equipment Operation & Basic Maintenance

- Operate, trouble-shoot, and maintain heavy equipment.
- Interpret blueprints and site plans for site development.
- Collaborate and perform heavy equipment related activities in a team setting.

RV & Outdoor Power Equipment

- Diagnose, maintain and repair a wide range of lawn and garden tractors and equipment from motorcycles to ATVs.
- Use same advanced diagnostic and repair equipment as a master technician uses to troubleshoot complex systems.
- Work on any outdoor power equipment and recreational vehicle in a rapidly changing industry using a full systems approach.



visual communications center

Commercial Art

- Work directly with Advertising and Design Professionals.
- Experience the same hardware/software as professional illustrators, graphic designers, and art directors.
- Create high-impact art using traditional drawing tools and professional applications for advertising and marketing materials.

Digital Design/Print Media

- Work side by side with graphics industry professionals.
- Create projects and art works on state of the art equipment.
- Design printing works using various techniques.

Photography & Digital Imaging

- Shoot photos like a professional photographer.
- Creatively enhance photos with Adobe Photoshop.
- Work side by side with established industry professionals.



part-day programs

Construction Cluster

- Experience the basic construction trades.
- Operate professional hand and power tools.
- Perform basic carpentry, masonry, plumbing, and electrical skills and more!

Culinary Cluster

- Create desserts from traditional recipes such as cookies and cheesecakes to pastries with artistic presentation.
- Experience the latest trends in food preparation such as Asian cuisine, barbecue, and vegetarian dishes as well as traditional cuisine.
- Plan, prepare, and serve meals for special events.

Health Care Cluster

- Perform a wide range of medical skills in various health care careers.
- Use medical equipment in exploring the human body.
- Practice ethical standard, confidentiality, leadership and professionalism when interacting with patients, clients, and co-workers.

Introduction to Health Careers

- Shadow health care professionals in a variety of clinical settings to observe patient care.
- Practice ethical standards, confidentiality, leadership, and professionalism when interacting with patients, clients, and coworkers.
- Develop student interest in a health care profession by using college level curriculum.

Manufacturing Cluster

- Fabricate and build custom metal projects.
- Operate the same welding and cutting equipment as industry professionals.
- Design, invent and develop electrical and robotic systems.

Transportation Cluster

- Develop the skills to diagnose and troubleshoot today's hi-tech vehicles and equipment.
- Explore and experience the operating systems and repair procedures for a wide range of vehicles.
- Interact with Trade Professionals from Transportation Industry.

Visual Communications Cluster

- Experience drawing, computer graphics, and photography to deliver powerful visual arts.
- Capture photographs with current digital cameras.
- Create and design reproductions utilizing the same hardware and design software as professional graphic artists and commercial print ers.