
Programs of Study

Marathon High School

2020-2021 School Year



CAREER CLUSTERS & PROGRAMS OF STUDY

The Framework

Career Clusters are broad occupational groupings that serve as an organizing tool categorizing common knowledge and skill sets for secondary and post-secondary education through 16 broad groups of occupations and 79 pathways (sub-groups). As a tool, Career Clusters:

- blend rigorous academic/technical preparation
- provide for career development
- offer options for students to experience all aspects of a business or industry
- facilitate/assist students and educators with ongoing transitions

The Plan

Programs of Study (POS) are sequences of Academic AND Career Technical Education courses to help students attain a postsecondary degree or industry-recognized certificate or credential within a career cluster/pathway. At minimum a POS must:

- Incorporate and align secondary and postsecondary education elements.
- Include academic and CTE content in a coordinated, non-duplicative progression of courses.
- Offer the opportunity, where appropriate, for secondary students to acquire postsecondary credits.
- Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

The Process

Career Pathway

A career pathway is a coherent, articulated sequence of rigorous academic and career related courses (the POS), commencing in ninth grade and leading to an associate degree, and/or an industry-recognized certificate or licensure, and/or a baccalaureate and beyond.

A career pathway...

- is developed, implemented and maintained in partnership among secondary and postsecondary education, business, and employers.
- is available to all students and designed to lead THROUGH the desired levels of education and training TO rewarding careers.

The Program of Study

A Program of Study is a specific career pathway, defined by a local school/district partnership, which is a sequence of instruction based on recommended standards and knowledge and skills, consisting of coursework, co-curricular activities, worksite learning, service learning and other learning experiences.

The ACP Model

Know-Explore-Plan-Go aligns Wisconsin ACP required components with research-based recommendations for incorporating career development throughout K12 for self-exploration, career exploration, and career planning and management.

Self-Awareness (KNOW)

- Periodic self-assessment of interests and strengths
- Reflection and goal-setting
- Financial knowledge & understanding of resources
- Academic courses & skill preparation
- Behavioral & employability skill preparation

Career Exploration (EXPLORE)

- Middle School career exploration activities and opportunities
- High School career exploration activities and opportunities
- World of work and labor market needs
- Understanding and comparing different postsecondary education & training

Career Planning (PLAN)

- Planning skills
- The Middle School plan
- The High School plan

Career Management (GO)

- Executing the plan
- Updating the plan with new information & artifacts
- Conferencing & mentoring
- Transitioning ACP Components



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AGRICULTURE, FOOD & NATURAL RESOURCES

This program of study prepares learners for careers in the planning, implementation, production, management, processing and/or marketing of agricultural commodities and services. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

Pathways

- ❖ Agribusiness Systems Pathway
 - Knowledge & Skills Statement
- ❖ Animal Systems Pathway
 - Knowledge & Skills Statement
- ❖ Environmental Service Systems Pathway
 - Knowledge & Skills Statement
- ❖ Food Products & Processing Systems Pathway
 - Knowledge & Skills Statement
- ❖ Natural Resources Systems Pathway
 - Knowledge & Skills Statement
- ❖ Plant Systems Pathway
 - Knowledge & Skills Statements
- ❖ Power, Structural, & Technical Systems Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, AP Calculus, SCIENCE: Physics, AP Physics SOCIAL STUDIES: Area Studies BUSINESS: Employability Skills WORLD LANGUAGE: Spanish I-V AGRISCIENCE: Animal Science, Advanced Animal Science, Greenhouse Management, Food Science</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FFA, Ecology, FBLA,</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

AGRICULTURE, FOOD AND NATURAL RESOURCES

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE / LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AGRIBUSINESS SYSTEMS				
-Farm & Ranch Workers	-Agriculture Contact Provider	-Agribusiness Management -Agribusiness Operations Technology -Agri-Communications -Farm and Ranch Business Management	-Agricultural Economics -Agribusiness -Agricultural Education -Agricultural Journalism -Hospitality, Restaurant & Tourism Management -Professional Golf Management	-Agricultural Economics -Agriculture Leadership -Education Statistics
ANIMAL SYSTEMS				
-Animal Caretakers -Material Collection	-Ag Dairy Technician -Beef Quality Assurance -Livestock Production -Pork Quality Assurance	-Animal Science -Equine Industry Management -Livestock Industry Management -Swine Management -Veterinary Technology	-Animal Science -Biochemistry -Grazing Livestock Systems -Veterinary Science -Veterinary Technologist	-Animal Science (Nutrition, Genetics or Physiology Focus) -Biochemistry -Integrative Biomedical Sciences -Veterinary Medicine
ENVIRONMENTAL SERVICE SYSTEMS				
-Refuse and Recyclable -Material Collection		-Environmental Science -Laboratory Science Technology	-Aquatic Ecology -Conservation Biology -Environmental Soil Science -Environmental Studies -Habitat Management -Insect Science	-Entomology -Natural Resource Science
FOOD PRODUCTS & PROCESSING SYSTEMS				
-Butchers & Meat Cutters -Meat Processing -Slaughter & Meat Packer	-Ag Dairy Technician -Commercial Plant Production -Food Handlers Permit -Quality Control	-Agronomy -Diversified Agriculture -Dietary Management -Food Science & Technology -Quality Control	-Agronomy -Animal Science, Food Science & Technology -Hospitality, Restaurant & Tourism Management -Mechanized Systems Management	-Agronomy -Animal Science (Meat Science Focus) -Food Science & Technology

NATURAL RESOURCES SYSTEMS				
		-Natural Resources Systems -Soil & Water Conservation -Wildlife Management	-Environmental Soil Sciences -Environmental Studies -Fisheries & Wildlife -Grassland Ecology / Management -Natural Resources & Environmental Economics -Water Science	-Horticulture & Forestry -Natural Resources Sciences
PLANT SYSTEMS				
-Nursery & Greenhouse Workers -Seed Sales -Tree Trimmers & Pruners	-Commercial Horticulture	-Agronomy Commercial -Horticulture Crop Production -Forestry Landscape / Nursery -Sport Turf Technology	-Agronomy -Biochemistry -Diversified Agriculture Studies -Grazing Livestock Systems -Horticulture -Insect Science	-Agriculture Agronomy -Biochemistry Entomology -Horticulture -Horticulture & Forestry
POWER, STRUCTURAL & TECHNICAL SYSTEMS				
-Electrician Apprentice -Plumbing Apprentice -Welding Apprentice	-Parts Distribution & Management -Parts/Sales & Management	-Agri-Technology Farm -Mechanics Irrigation Tech -John Deere Ag Technician	-Agricultural Operations -Mechanized Marketing -Mechanized Science -Processing Operations	-Agricultural & Biological Systems Engineering -Mechanized Systems Management

ARCHITECTURE & CONSTRUCTION

This program of study prepares learners for careers in designing, planning, managing, building and maintaining the building environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.

Pathways

- ❖ Design/Pre-Construction Pathway
 - Knowledge & Skills Statement
- ❖ Construction Pathway
 - Knowledge & Skills Statement
- ❖ Maintenance/Operations Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, AP Calculus SCIENCE: Physics, AP Physics SOCIAL STUDIES: Area Studies, European History BUSINESS: Employability Skills, Accounting, Marketing WORLD LANGUAGE: Spanish I-V ART: Art I-II, Painting STEM: Introduction to Engineering, Principles of Engineering TECH EDUCATION: Intro to Drafting, Architectural Drafting, Woods I-III, Construction Trades I-II</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Tech Ed, Skills USA</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

ARCHITECTURE & CONSTRUCTION

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE- JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
CONSTRUCTION				
-Carpentry -Iron Working -Masonry	-Carpentry -Construction Management -Electrical & Power Transmission -Iron Working	-Carpentry -Construction Management -Electrical & Power Transmission -Iron Working	-Construction Management	-Construction Management -Construction Engineering
DESIGN & PRE-CONSTRUCTION				
	-Interior Design -Surveying Technology		-Architectural Engineering Technology -Civil Engineering Technology -Interior Design -Landscape Architecture	-Architectural Engineering Technology -Civil Engineering Technology -Environmental Design -Interior Design -Landscape Architecture
MAINTENANCE & OPERATIONS				
-Electrical / Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Electrical/Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Electrical/Electronic Equipment, Installation & Repair -Grounds-keeping -Heating, Air Conditioning & Refrigeration Technology	-Industrial Engineering -Grounds Supervisor -Cost Estimator	

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Individuals that work in the AV communications industry manufacture, sell, rent, design, install, integrate, operate, and repair the equipment of audiovisual communications. Careers include designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways

- ❖ A/V Technology & Film Pathway
 - Knowledge & Skills Statement
- ❖ Printing Technology Pathway
 - Knowledge & Skills Statement
- ❖ Visual Arts Pathway
 - Knowledge & Skills Statement
- ❖ Performing Arts Pathway
 - Knowledge & Skills Statement
- ❖ Journalism & Broadcasting Pathway
 - Knowledge & Skills Statement
- ❖ Telecommunications Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics BUSINESS: Employability Skills WORLD LANGUAGE: Spanish I-V ART Art I-IV, Photoshop MUSIC: Choir, Band STEM: Introduction to Engineering, Principles of Engineering TECH EDUCATION: Intro to Drafting, Architectural Drafting, Woods I-III, Construction Trades I-II</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Student Council</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AUDIO & VIDEO TECHNOLOGY & FILM				
	-Audio & Recording Technology -Video Production	-Audio & Recording Technology -Communications Technology -Electronics -Industrial Video Production -Film/Video Technology	-Design & Visual Communications -Electrical Engineering -Film Studies & Production -Mechanical Engineering -Telecommunications Management	-Electronics Engineering
JOURNALISM & BROADCASTING				
	-Certification by the Society of Broadcast Engineers -Radio Announcing -Radio Production	-Audio & Recording Technology -Radio/TV Journalism -Mass Media/Communications -Media Arts	-Advertising -Broadcasting -Journalism -News-Editorial -Visual Communications	-Journalism
PERFORMING ARTS				
-Movie & Stage Grip -Usher & Ticket Taker -Movie Projectionist	-Musical Instrument Repair & Tuning Sound Engineering -Theater Technology	-Camera Operations -Music -Musical Instrument Repair & Tuning Sound Engineer -Sound Engineering -Theater Technology	-Arts Administration -Dance -Music -Stage Management -Theater Arts	-Music -Musical Arts
PRINTING TECHNOLOGY				
-Bookbinder & Bindery Worker -Graphic & Printing Equipment Operator	-Desktop Publishing -Digital Publishing -Graphic Communication -Offset Publishing -Web Page Design	-Electronic Imaging & Graphics -Graphic Design -Media Arts -Printing Technology -Visual Publications	-Computer Graphics -Graphic Design -Industrial Design -Printing Management -Visual Communication & Design	
TELECOMMUNICATIONS				
	-Electronics Technology	-Computer & Information Sciences -Computer Systems Analysis -Electronics Technology in Telecommunications -Information Technology	-Computer Networking & Telecommunications -Electronics Engineering -Operations Technology -Telecommunications Management	-Electronics Engineering -Information Technology -Telecommunications -Engineering
VISUAL ARTS				
-Photograph Processing Worker	-Commercial Art -Digital Publishing -Graphic Art -Multimedia -Photography	-Commercial Art -Graphic Design -Interior Design -Media Arts -Visual Publications	-Art History -Fashion Design -Graphic Design -Interior Design -Studio Arts -Visual Communications	-Art History -Studio Arts

BUSINESS MANAGEMENT & ADMINISTRATION

The Business Management and Administration Cluster prepares learners for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Pathways

- ❖ Administrative Support Pathway
 - Knowledge & Skills Statement
- ❖ Business Information Management Pathway
 - Knowledge & Skills Statement
- ❖ General Management Pathway
 - Knowledge & Skills Statement
- ❖ Human Resource Management Pathway
 - Knowledge & Skills Statement
- ❖ Operations Management Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Financial Math BUSINESS: Employability Skills, Computer Applications, Intro to Business, International Business, Marketing SOCIAL STUDIES: Consumer Economics WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

BUSINESS, MANAGEMENT & ADMINISTRATION

Career Types by Pathway

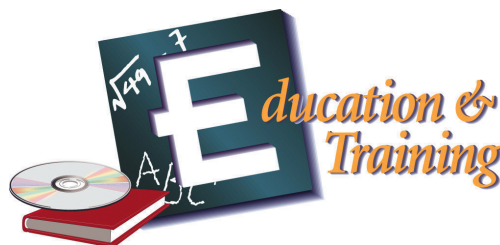
HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
ADMINISTRATIVE SERVICES				
-Administrative Assistant -Computer Operator -Customer Service Specialist -Entry Specialist	-Court Reporting -Information Processing -Legal or Medical Information Technology -Office Administration	-Court Reporting -Information Processing -Legal of Medical Information Technology -Office Administration	-Information Systems -Information Technology Management	
BUSINESS INFORMATION MANAGEMENT				
	-Business Administration -Information Technology -Office Technology	-Business Administration -Information Technology -Office Technology	-Business Administration -Information Systems -Information Technology -Management	-Business Administration -Information Technology
HUMAN RESOURCE MANAGEMENT				
-Human Resources Clerk	-Business Administration	-Business Administration	-Human Resources Management	-Business Administration
MANAGEMENT				
	-Certified Government Auditing Professional -Certified Professional Consultant	-Agribusiness Business -Administration -Marketing	-Business Administration -Entrepreneurship -Marketing -Finance -Hospital Management -International Business -Sport Management	-Business Administration -Management
OPERATIONS MANAGEMENT				
	-Business Administration Retail Management	-Agribusiness -Business Administration	-Business Administration -Marketing Operations -Management	-Business Administration

EDUCATION & TRAINING

This program of study prepares learners for careers in planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.

Pathways

- ❖ Administrative & Administrative Support Pathway
 - Knowledge & Skills Statement
- ❖ Professional Support Services Pathway
 - Knowledge & Skills Statement
- ❖ Teaching and Training Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Employability Skills, Teacher Aide WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Yearbook, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team, National Honor Society, FFA, Spanish Club</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

EDUCATION & TRAINING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
ADMINISTRATION & ADMINISTRATIVE SUPPORT				
				-Educational Administration -Educational Studies -Business Administration -Administration & Supervision
PROFESSIONAL SUPPORT SERVICES				
	-Personal Trainer	-Library Technical Assistant	-Speech-Language Pathology -Social Work -Information Science & Technology -Special Education & Communication Disorders -Teacher of the Blind & Visually Impaired	-Educational Psychology -Human Services -Instructional Technology -School Psychology -School Counseling -Social Work -Speech Pathology
TEACHING/TRAINING				
-Child Care Worker -Coach of Community-based Sports Leagues	-Early Childhood Education -Assistant Coaching	-Early Childhood Education -Sign Language Interpreting -Education Paraprofessional	-Early Childhood Education -Elementary Education -Middle Level Education -Secondary Education -Special Education -Athletic Trainer	-Curriculum & Instruction Education -Teaching, Curriculum & Learning -Leadership Education -Leadership Studies -College/University Faculty

FINANCE

The Finance path of study prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Pathways

- ❖ Accounting Pathway
 - Knowledge & Skills Statement
- ❖ Banking Services Pathway
 - Knowledge & Skills Statement
- ❖ Insurance Pathway
 - Knowledge & Skills Statement
- ❖ Securities & Investments Pathway
 - Knowledge & Skills Statement
- ❖ Business Finance Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Employability Skills, Accounting I & II, Introduction to Business SOCIAL STUDIES: AP U.S. Government and Politics, Consumer Economics WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Skills USA, Academic Decathlon, Economics Challenge Team, Athletics</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

FINANCE

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE- JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
ACCOUNTING				
-Accounting Clerk -Bookkeeping Clerk	-Business Administration	-Business Administration	-Tax Examiner	-Accounting -Certified Public Accountant
BANKING SERVICES				
-Bank Teller -Commodity Banker		-Business Administration	-Banking & Finance -Business Administration -Auditor	-Banking & Finance -Business Administration
BUSINESS FINANCE				
		-Business Administration -International Business -Trade & Finance	-Business Administration -Economics -Foreign Exchange Manager	-Accounting & Finance -School District Business Manager
INSURANCE				
-Customer Service Agent -Processing Clerk	-Tax Preparation	-Business Administration -Property & Casualty Insurance	-Mathematics -Statistics	-Actuarial Science
SECURITIES & INVESTMENT				
-Payroll Clerk	-Certified Financial Analyst -Certified Financial Planner	-Agribusiness Business Administration -Court Reporting -Information Technology -Office Administration -Office Technology	-Accounting Business Administration -Finance	-Business Administration -Management

GOVERNMENT & PUBLIC ADMINISTRATION

This program of study prepares learners for careers in the planning, implementation, production, management, processing and/or marketing of agricultural commodities and services. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical and educational services.

Pathways

- ❖ Governance Pathway
 - Knowledge & Skills Statement
- ❖ National Security Pathway
 - Knowledge & Skills Statement
- ❖ Foreign Services Pathway
 - Knowledge & Skills Statement
- ❖ Public Management & Administration Pathway
 - Knowledge & Skills Statement
- ❖ Planning Pathway
 - Knowledge & Skills Statement
- ❖ Revenue & Taxation Pathway
 - Knowledge & Skills Statements
- ❖ Regulation Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Employability Skills, Sports and Entertainment Management SOCIAL STUDIES: European History, Consumer Economics, Intro to Law, World War II, Vietnam TECHNOLOGY: Architectural Drafting WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Economics Challenge Team, Mathletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

GOVERNMENT & PUBLIC ADMINISTRATION

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
FOREIGN SERVICE				
			-International Studies -Sociology -Geography & History -International Business -Economics -Statistics	-Survey, Research & Methodology -Sociology -Economics -Statistics
GOVERNANCE				
	-Election Supervisor		-Political Science -Geography -Economics -Statistics	-Political Science -Geography -Economics -Statistics
NATIONAL SECURITY				
			-Military Science -Psychology -Electrical or Computer Engineering -Foreign Language	-Survey, Research & Methodology
PLANNING				
			-Economics -Geography -Engineering	-Community & Regional Planning -Economics -Architecture -Geography -Survey, Research & Methodology
PUBLIC MANAGEMENT & ADMINISTRATION				
	-City Planning Aide -Building Inspector		-Actuarial Science -Management -Business Administration -Economics -Statistics	-Public Administration -Survey, Research & Methodology -Actuarial Science -Management -Economics
REGULATION				
			-Food Science & Technology -International Business -Economics -Statistics	-Survey, Research & Methodology -Food Science -Technology -Economics
REVENUE & TAXATION				
			-Accounting, Economics -Finance -Actuarial Science -Statistics	-Accounting, Economics -Finance -Actuarial Science -Family Financial Planning

HEALTH SCIENCE

The Health Science program of study connects individuals to a large variety of health care areas that is characterized by diversity and changing technologies. Health Science careers include planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. There are obvious connections between Health Sciences and other programs of study.

Pathways

- ❖ Therapeutic Services Pathway
 - [Knowledge & Skills Statement](#)
- ❖ Diagnostic Services Pathway
 - [Knowledge & Skills Statement](#)
- ❖ Health Informatics Pathway
 - [Knowledge & Skills Statement](#)
- ❖ Support Services Pathway
 - [Knowledge & Skills Statement](#)
- ❖ Biotechnology Research & Development Pathway
 - [Knowledge & Skills Statements](#)



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus, Calculus BUSINESS: Employability Skills SCIENCE: Chemistry, Advanced Chemistry, Physics, AP Physics, Advanced Biology SOCIAL STUDIES: Consumer Economics, Social Problems, Introduction to Law WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Mathletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HEALTH SCIENCE

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
BIOTECHNOLOGY RESEARCH AND DEVELOPMENT				
	-Quality Assurance Technician -Quality Control Technician	-Clinical Laboratory -Medical Laboratory -Technician (CLT) -Technician (MLT)	-Biochemistry Immunology -Medical Technology -Microbiology Neuroscience	-Anatomy -Biochemistry -Oncology -Biology -Virology -Epidemiology
DIAGNOSTIC SERVICES				
-Clinical Rotation	-Electrocardiograph Technology -Nuclear Medical Technology -Radiology Technologist	-Cardiovascular Technologist -Medical Laboratory Assisting -Nuclear Medical Technology	-Biology -Medical Imaging Technology -Medical Laboratory Science -Nutrition	-Cardiovascular Technology -Diagnostic Radiology -Medical Laboratory Science -Nuclear Medicine
HEALTH INFORMATICS				
-Coding Experience -Data Entry -Community Service	-Health Records Technology -Medical Assisting -Medical Librarian -Medical Transcription	-Health Information -Technology Medical Coding -Medical Office Services	-Community Health -Health Care Administration -Health Education	-Health Care Administration -Library Science -Nursing Administration -Public Health
SUPPORT SERVICES				
-Central Services Assistant -Dietary Manager -Electrical/Electronic Equipment Repair	-Dietary Management -Electrical/Electronic Equipment Repair -Medical Office Management	-Dietary Management -Medical Office Management -Registered Dietetic Technician	-Biomedical Technology -Environmental Health & Safety -Prosthetic Therapies -Psychologist -Social Worker	-Environmental Health Sciences -Industrial/Operations Engineering -Public Health
THERAPEUTIC SERVICES				
-Clinical Rotation -Dental Assisting -Health Aide -Medical Assistant	-Certified Nurse's Aide -Dental Assisting -Licensed Practical Nurse -Massage Therapy	-Dental Hygiene -Licensed Practical Nursing -Pre-Medicine -Surgical Technology	-Athletic Training/ Exercise Science -Dietetics -Pre-Medicine -Recreational Therapy -Nurse -Pharmaceutical Services	-Clinical Nutrition -Dentistry -Medicine -Nurse Anesthetist -Speech Language Pathologist -Chiropractor -Optometrist -Veterinarian

HOSPITALITY AND TOURISM

The Hospitality and Tourism program of study prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services. Hospitality operations are located in communities throughout the world.

Pathways

- ❖ Restaurants & Food/Beverage Services Pathway
 - Knowledge & Skills Statement
- ❖ Lodging Pathway
 - Knowledge & Skills Statement
- ❖ Travel & Tourism Pathway
 - Knowledge & Skills Statement
- ❖ Recreation, Amusements & Attractions Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Employability Skills, Marketing, Hospitality Management, Introduction to Business, Sports and Entertainment Marketing SOCIAL STUDIES: Consumer Economics, European History, Introduction to Law WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Student Council, Academic Decathlon, Athletics, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HOSPITALITY AND TOURISM

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE- JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
LODGING				
-Bell Captain -Guestroom Attendant -Reservationist	-Hotel Management	-Hotel Management	-Business Administration -Lodging Management -Sales and Marketing	
RECREATION, AMUSEMENTS & ATTRACTIONS				
-Museums/Zoo/ Aquarium Docent -Resort Instructor -Theme Parks Retail Manager			-Business Administration -Management -Recreation, Fitness and Leisure Studies -Sports & Fitness Management	-Business Administration
RESTAURANT AND FOOD/BEVERAGE SERVICES				
-Cook -Dishwasher -Wait Staff	-Culinary Arts and Management -Dietary Management -Food Services / Hospitality -Food Service Management		-Food Service/ Hospitality -Food Service Management -Hospitality Management -Restaurant and Food Service -Administration -Travel and Tourism	-Restaurant/Food Service -Administration
TRAVEL AND TOURISM				
-Event Planner -Ticket Agent -Tour Guide -Travel Agent	-Business Administration -Travel & Tourism	-Business Administration -Sales and Marketing -Travel & Tourism	-Business Administration -Marketing -Operations Management	-Business Administration

HUMAN SERVICES

This program of study prepares individuals for employment in career pathways related to families and human needs including counseling and mental health services, family and community services, personal care, and consumer services.

Pathways

- ❖ Early Childhood Development & Services Pathway
 - Knowledge & Skills Statement
- ❖ Family & Community Services Pathway
 - Knowledge & Skills Statement
- ❖ Counseling & Mental Health Services Pathway
 - Knowledge & Skills Statement
- ❖ Personal Care Services Pathway
 - Knowledge & Skills Statements
- ❖ Consumer Services Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics BUSINESS: Employability Skills SCIENCE: Advanced Biology SOCIAL STUDIES: AP U.S. Government and Politics, Area Studies, Intro to Law, Social Problems WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology MUSIC: Choir, Band</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics, Student Council</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

HUMAN SERVICES

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
CONSUMER SERVICES				
-Call Center -Customer Service	-Certified Financial Planner -Wellness		-Family Science -Family Financial Management -Human Services -Business Administration	-Family Science -Human Services -Business Administration
COUNSELING & MENTAL HEALTH SERVICES				
		-Human Services -Chemical Dependency Counselor	-Human Services -Psychology -Social Work -Human and Social Services Administration -Career Counselor	-Marriage & Family Therapy -Early Childhood Education -Special Education and Communication Disorders -School Counselor -School Psychologist
EARLY CHILDHOOD DEVELOPMENT & SERVICES				
	-Nanny -Parenting	-Early Childhood Education	-Family Science -Special Education and Communication Disorders	-Child Development -Early Childhood Education -Special Education and Communication Disorders
FAMILY & COMMUNITY SERVICES				
	-Para-educator -Family Life Specialist -Spirituality -Biblical Studies	-Human Services -Theology	-Human Services -Psychology -Nutrition, Fitness and Health Promotion -Gerontology -Family Science -Social Work	-Family Science -Psychology -Social Work -Human Services
PERSONAL CARE SERVICES				
	-Barbering -Cosmetology -Esthetics -Massage Therapy	-Mortuary Science -Cosmetology	-Pre-Mortuary Science -Hospice	

INFORMATION TECHNOLOGY

The Information Technology / Computing program of study involves the design, development, support and management of hardware, software, multimedia and systems integration services. In addition to careers in the IT industry, IT careers are available in every sector of the economy – from Financial Services to Medical Services, Business to Engineering and Environmental Sciences.

Pathways

- ❖ Network Systems Pathway
 - Knowledge & Skills Statement
- ❖ Information Support & Services Pathway
 - Knowledge & Skills Statement
- ❖ Web & Digital Communications Pathway
 - Knowledge & Skills Statement
- ❖ Programming & Software Development Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English MATH: Statistics, Pre-Calculus BUSINESS: Employability Skills, Computer Applications, Computer App & Game Programming, Computer Hardware I & II SCIENCE: Physics, AP Physics ART: Art, Painting STEM: Introduction to Engineering, Principles of Engineering WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology MUSIC: Choir, Band</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics, Yearbook</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

INFORMATION TECHNOLOGY

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
INFORMATION SUPPORT AND SERVICES				
-Help Desk Assistant	-Electronics Technician -Information Technology -Microsoft Certified -Database Administrator -Microsoft Office Specialist -Oracle Certified Professional	-Helpdesk/ Microcomputer Support -Information Technology -Computer Information -Systems Database Supports -Technical Support	-Computer Information -Systems Management -Information Systems -Mass Communications / Media Studies -Web/Multimedia Management	-Computer Information Systems -Computer Science Management -Information Systems
NETWORK SYSTEMS				
-Network Technician	-Cisco Training -Electronics Technology -Informational Technology -Microsoft Certified Systems Engineer Certification	-Computer and Information Sciences -Computer Technology -Electronics Technology -Information Technology -Networking Technology	-Computer Science -Computer Engineering -Computer Systems Analysis -Management Information Systems -Telecommunications Management	-Computer Science -Computer Engineering -Information Technology -Telecommunications Engineering
PROGRAMMING AND SOFTWARE DEVELOPMENT				
	-Information Technology -Computer Programming -Vendor/Product Certification	-Computer Programming -Computer Programming Technology -Computer Technology -Information Technology	-Computer Information Systems -Computer Programming -Computer Software Engineering -Computer Science -Management Info Systems	-Computer Programming -Computer Science -Information Resource Management -Information Technology -System Administration
WEB AND DIGITAL COMMUNICATIONS				
-Web Designer	-Animation -Information Technology -Multimedia -Certified Professional Webmaster	-Electronic Imaging -Information Technology Interactive Media -Media Arts -Web Development and Support	-Commercial Art -Computer Information Sciences -Design and Visual Communication -Multimedia Communication -Scientific & Medical Illustrator	-Computer Science

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

The Law, Public Safety, Corrections and Security program of study helps prepare students for careers in planning, managing, and providing legal, public safety, protective services and homeland security including professional and technical support services.

Pathways

- ❖ Corrections Service Pathway
 - Knowledge & Skills Statement
- ❖ Emergency & Fire Management Service Pathway
 - Knowledge & Skills Statement
- ❖ Security & Protective Services Pathway
 - Knowledge & Skills Statement
- ❖ Law Enforcement Services Pathway
 - Knowledge & Skills Statement
- ❖ Legal Services Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Employability Skills, Computer Applications SOCIAL STUDIES: Introduction to Law, AP U.S. Government and Politics ART: Art, Painting STEM: Introduction to Engineering, Principles of Engineering WORLD LANGUAGE: Spanish I-V HEALTH CARE: Medical Terminology MUSIC: Choir, Band</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, National Honor Society, Academic Decathlon, Student Council, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
CORRECTION SERVICES				
-Correctional Officer -Security Officer	-Criminal Justice	-Criminal Justice --Corrections Option --Parole Option --Probations Option	-Human Services -Criminal Justice -Social Work -Pre-Law -Adjudicator	-Law and Legal Services -Criminal Justice
EMERGENCY AND FIRE MANAGEMENT SERVICES				
-Police, Fire and Ambulance Dispatch -Volunteer Fire Fighter	-Emergency Medical Technician (EMT) Basic / Intermediate Paramedic -Emergency Management -Fire Science Technology -Hazardous Waste Technician	-Emergency Medical Technician (EMT) -Fire Protection -Fire Science Technology	-Emergency Medical Services	
LAW ENFORCEMENT SERVICES				
-Animal Control -Parking Enforcement	-Criminal Justice	-Administrative Assistant – Legal Paralegal / Legal Assistant -Criminal Justice --Court Emphasis	-Paralegal Studies -Pre-Law / Legal Studies -Criminal Justice	-Law and Legal Studies -Criminal Justice
SECURITY AND PROTECTIVE SERVICES				
		-Criminal Justice / Law Enforcement -Law Enforcement	-Criminal Justice -Law and Legal Studies -Forensics Science Technician -Conservation Warden	-Criminal Justice -FBI Agent

MANUFACTURING

The Manufacturing program of study focuses on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Pathways

- ❖ Production Pathway
 - Knowledge & Skills Statement
- ❖ Manufacturing Production Process Development Pathway
 - Knowledge & Skills Statement
- ❖ Logistics & Inventory Control Pathway
 - Knowledge & Skills Statement
- ❖ Quality Assurance Pathway
 - Knowledge & Skills Statement
- ❖ Health, Safety, Environmental Assurance Pathway
 - Knowledge & Skills Statement
- ❖ Maintenance, Installation & Repair Pathway
 - Knowledge & Skills Statements



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus BUSINESS: Employability Skills, Computer Applications SOCIAL STUDIES: Introduction to Law, AP U.S. Government and Politics ART: Art STEM: Introduction to Engineering, Principles of Engineering, Welding WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, National Honor Society, Academic Decathlon, Student Council, Class Officer</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

MANUFACTURING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
HEALTH, SAFETY AND ENVIRONMENTAL ASSURANCE				
	-Occupational Safety & Health	-Environmental Engineering Technology -Environmental Studies -Occupational Safety & Health	-Environmental Engineering -Environmental Studies -Occupational Safety & Health	-Environmental Biology -Environmental Studies -Occupational Safety & Health
LOGISTICS AND INVENTORY CONTROL				
-Heavy Equipment Operation -Industrial Truck and Tractor Operation -Material Handling	-Truck Driving	-Logistics and Materials Management -Industrial Truck and Tractor Operation -Transportation, Distribution & Logistics	-Logistics & Materials Management -Industrial Truck and Tractor Operations -Transportation, Distribution & Logistics	-Logistics & Materials Management
MAINTENANCE, INSTALLATION AND REPAIR				
-Business Machine Technology -Custodial Services -Electronics Technology	-Computer Installation & Repair -Electronics Technology -Industrial Mechanics	-Diesel Technology -Manufacturing Technology -Mechanical Engineering Technology -Industrial Technology	-Biomedical Technology -Manufacturing Technology -Mechanical Engineering Technology	
MANUFACTURING PRODUCTION PROCESS DEVELOPMENT				
-Construction Trades	-Construction Trades	-Architectural Engineering Technology -Automotive Engineering Technology -Drafting & Design Technology	-Architectural Engineering -Civil Engineering -Computer Engineering	-Architecture -Civil Engineering -Construction Management & Inspection -Transportation and Highway Engineering
PRODUCTION				
-Iron Working -Precision Production -Upholstering and Leather Working -Woodworking	-Iron Working -Precision Production -Upholstering and Leather Working -Welding	-Building Construction -Electrical and Electronics Engineering Technology -Iron Working	-Computational Mathematics -Electrical and Electronics Engineering Technology -Operations Management	-Computational Mathematics -Operations Management
QUALITY ASSURANCE				
	-Quality Control Technology	-Occupational Safety and Health -Quality Control Technology	-Occupational Safety and Health -Quality Control Technology	-Occupational Safety and Health -Environmental Engineer

MARKETING

The Marketing program of study prepares learners for careers in planning, managing and performing marketing activities to reach organizational objectives.

Pathways

- ❖ Marketing Management Pathway
 - Knowledge & Skills Statement
- ❖ Professional Sales Pathway
 - Knowledge & Skills Statement
- ❖ Merchandising Pathway
 - Knowledge & Skills Statement
- ❖ Marketing Communications Pathway
 - Knowledge & Skills Statement
- ❖ Marketing Research Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Employability Skills, Computer Applications, Marketing, Sports and Entertainment Marketing, Entrepreneurship SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics, Social Problems, Intro to Law ART: Art WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>FBLA, Forensics, Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Career Cruising</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

MARKETING

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
MARKETING COMMUNICATIONS				
	-Practitioners -Public Relations	-Business -Marketing -Small Business Management	-Business Administration -Communication -Management -Marketing -Public Relations	-Master of Business Administration -Master of Marketing
MARKETING MANAGEMENT				
-Industry and Trade Association Programs -Conferences -Seminars		-Business Administration -Entrepreneurship -Management -Marketing -Small Business Management	-Business Administration -Management -Marketing	-Master of Business Administration -Master of Marketing
MARKETING RESEARCH				
	-Product Vendors -Professional and Technical Organizations -Software Firms	-Business -Continued Education for Rapid Technological Advances -Marketing	-Business Administration -Economics -Information Science -Information Systems Management -Marketing	-Master of Business Administration -Master of Marketing
MERCHANDISING				
		-Business -Administration Business -Marketing -Merchandising -Sales -Customer Service -Small Business Management	-Business Administration -Management	-Master of Business Administration
PROFESSIONAL SELLING				
	-Management	-Business -Administration Business -Customer Service -Marketing -Retail Management -Sales -Small Business Management	-Business Administration -Management -Marketing -Real Estate	-Master of Business Administration -Master of Marketing

STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH)

The STEM program of study prepares learners for careers in designing, planning, managing, building and maintaining the building environment.

Pathways

- ❖ Engineering & Technology Pathway
 - Knowledge & Skills Statement
- ❖ Science & Mathematics Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, AP Calculus, Financial Math BUSINESS: Employability Skills, Computer Applications, Marketing, Sports and Entertainment Marketing SCIENCE: Advanced Chemistry, Advanced Biology, Physics, AP Physics SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics STEM: Introduction to Engineering, Principles of Engineering TECHNOLOGY: Manufacturing, Construction Trades I-II, Woods, Metals, Welding WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH)

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE-JOB TRAINING	CERTIFICATE/LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
SCIENCE AND MATHEMATICS				
		-Biology -Chemistry -Laboratory Science Technology -Medical Laboratory Technology	-Chemistry -Economics -Mathematics -Molecular Biology -Physics -Anthropology -Geology	-Biochemistry -Biological Sciences -Chemistry -Physics and Astronomy -Statistics
ENGINEERING AND TECHNOLOGY				
	-Industrial Technology	-Architectural Design Technology -Civil Engineering Technology -Industrial Technology -Surveying and Computer Aided Drafting (CAD)	-Agricultural Engineering -Biological Systems Engineering -Chemical Engineering -Construction Engineering Technology -Industrial Engineering	-Agricultural and Biological Systems -Architectural Engineering -Chemical Engineering -Civil Engineering -Mechanical Engineering -Aeronautical Engineering

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

This program of study exposes students to careers and businesses involved in the planning, management and movement of people, materials and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistic services, and the maintenance of mobile equipment and facilities.

Pathways

- ❖ Transportation Operations Pathway
 - Knowledge & Skills Statement
- ❖ Logistics Planning & Management Services Pathway
 - Knowledge & Skills Statement
- ❖ Warehousing & Distribution Center Operations Pathway
 - Knowledge & Skills Statement
- ❖ Health, Safety & Environmental Management Pathway
 - Knowledge & Skills Statement
- ❖ Sales & Service Pathway
 - Knowledge & Skills Statement
- ❖ Facility & Mobile Equipment Maintenance Pathway
 - Knowledge & Skills Statement
- ❖ Transportation Systems/Infrastructure Planning, Management & Regulation Pathway
 - Knowledge & Skills Statement



Suggested Learning Experiences

<p>HIGH SCHOOL COURSEWORK <i>This coursework does not include required core coursework that is applicable to all programs.</i></p>	<p>ENGLISH: Business Issues and Communication, College English, AP Literature MATH: Statistics, Pre-Calculus, Financial Math BUSINESS: Employability Skills, Computer Applications SCIENCE: Physics SOCIAL STUDIES: Area Studies, AP U.S. Government and Politics, Consumer Economics STEM: Introduction to Engineering, Principles of Engineering WORLD LANGUAGE: Spanish I-V</p>
<p>OTHER COURSEWORK</p>	<p>Early College Credit Program, Start College Now, Youth Apprenticeship</p>
<p>STUDENT ORGANIZATIONS</p>	<p>Skills USA, Mathletics</p>
<p>CAREER EXPLORATION</p>	<p>Xello</p>
<p>CAREER EXPERIENCES / WORK BASED LEARNING</p>	<p>Youth Apprenticeship, Job Shadow, State Employability Skills Certificate</p>

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Career Types by Pathway

HIGH SCHOOL DIPLOMA ON-THE- JOB TRAINING	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
FACILITY & MOBILE EQUIPMENT MAINTENANCE				
-Auto Body Repair -Automotive and Diesel Technology	-Auto Body Repair -Auto Mechanics -Aviation Airframe Maintenance -Industrial Maintenance -Electronics	-Aeronautical and Aerospace Engineering Technology -Automotive Technology -Aviation Airframe Technology -Electronic Technology	-Engineering -Industrial Engineering -Mechanical Engineering -Locomotive Engineering	-Industrial and Management Systems Engineering -Mechanical Engineering
HEALTH, SAFETY, & ENVIRONMENTAL MANAGEMENT				
	-Business	-Business Administration -Industrial Technology -Logistics and Materials Management	-Business Administration -Industrial Distribution -Industrial Technology -Management Technology -Operations Management -Logistics and Material Management -Safety Analyst	-Engineering Management -Industrial and Management Systems Engineering -Operations Management
SALES AND SERVICE				
-Cashier -Customer Service -Travel Agent	-Desktop Publishing -Entrepreneurship -Parts, Sales and Management -Travel Services	-Business Marketing -Marketing Management -Parts, Sales and Management	-Advertising -Business -Marketing	-Advertising -Business -Marketing
TRANSPORTATION OPERATIONS				
-Taxi Driving -Locomotive Engineering -Bus Driving -Truck Driving	-Air Traffic Control -CDL Driver Training Class A, B -Commercial Pilot and Flight Crew Training -Vehicle and Equipment Operations	-Air Traffic Control -Commercial Pilot and Flight Crew Training	-Air Traffic Control	

TRANSPORTATION SYSTEMS, INFRASTRUCTURE, PLANNING, MANAGEMENT & REGULATION				
		-Civil Engineering -Surveying & CAD	-Aviation Systems -Management Civil Engineering -Maritime Studies -Naval Architecture and Marine Engineering	-Civil Engineering -Engineering Management -Naval, Architecture and Marine Engineering
WAREHOUSING & DISTRIBUTION CENTER OPERATIONS				
-Shipping and Receiving -Storage and Distribution	-CDL Driver Training Class A, B -Forklift Training	-Business -Logistics and Materials Management -Warehouse Management	-Business -Logistics and Material Management	-Logistics and Material Management

MARATHON HIGH SCHOOL

MISSION STATEMENT

The Marathon School District is committed to providing all students with a quality education and the skills they need to be successful. We will continuously improve instructional programs and provide learning experiences that meet the individual needs of students in a safe and supportive environment by developing an exceptional staff and partnering with families and the community.

VISION STATEMENT

The Marathon School District will continue to create an exceptional educational system that is recognized for the academic excellence and character of its students, the professionalism and expertise of its staff, and the quality and diversity of its programs.

NONDISCRIMINATION STATEMENT

The Marathon School District is committed and dedicated to the task of providing the best education possible for every child in the district for as long as the student can benefit from attendance and the student's conduct is compatible with the welfare of the entire student body. The right of the student to be admitted to school and to participate fully in curricular, extracurricular, student services, recreational or other programs or activities shall not be abridged or impaired because of a student's sex, race, religion, national origin, color, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability or handicap.