

Palisade

FUTURES PATHWAYS PROGRAM

Where Careers Begin



Palisade High School
2025-2026

PALISADE



The Palisade Futures Pathways Program

At Palisade High School, all students (9th–10th grade) are taught through the Middle Years Program (MYP), part of the International Baccalaureate (IB) Program. The Middle Years Program encourages students to make practical connections between their studies and authentic experiences, preparing them for success in further study, career, and in life.

The aim of the Futures Program is to extend the values of MYP and provide direction during the four year journey at PHS based on the students' interest and career goals. Thus, students are encouraged to consider a Palisade Futures Pathway to begin gaining a foundation for their future. Each pathway adopts an industry theme or "pathway of study" to give students context for better understanding of the academic and technical fundamentals they will need to succeed in any post-secondary option they choose.

The Palisade Futures Program transforms a student's high school experience by bringing together strong academics, demanding technical education, authentic experience, and passion projects culminating in dual-credit, internships, and/or industry credentials.

Program of Study



Each program of study will give guidance about required courses to complete the pathway. Academic course content is coordinated with and reinforces the specific program of study. This coordination helps students gain a greater depth of knowledge by seeing the connection between academic theories and authentic application. Each program of study concludes with college-level coursework, internships, apprenticeships, and/or industry certifications.



Academic Foundation and Skills Classes

Guidance within the Program of Study begins with required Foundation Courses and Skills Courses. Foundation courses are required and specific to the desired career, aiming to obtain fundamental knowledge and skills. Skills Courses support the core knowledge of the Foundation Courses and provide the opportunity for individualized learning within the Program of Study.

Capstone Requirements



The Capstone requirements for the Pathway Achievement further elevates the career preparedness with authentic experience and work-based learning. Furthermore, these experiences encompass the IB philosophy to "empower students to make authentic connections and meaningfully impact their world".

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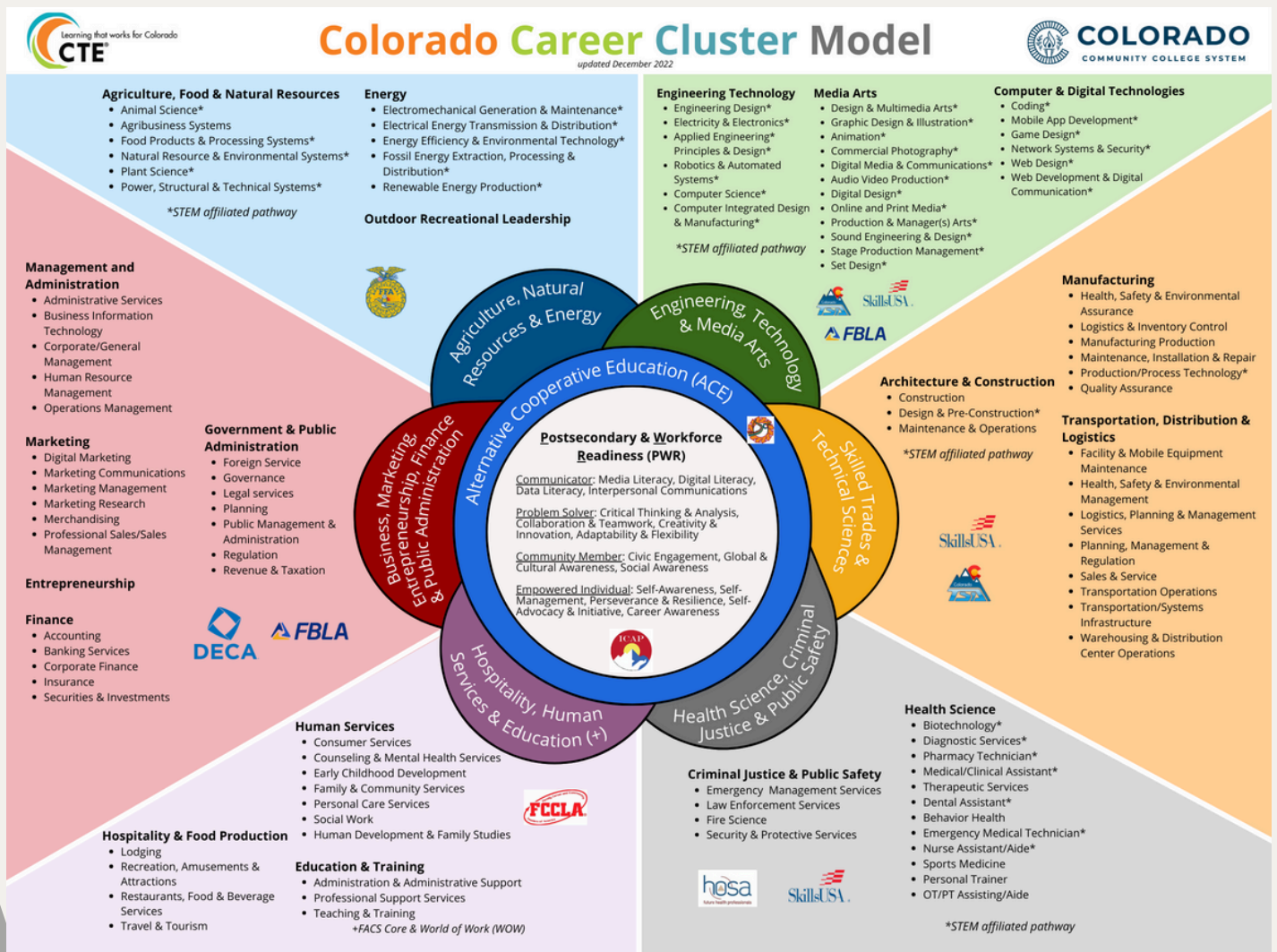
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Empower students to
make **authentic
connections** and
**meaningfully
impact** their
world as
**balanced,
inquisitive,
reflective,**
individuals, striving to
achieve their academic
and personal **potential.**

Colorado Career Cluster Model

In an effort to help students connect their high school coursework with future career plans, pathways are grouped based on a career cluster. Students are highly encouraged to select a program of study related to the career cluster that best matches their strengths and interests.



Hospitality, Human Services, and Education

- LEAD
 - Leading Effectively Through Accountability & Development
- Culinary Arts
- Hospitality, Resort and Event Management

Health Science, Criminal Justice, and Public Safety

- Fire & EMT Academy
- Peace Officer Pre-Academy

Foundation Courses

These required courses are at the core of the Program of Study and emphasize the industry-specific knowledge and skills that are directly applicable to the chosen profession.

Skills Courses

A menu of required courses that enhances skills acquisition and complements the foundational courses.

Capstone Experience

An industry specific experience that challenges students to synthesize their academic learning, demonstrate mastery of their subject matter, and showcase their readiness for professional post-secondary endeavors. There are a variety of options to meet this requirement.

Priority Scheduling!

Skilled Trades and Technical Sciences

- Careers in Construction

Business, Marketing, Entrepreneurship, Finance, & Public Administration

- Careers in Business

Biliteracy Career Pathway

- Advanced Language Acquisition via Program of Study Emphasis

Credentials/Certifications

Evidence of an individual's education, training, and competence to perform specific tasks. Credentials and certifications typically transfer directly to the workforce.

Career & Technical Student Organizations

Career and Technical Student Organizations integrate into Career and Technical Education programs and courses across the country.

CTSOs extend teaching and learning through innovative programs, business and community partnerships and leadership experiences at the school, state and national levels.

The Pathway Experience



What is it like to be focused on a Program of Study?

A student that is working towards Pathway Achievement endorsement will have a class schedule that aligns with their goals after high school. Students will get priority scheduling due to the Program of Study requirements. The classes in the Program of Study also count towards regular graduation requirements. Each Program of Study culminates with the earning of college credits, credentials or certifications, and/or internships and apprenticeships.

What is the Capstone Experience?

The Capstone experience is an opportunity to accelerate your future by participating in authentic experiences outside of PHS. Capstone experiences can include concurrent enrollment, technical school, Career Center, internships, or apprenticeships.

How do I Find Capstone Experiences?

Students can start by leveraging their own network—talking to teachers, classmates, and industry contacts who may have valuable leads. Additionally, reaching out to the Career Coordinator can provide guidance and access to exclusive opportunities tailored to their interests and career goals.

What are Industry Credentials?

Industry credentials are certifications, licenses, or qualifications that demonstrate a person's expertise and competency in a specific field. They are awarded by professional organizations, industry groups, or governing bodies and can enhance career opportunities by validating skills and knowledge that meet industry standards. Several Pathways offer industry credentials.

What if I am not going to college?

The Programs of Study are designed to culminate in a variety of Capstone experiences to include college or work-based learning. Programs of Study are for all types of students and all are encouraged to apply.

What is the importance of an endorsement?

An endorsement shows that you committed to learning about your area of interest during your time in high school. Colleges and employers will recognize that a student that has completed a Program of Study may have a good foundation of knowledge along with the specific Capstone Experiences, up to and including certifications, credentials, college credit, or work experience.



Pathway Achievement Completion



PATHWAY ACHIEVEMENT

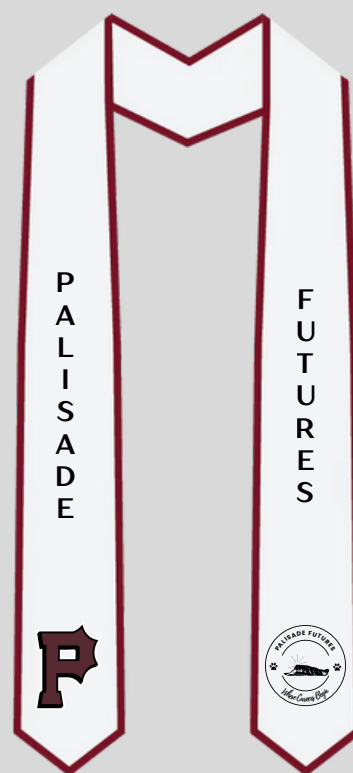
As students work through their District 51 Graduation Requirements, the Pathways and Programs of Study at Palisade High School give guidance on classes to take and authentic experiences to participate in.

Pathway Achievement graduates will earn a certificate, a letter of recognition to accompany their transcripts, a stole, and a specialized pin signifying their completion of the Program of Study at graduation.

Completion of Foundation Courses, Skills Courses, Capstone Experience, Credentials and Certifications and all other coursework required for D51 graduation.

CAPSTONE EXPERIENCES

- Industry Credentials
- Internship
- Concurrent Enrollment
- Career Center Programs
- On The job Training
- Apprenticeship
- Other notable career experiences approved by Career Coordinator*



District 51 High School Graduation Requirements & Colorado College Admission Requirements

- 4.0 Credits – English Language Arts
- 3.0 Credits – Social Studies
- 3.0 Credits – Science (credits must include Alg 1 and higher or Math 1 and higher)
- 3.0 Credits – Mathematics
- 1.0 Credits – Physical Education
- 0.5 Credits – Computer/Technology Science
- 0.5 Credits – Fine Art
- 10 Credits – General Electives

25 Credits Total

Note: Two Credits Need to be intentional ICAPS Electives. **See the Course Guide for more details**

Students planning to attend a four-year public college or university in Colorado will need to complete the following credits in order to fulfill the Higher Education Admission Requirements (HEAR):

Academic Area	Required Credits
English Language Arts	4.0 Credits
Mathematics	4.0 Credits
Natural/Physical Science	3.0 Credits
Social Sciences	3.0 Credits
Foreign/World Language	1.0-3.0 Credits
Academic Electives*	2.0 Credits

* Acceptable Academic Electives include additional courses in English Language Arts, mathematics, natural/physical science and social studies, foreign/world languages, computer science, honors, AP & IB courses and appropriate CTE courses.

Note: Colleges and Universities adjust their application standards frequently. Students are encouraged to contact representatives from their college of interest each semester. Potential College Athletes, check with the school counselor for NCAA eligibility requirements.



HOSPITALITY HUMAN SERVICES EDUCATION

Hospitality, Human Services, and Education creates a dynamic career cluster dedicated to enhancing the well-being and experiences of individuals and communities. Professionals in this cluster are committed to providing exceptional services, fostering personal growth, and contributing to the overall betterment of society.



LEAD

Leading Effectively Through Accountability and Development

Pathway Overview

This Program of Study focuses on addressing the diverse needs of individuals and communities. This includes providing educational or emotional support, counseling, and assistance in various capacities, ultimately contributing to the overall quality of life. Whether students plan to enter the field of education, social work, counseling, or any other profession in the humanities, they will gain skills focused on leadership that are transferable to any profession.

Careers

- Social Worker
- Case Manager
- Counselor
- Employment Counselor
- Adoption Specialist
- Teacher
- Education Researcher
- Administrator

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College Majors

- Social Work
- Psychology
- Family and Human Services
- Community Health Education
- Education
- Educational Leadership
- Early Childhood Education
- Curriculum and Instruction

FOUNDATION COURSES

2 Credits – All Courses Required

- LEAD 1 (.5)
- LEAD 2 (.5)
- Peer Mentor (1)

SKILLS COURSES

2.5 Credits Required – Options

- Child and Adolescent Development (.5)
- AP Psychology (1)
- Psychology (.5)
- Sociology (.5)
- Relationships (.5)
- TREP CMU Concurrent Class
- Career Communication (Forensics) (.5)
- World Language – Year 3 (1)
- Introduction to Business (.5)
- Newspaper (.5)
- Business Math (.5)
- Student Council (Upon Acceptance) (1)
- Yearbook (Upon Acceptance) (1)

CAPSTONE EXPERIENCES

- Internship
- Teacher Cadet @ Career Center
- Early Childhood Ed @ CMU Tech
- Medical Office Assistant @ CMU Tech
- General Psych (PSYC 150)
- Human Growth and Development (Psych 233)
- Early Childcare Professions @ Career Center
- Marriage and Families (SOCO 144)
- General sociology (SOCO 260)
- Office Position in PHS Organization
 - Newspaper Editor
 - D.O.G.S Executive Council
 - NHS Leader

HOSPITALITY, RESORT & EVENT MANAGEMENT

Pathway Overview

In the Hospitality, Resort, and Event Management Program of Study, individuals specialize in creating memorable and enjoyable experiences for customers. From managing accommodations and food services to coordinating events and promoting tourism, professionals in this cluster play a crucial role in the leisure and travel industry, ensuring positive interactions and satisfaction.

CAREERS

- Hotel Manager
- Chef or Culinary Arts Professional
- Event Planner
- Travel Agent
- Front Desk Specialist
- Tourism and Travel Management
- Hotel and Restaurant Management

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COLLEGE MAJORS

- Hospitality Management
- Resort and Leisure Management
- Event Management
- Tourism Management
- Culinary Arts
- Event Planning and Management
- Sports and Entertainment Management
- Hotel and Restaurant Management

FOUNDATION COURSES

3 Credits – All Courses Required

- Culinary 1 (.5)
- Culinary 2 (.5)
- Relationships (.5)
- Resort and Event Management* (1)
Resort and Event Management includes an internship and earns college level credit
- *Resort and Event Management Internship (.5)
- * Hotel Industry Fundamentals –3 MSU credits
- *Introduction to Hospitality – 3 MSU credits

SKILLS COURSES

1 Credit Required – Options

- Baking and Pastry (1)
- Introduction to Business (.5)
- Social Media for Business (.5)
- World Language – Year 3 (1)
- World Language – Year 4 (1)
- Career Communication (Forensics) (.5)
- AP Psychology (1)
- Psychology (.5)
- Sociology (.5)
- LEAD 1 (.5) (Upon Teacher's Signature)
- Business Math (.5)

CAPSTONE EXPERIENCES

- Internship
- Culinary Arts @ CMU Tech
- Sustainable Agriculture @ CMU Tech
- Viticulture & Enology @ CMU Tech
- Culinary Arts @ Career Center

CREDENTIALS

- ServSafe Food Handler or Manager
- AHLEI Certified Guest Service Professional
- AHLEI Hospitality & Tourism Specialist Credential
- Anti-Human Trafficking Certification

CAREER & TECHNICAL STUDENT ORGANIZATIONS

- FCCLA –Family, Career and Community Leaders of America

CULINARY ARTS

Pathway Overview

The culinary career field encompasses a diverse range of professions dedicated to the art and science of food preparation, presentation, and service. From chefs and cooks to food stylists, food entrepreneurship, and nutritionists, individuals in this field play vital roles in creating memorable dining experiences, promoting culinary innovation, and shaping food culture worldwide.

CAREERS

- Chef
- Baker
- Caterer
- Food Stylist/photographer
- Restaurant Manager/owner
- Personal Chef
- Culinary Consultant
- Food journalist
- Nutritionist/Dietitian
- Food Scientist/Researcher

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COLLEGE MAJORS

- Culinary arts/culinary science
- Baking and pastry arts
- Hospitality management
- Nutrition/dietetics
- Food science/technology
- Culinary entrepreneurship
- Business
- Entrepreneurship

FOUNDATION COURSES

2.5 Credits - All Courses Required

- Culinary 1 (.5)
- Culinary 2 (.5)
- Baking and Pastry (1)
- Relationships (.5)

SKILLS COURSES

1.5 Credits Required - Options

- Career Communication (Forensic) (.5)
- Introduction to Business (.5)
- Business Math (.5)
- Accounting A and B (1)
- AP Psychology (1)
- Psychology (.5)
- Sociology (.5)
- World Language - Year 3 (1)
- World Language - Year 4 (1)
- LEAD 1 (.5) (Upon Teacher's Signature)
- Social Media for Business (.5)

CAPSTONE EXPERIENCES

- Internship
- Culinary Arts @ Career Center
- Culinary Arts @ CMU Tech
- Agriculture Science @ CMU Tech

CREDENTIALS

- ServSafe Food Handler or Manager

CAREER & TECHNICAL STUDENT ORGANIZATIONS

- FCCLA -Family, Career and Community Leaders of America

SKILLED TRADES TECHNICAL SCIENCES

The Skilled Trades and Technical Sciences career fields encompass a diverse range of professions that focus on hands-on work, technical expertise, and practical problem-solving. These fields play a crucial role in various industries, from construction and manufacturing to automotive repair and technology. Professionals in these fields possess specialized skills and knowledge acquired through vocational training, apprenticeships, and technical education programs.



CONSTRUCTION

Pathway Overview

In the Skilled Trades sector, individuals specialize in specific trades such as carpentry, plumbing, electrical work, welding, HVAC (heating, ventilation, and air conditioning), and masonry. These skilled tradespeople are responsible for constructing, repairing, and maintaining buildings, infrastructure, and mechanical systems. They use their expertise to ensure the safety, functionality, and efficiency of structures and systems in diverse settings, from residential homes to commercial buildings and industrial facilities.

CAREERS

- Construction Manager
- Civil Engineer
- Architect
- Construction Estimator
- Project Engineer
- Construction Laborer
- Electrician
- Plumber
- Carpenter

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COLLEGE MAJORS

- Construction Management
- Civil Engineering
- Architectural Engineering
- Construction Technology
- Construction Science
- Environmental Design and Planning
- Construction Trades
- Construction Equipment Operation

FOUNDATION COURSES

2 Credits Required - All Courses Required

- Carpentry Technology A (.5)
- Carpentry Technology B (.5)
- Construction Concentration Level 1 (.5)
- Construction Concentration Level 2 (.5)

SKILLS COURSES

1.5 Credit Required - Options

- Geometry (1)
- Woodworking Technology (.5)
- Introduction to Business (.5)
- Career Communication (Forensic) (.5)
- World Language - Year 3 (1)
- World Language - Year 4 (1)
- Business Math (.5)
- Construction Concentration Level 3 (.5)
- Construction Concentration Level 4 (.5)
- LEAD 1 (.5) (Upon Teacher's Signature)
- Construction Lab (.5)

CAPSTONE EXPERIENCES

- Internship
- Pre-Apprenticeship Program
- Construction Technology @ Career Center
- Electrical Technology @ CMU Tech
- STEM Architectural CAD @ CMU Tech
- Welding Technology @ CMU Year 1
- Welding Technology @ CMU Tech Year 2
- construction Technology @ CMU Tech
- Construction Electrical @ CMU Tech
- Electrical Lineworker @ CMU Tech
- HVAC @ CMU Tech
- Land Surveying and Geomatics @ CMU Tech
- Manufacturing Tech @ CMU Tech

CREDENTIALS

- OSHA 10
- PACT Core Training Certification
- Pre-Apprentice Certification*

*Earned for Each Construction Concentration Course

BUSINESS MARKETING ENTREPRENEURSHIP FINANCE PUBLIC ADMINISTRATION

The Business, Marketing, Entrepreneurship, Finance, and Public Administration career cluster brings together a diverse range of professions that play crucial roles in the management, growth, and governance of organizations and institutions. This cluster encompasses fields focused on commerce, innovation, financial management, marketing, and public policy, each contributing to economic development, market competitiveness, and societal advancement.



CAREERS IN BUSINESS

Pathway Overview

The Careers in Business Program of Study encompasses a wide range of professions focused on the management, promotion, and growth of businesses and brands. This program includes fields such as management, marketing, advertising, sales, and entrepreneurship, each playing a vital role in driving economic activity, fostering innovation, and shaping consumer behavior.

CAREERS

- Marketing Manager
- Digital Marketing Specialist
- Market Research Analyst
- Business Analyst
- Human Resources Manager
- Project Manager
- Financial Analyst
- Accountant
- Entrepreneur

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COLLEGE MAJORS

- Business Administration
- Management
- Finance
- Accounting
- Marketing
- Market Research
- Public Relations
- Advertising

FOUNDATION COURSES

2 Credits Required

Level 1 - **2 courses required**

Level 2 - **all course required**

Finance (2)

Level 1 - 2 Courses Required

- Personal Finance (.5)
- Introduction PC Applications (.5)
- Introduction to Business (.5)

Level 2 - Required

- Accounting Principles IA (.5)
- Accounting Principles IB (.5)

Marketing (2)

Level 1 - 2 Courses Required

- Personal Finance (.5)
- Introduction PC Applications (.5)
- Introduction to Business (.5)

Level 2 - Required

- Social Media Marketing (.5)
- Graphic Design (.5)

SKILLS COURSES

2.5 Credits Required - Options

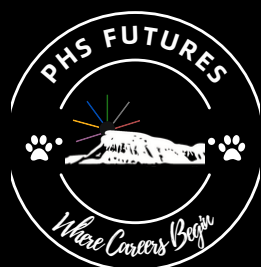
- Career Communication (Forensic) (.5)
- World Language - Year 3 (1)
- World Language - Year 4 (1)
- Web Design (.5)
- Photography (.5)
- Newspaper (1)
- Yearbook (1)
- AP Psychology (1)
- Psychology (.5)
- Sociology (.5)
- Coding (.5)
- Computer Science Foundations (.5)
- LEAD 1 (.5) (Upon Teacher's Signature)

CAPSTONE EXPERIENCES

- Internship
- Apprenticeship
- CMU Tech
- Concurrent Courses @ CMU

CAREER & TECHNICAL STUDENT ORGANIZATIONS

- FBLA - Future Business Leaders of America



Biliteracy Career Pathway

The Biliteracy Career Pathway focuses on developing proficiency in two or more languages and is designed to equip individuals with the advanced language skills necessary to excel in multicultural environments . The pathway prepares students for careers in all of the programs that Palisade Futures has to offer. The Biliteracy Career Pathway enables individuals to work across linguistic barriers, fostering stronger connections and promoting inclusivity.



Biliteracy Career Pathway

Program of Study Overview

This Program of Study integrates biliteracy development with career exploration, offering students the opportunity to build proficiency in two languages while gaining insights into specific industries. The coursework combines language instruction with industry-focused content, enabling students to acquire the communication skills and cultural competencies required for professional success.

Careers

- Immigration Lawyer
- Medical Interpreter or Translator
- Bilingual Teacher
- International Business Consultant
- Intelligence Analyst
- Technical Translator

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College Majors

- Linguistics
- Translation and Interpretation
- Applied Linguistics
- Bilingual or Multilingual Education
- International Business
- Global Studies
- Hospitality

FOUNDATION COURSES

3-Year Option

- Honors Spanish 2
- AP Spanish Language
- AP Spanish Literature

4-Year Option

- Honors Spanish 2
- AP Spanish Language or AP Spanish Literature
- DP Spanish HL 1
- DP Spanish HL 2

SKILLS COURSES

Foundation Courses in one of the following pathways:

- LEAD
- Culinary Arts
- Hospitality, Resort, and Event Management
- Fire and EMT Academy
- Peace Officer Pre-Academy
- Careers in Construction
- Careers in Business

CAPSTONE EXPERIENCE

- Internship
- CMU

CREDENTIALS

- Seal of Biliteracy
- May earn credentials through specific Career Program of Study**



A collage of ten images illustrating various emergency services: a police officer, a firefighter, a paramedic, a night emergency scene, a call center operator, a police officer with an ambulance, a crowd with a stretcher, a firefighter, a person in a tactical suit, and a police officer with a motorcycle.

FIRE AND EMT ACADEMY

Pathway Overview

In the Public Safety realm, individuals focus on safeguarding the welfare of the public and responding to emergencies and crises. This includes firefighters, emergency medical technicians (EMTs), paramedics, disaster relief workers, and emergency management specialists. These professionals play vital roles in mitigating risks, providing lifesaving interventions, and coordinating responses to natural disasters, accidents, and other emergencies.

CAREERS

- Firefighter
- Arson investigator
- Fire marshal
- Fire inspector
- Fire prevention specialist
- Emergency medical technician (EMT)
- Paramedic
- Hazardous Materials (Hazmat) specialist
- Wildland firefighter
- Aircraft rescue firefighter
- Dispatcher
- Fire equipment technician

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COLLEGE MAJORS

- Fire science
- Emergency services administration
- Fire protection engineering
- Public safety administration
- Emergency medical services

FOUNDATION COURSES

2 Credits Required - All Courses Required

- Palisade Fire/EMT Academy Year 1 (2)

SKILLS COURSES

1.5 Credits Required - Options

- Weights (.5)
- Anatomy & Physiology (1)
- Career Communication (Forensics) (.5)
- AP Psychology (1)
- Psychology (.5)
- Sociology (.5)
- Business Math (.5)
- World Language -Year 3 (1)
- World Language -Year 4 (1)
- LEAD 1 (.5) (Upon Teacher's Signature)

CAPSTONE EXPERIENCES

- Palisade Fire/EMT Year 2 (2)
- Fire Science @ CMU Tech
- Internships
- Allied Health Science Foundation @ CMU Tech Year 1
- Emergency Medical Technician @ CMU Tech Year 1
- Wildland Fire Management @ CMU Tech Year 1

CREDENTIALS

- CPR
- Firefighter 1
- Hazmat

Peace Officer Pre-Academy

Pathway Overview

Law enforcement refers to the system of professionals and agencies responsible for maintaining public order, enforcing laws, preventing crime, and protecting individuals and property within a given jurisdiction. Law enforcement professionals, commonly known as peace officers or police officers, work to ensure the safety and security of communities by upholding the rule of law and preserving public trust.

CAREERS

- Detective
- Police Officer
- State Trooper
- Federal Agent
- Fish and Game Warden
- Emergency Dispatcher
- Probation Officer
- Park Ranger
- Forensics

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COLLEGE MAJORS

- Criminal Justice
- Criminology
- Law Enforcement Administration
- Police Science
- Homeland Security
- Forensic Science
- Legal Studies
- Public Administration
- Psychology

FOUNDATION COURSES

3 Credits Required - All Courses Required

- AP Psychology (1) or [Psychology (.5)/ Sociology (.5)]
- Palisade Peace Officer Pre-Academy Year 1 (2)

SKILLS COURSES

1.5 Credits Required - Options

- Weights (.5)
- Relationships (.5)
- Child and Adolescent Development (.5)
- Anatomy & Physiology (1)
- Career Communication (Forensics) (.5)
- World Language -Year 3 (1)
- World Language -Year 4 (1)
- Business Math (.5)
- LEAD 1 (.5) (Upon Teacher's Signature)

CAPSTONE EXPERIENCES

- Peace Officer Academy Year 2/Internship (2)
- Concurrent @ CMU
- Apprenticeship/Job

KNOW YOUR RESOURCES

If you have any questions or concerns regarding your career pathway, Mrs. Green, the Futures Pathway Coordinator, is here to help guide you.



Mrs. Green

Email Mrs. Green or stop by her office in "A" Hall.



crystal.green@d51schools.org

HOW TO SIGN UP



To join a Program of Study, just follow these steps:

1. Scan the QR Code or go to [Tinyurl.com/phsfutures](https://tinyurl.com/phsfutures)
2. Fill out the form
3. Submit when finished

By filling out the form, you are signifying that you want to join a Program of Study and you are dedicated to completing all requirements.



Engineering Technology Media Arts

The Engineering, Technology, and Media Arts career cluster integrates disciplines that drive innovation, creativity, and problem-solving in various industries. This cluster encompasses fields such as engineering, computer science, information technology, digital media, and design, offering diverse pathways for individuals interested in creating, designing, and implementing technological solutions.



ENGINEERING, TECHNOLOGY, & MEDIA ARTS



Below are course of study suggestions for other industry careers.

Engineering Technology



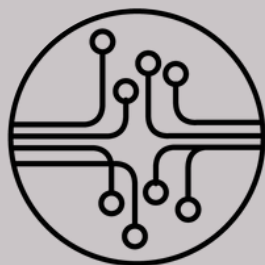
- Engineering Design
- Electricity & Electronics
- Robotics & Automated Systems
- Computer Science
- Computer Integrated Design & Manufacturing

Media Arts



- Design & Multimedia Arts
- Graphic Design & Illustration
- Animation
- Commercial Photography
- Digital Media & Communications
- Audio Video Production
- Digital Design
- Online & Print Media
- Production & Manager(s) Arts
- Sound Engineering & Design
- Stage Production Management
- Set Design

Computer & Digital Technologies



- Coding
- Mobile App Development
- Game Design
- Network Systems & Security
- Web Design
- Web Development & Digital Communication

Suggested Electives

- 3-D Design
- Art I
- Art II
- Drawing & Painting I
- Drawing & Painting II
- Printmaking
- Play Production
- Theater Arts
- Creative Writing
- Journalism
- Yearbook
- Coding I & II
- Computer Science Foundations
- Web Design
- Computer Tech - Career Center
- Computer Networking Tech - CMU Tech
- Digital Design - CMU Tech
- Machining Tech - CMU Tech
- Marketing Education - CMU Tech
- STEM Discovery - CMU Tech





Agriculture Natural Resources Energy

The Agriculture, Natural Resources, and Energy career cluster encompasses a diverse range of professions dedicated to stewarding our planet's resources, sustaining ecosystems, and meeting the world's growing demand for food, energy, and environmental conservation. This cluster integrates fields related to agriculture, forestry, renewable energy, environmental science, and resource management, offering opportunities for individuals passionate about sustainability, conservation, and innovation.



AGRICULTURE, NATURAL RESOURCES, & ENERGY



Below are course of study suggestions for other industry careers.

Agriculture, Food, & Natural Resources



- **Animal Science**
- **Agribusiness Systems**
- **Food Products & Processing Systems**
- **Natural Resource & Environmental Systems**
- **Plant Science**
- **Power, Structural & Technical Sytems**

Energy



- **Electromechanical Generation & Maintenance**
- **Electrical Energy Transmission & Distribution**
- **Energy Efficiency & Environmental Technology**
- **Fossil Energy Extraction, Processing & Distribution**
- **Renewable Energy Production**

Outdoor Recreational Leadership



- **Outdoor Recreational Leadership**

Suggested Electives

- **Anatomy & Physiology**
- **Astronomy**
- **Botany**
- **Chemistry**
- **Physics**
- **River Dynamics**
- **Zoology**
- **AP Environmental Science**
- **Business Math**
- **Accounting I**
- **Culinary Essentials I & II**
- **Culinary Arts - Career Center**
- **Horticulture - Career Center**
- **Small Animal Care - Career Center**
- **Culinary Arts - CMU Tech**
- **Medical Prep/Vet - CMU Tech**

AGRICULTURE,
NATURAL RESOURCES,
AND ENERGY



PROGRAM OF STUDY PLANNING WORKSHEET



Fill in the required courses, electives, and pathway specific courses.

**For specific recommendations for your pathway, see the corresponding page.

*Graduation Requirements	9th Grade	10th Grade	11th Grade	12th Grade
Social Studies (3)				
Language Arts (4)				
Math (3)/(4)*				
Science (3)				
World Language (2)				
Fine Art (.5) Computer Science (.5) Financial Literacy (.5) Personal Fitness & Wellness (.5) PE (.5)				
Electives (10)				
Foundation Courses				
Skills Courses				
Capstone Experience				

PROGRAM OF STUDY PLANNING WORKSHEET

GRADUATION REQUIREMENTS

English Language Arts (4)

Social Studies (3)

Science (3)

Mathematics (3-4)

Physical Education (1)

World Language (2)

Financial Literacy (.5)

Fine Art (.5)

Computer/ Tech Science (.5)

Electives



<https://tinyurl.com/PHSFUTURES>



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