



PHS PATHWAYS



— PATHWAY GUIDE

Part 1: The Big Picture

Students learn best when they have an interest in the subject and can see connections across disciplines. This contextual understanding, interdisciplinary learning and identifying of key concepts is the basis of MYP, the pedagogy by which all PHS students are taught. When a student enters PHS as a 9th grader, we want to provide direction to his/her 4-year journey based on interest. Thus, we ask students to choose a pathway of interest to guide their learning. Choosing a pathway is not the same as choosing a career path. Rather, each pathway adopts an industry theme or “program of study” to give students a real-world content for better understanding of the academic and technical foundation they will need to succeed in whatever post-secondary option they choose. Within this pathway are students with similar interests that can share in their learning as a member of a pathway cohort. The pathway model transforms a student’s high school experience by bringing together strong academics, demanding technical education and real-world experience, culminating in dual-credit and/or industry certifications.



Part II: Program of Study

The program of study is a key component of each pathway. Academic course content is coordinated with and reinforces the program of study. This coordination helps students gain a greater depth of knowledge by seeing the connection between academic theories and realworld application. Each program of study concludes with college-level coursework and/or industry certifications. Each program of study is color-coded to identify which courses offer dual-enrollment credit, AP credit, IB credit or industry certifications.



Part III: Academic Cores and Electives

The Academic core classes include language arts, math, science, history and world language courses to prepare students to transition to their post-secondary lives, whether it be higher education or career. Elective courses complement the Academic core and program of study and are required for graduation.



Part IV: Graduation Requirements

The four-year plans in this guide indicate the number of credits required per subject area, totaling 240 credits to earn a diploma. By design, each pathway and program of study include all necessary courses to meet students’ graduation requirements and prepare them for higher education.

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Course Request forms for Each Pathway

Agriculture and the Environment Pathway Overview:

- Program of Study: Animal Sciences
- Program of Study: Natural Resources and the Environment
- Program of Study: Plant Sciences

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Arts and Humanities Pathway Overview:

- Program of Study: Visual Arts (Graphic Design, Fine Arts, Photo, Interior Design, Fashion Design)
- Program of Study: Performing Arts (Digital Communication, Music, Theatre)
- Program of Study: Humanities

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Engineering and Design Pathway Overview:

- Program of Study: 21st Century Manufacturing
- Program of Study: Architecture and Construction
- Program of Study: Computer-Aided Design

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Entrepreneurship Pathway Overview:

- Program of Study: Business and Marketing
- Program of Study: Computer Sciences
- Program of Study: Culinary and Hospitality

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Health Science and Human Services Pathway Overview:

- Program of Study: Education
- Program of Study: Health Sciences
- Program of Study: Non-Profit Sector

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International Baccalaureate Pre-Diploma Pathway Overview:

- Program of Study: International Baccalaureate Pre-Diploma

Conclusion and Additional Resources

AGRICULTURE & THE ENVIRONMENT

The mission of Poudre's Agriculture and the Environment Pathway is to expose students to the ever-growing agriculture industry. Utilizing hands-on, project based curriculum, students have the opportunity to learn about agriculture in a variety of contexts including animal sciences, plant sciences, natural resources, and agricultural mechanics. Students will gain a strong foundation in STEM skills such as inquiry, collaboration, and innovation to better prepare them to be productive citizens of the 21st Century.



Related Majors

Agricultural Business
Animal Sciences
Bioagricultural Sciences
Horticulture
Landscape Architecture
Environmental and Natural Resources
Soil and Crop Sciences

Related Careers

Agronomist
Forestry
Farmer/Rancher
Ecologist
Environmental Engineer
Landscape Architect
Veterinarian
Greenhouse/Nursery Management

Student Organizations

Environmental Club
FFA
Ocean Bowl
Science Bowl
Science Olympiad

Apprenticeships

4 Rivers

PROGRAM OF STUDY:

Animal Sciences

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Animal Sciences	Intro to Agriculture	Principles of Animal & Vet Science A / B	Intermediate Vet Science A / B Animal Production & Mgmt A / B	Work-based Learning Agriculture (SAE)
	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Plant Science

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Plant Science	Intro to Agriculture	Principles of Horticulture A / B	Floriculture Urban Farming	Greenhouse Production* Work-based Learning (SAE)
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Natural Resources & The Environment

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Natural Resources & The Environment	Intro to Agriculture	Principles of Natural Resource Management	Landscape Construction & Maintenance	Supervised Ag Experience Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

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Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

ARTS & HUMANITIES

The mission of Poudre's Arts and Humanities Pathway is to provide students a combination of rigorous academic courses with real-world experiential projects that tap into students' creativity, inquiry, and critical thinking skills. Students may choose a program of study in the visual arts, performing arts or humanities—each of which provides opportunities to put Their learning into action and exposes students to the arts related vocations and higher education programs available to students beyond high school.



Related Majors

Art Education / Language Arts
Art History
Fine Art
Graphic Design
Photography or Film
Pottery
Music Education
Music Therapy
Composition
Fashion Design
Literature
Interior Design
Theatre Design & Technology

Related Careers

Artist
Actor
Playwright/writer
Theatre Technician
Fashion Designer
Journalist/Photojournalist
Graphic Designer
Music Therapist
Musician
Filmmaker

Student Organizations

Drama Club
FCCLA
Book Club
Drama Club
Writers Club
Film Club
Poudre Readers' Society
National Art Honors Society

PROGRAM OF STUDY:

Visual Arts

Graphic Design Focus

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Visual Arts	MYP Design	Drawing, Painting, Photography, Adv. Drawing, Adv. Photo, Creative Photo, AP Art History	IB DP Visual Arts SL OR AP Art , FRCC Digital Design (MGD 111) Earn an Adobe Associates Certificate in Photoshop Kaleidoscope (Art & Literary Magazine)	IB DP Visual Arts HL OR AP Art , FRCC Adv. Digital Design (MGD 112) Earn an Adobe Associates Certificate in Illustrator Kaleidoscope Capstone: Art Portfolio
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Digital Communication

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Visual Arts	MYP Design TV Production	TV Production, Technical Theater, Music Production	Digital Productions FRCC Digital Design (MGD 111) Earn an Adobe Associates Certificate in Photoshop Kaleidoscope (Art & Literary Magazine)	Digital Productions FRCC Advanced Digital Design (MGD 112) Earn an Adobe Associates Certificate in Illustrator Kaleidoscope Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Visual Arts

Photography Focus

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Visual Arts	MYP Design Photo 1	Advanced Photo, FRCC Digital Design (MGD 111), Drawing, Adv. Drawing, Painting AP Art History	IB DP Visual Arts SL OR AP Art (with a photo focus) Creative Photo, FRCC Digital Design (MGD 111)	IB DP Visual Arts HL OR AP Art (with a photo focus) Capstone: Photo Portfolio Yearbook
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option
Industry Certification*

Advanced Placement
IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Humanities

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Humanities	MYP Design	Writing for Literary Productions, Creative Writing, Film Studies	Writing for Lit. Productions Creative Writing, Film Studies, History of Rock & Pop, History of Jazz, Music Appreciation World Humanities (Asia or Africa) Classical Humanities	Writing for Lit. Productions Creative Writing, Film Studies, History of Rock & Pop, History of Jazz, Music Appreciation World Humanities (Asia or Africa) Classical Humanities
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

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Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Theater

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Performing Arts <small>(*Some courses are not grade specific, but require instructor approval)</small>	Intro to Performance & Communication MYP Theater	Advanced Acting & Production Technical Theatre	IB DP Theatre Arts SL FRCC Theatre 105, Theater Production, Music Theater Production Technical Theatre	IB DP Theatre Arts HL Stagecraft Theater Production, Music Theater Production Technical Theatre
	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Music

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Performing Arts (*Some courses are not grade specific, but require instructor approval)	Bass or Treble Choir Band or Orchestra Piano 1, Music Production, Piano 2 Intro to Performance & Communication Advanced Ensembles	Bass or Treble Choir, Band, Orchestra Piano 1, Music Production, Piano 2 Advanced Ensembles	Bass or Treble Choir, Band, Orchestra Piano 1, Music Production, Piano 2 Advanced Ensembles	Bass or Treble Choir, Band, Orchestra Piano 1, Music Production, Piano 2 Advanced Ensembles
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Interior Design

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Interior Design	MYP Design, Teen Choices, Interpersonal Relationships, Life Management	Interior Design 1 / 2	FCS Leadership A / B	Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Fashion Design

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Fashion Design	MYP Design, Teen Choices, Interpersonal Relationships, Life Management	Fashion Design 1 / 2	FCS Leadership A / B	Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

ENGINEERING & DESIGN

The mission of Poudre's Engineering and Design Pathway is to advance students' ability to innovate, think critically, and collaborate to solve problems. This pathway combines rigorous academic core content with demanding technical education and real world experiences. Courses provide students the opportunity to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation.

Related Majors

Electrical Engineering
Mechanical Engineering
Structural Engineering
Aerospace Engineering
Environmental Engineering
Architecture
Manufacturing
Interior Design

Student Organizations

FCCLA
FIRST Robotics

Related Careers

Architect
Design Engineer
Electrical Engineer
Electrician
Field Engineer
Materials Engineer
Mechanical Engineer
Operations Engineer
Interior Designer

Apprenticeships

4 Rivers
Fort Collins Heating and Air
Fort Collins Lineman
Neuworks
Otterbox
PMP
Woodward Governor

PROGRAM OF STUDY:

21st Century Manufacturing

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	21st Century Manufacturing	Principles of Engineering & Technology	FRCC Mechanical Design 1	Adv. Engineering: Machining & Welding	Robotics 2
		Principles of Manufacturing	Metals & Machining Fabrication	Robotics 1	Engineering & Design Capstone
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PTECH (Pathways in Technology Early College High School) offered in Manufacturing = Full Associates Degree

PROGRAM OF STUDY:

Architecture & Construction

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Architecture & Construction	Engineering Explorations, Principles of Construction	Geometry in Construction, Woodworking Technology, Construction Technology	Architecture	Woodworking Technology II, FRCC Solidworks
				Construction Systems	Engineering & Design Capstone
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Computer Aided Design

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Computer Aided Design	Principles of Engineering	FRCC Mechanical Design I	FRCC Solidworks	Architecture
		Woodworking Technology 1A	Woodworking Technology 1B	FRCC Advanced Solidworks	Engineering & Design Capstone
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

ENTREPRENEURSHIP

The mission of Poudre's Entrepreneurship Pathway is to prepare students with 21st century skills-- such as innovation, management, collaboration, and risktaking--within a framework of hands-on courses and on-the-job experiences. The Entrepreneurship Pathway includes several lenses such as hospitality, business, marketing, and computer science. The pathway also provides opportunities to earn certifications and college credit from more advanced coursework.



Related Majors

Accounting
Business Administration
Economics
Financial Services
International Business
Hospitality
Management
Marketing
Computer Science
Graphic Design
Culinary Arts

Student Organizations

FCCLA / FBLA / DECA
Coding Club

Related Careers

Accountant
App Developer
Software Engineer
Software Developer
Web Designer
Entrepreneur
Human Resource Specialist
Event Planner
Nutritionist
Chef

Apprenticeships

Good Samaritan Society
Stonebridge
Bank of Colorado

PROGRAM OF STUDY:

Business & Marketing

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Business & Marketing	Intro to Business FRCC Intro to PC Applications	Business & Marketing Fundamentals of Accounting A, Legal Environment of Business, Principles of Mgmt	FRCC Accounting B, FRCC Social Media for Business, Event Marketing/ Communications, Business Communications, International Marketing	Ethical Leadership AP Economics
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Computer Sciences

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Computer Science Game Developer Web Developer Software Engineer	Computer Science Foundations Game Design A ----- CS Foundations Web Design A ----- Computer Science Foundations	Game Design B ----- Web Design B ----- Game Design A / B Web Design A / B	AP Computer Science Principles ----- AP Computer Science Principles ----- AP Computer Science Principles	Computer Science Capstone* Unity ----- Computer Science Capstone* HTML/CSS ----- Computer Science Capstone* Python or Java IB Computer Science
	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Culinary Arts

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Culinary Arts	Culinary Nutrition, Teen Choices, Life Management	Catering I & II	Catering I, Catering II, FRCC Food Safety & Sanitation, FRCC Intro to Foods	Serve Safe Managerial 5-Year Certification Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

HEALTH SCIENCES & HUMAN SERVICES

The mission of Poudre's Health Science and Human Services Pathway is to develop students' ethic of service and leadership skills. Students have the opportunity to focus on their area of interest, whether it be education, health, medicine or other service-related field in order to gain hands-on experience, learn social responsibility, and ultimately impact positive change in their world. This pathway utilizes hands-on, project-based curriculum in which all students have the opportunity to learn and become responsible, productive citizens of the 21st Century.

Related Majors

Biological Sciences
Chemistry & Chemical Physics
Health Science & Nursing
Nutrition & Public Health
Pharmacology
Psychology
Education
Non-profit management
Law Enforcement

Student Organizations

FCCLA
HOSA
Science Bowl
Science Olympiad

Related Careers

Medical Technician
Nurse
Doctor
Dietician/Nutritionist
Geneticist
Occupational Therapist
Psychologist
Law Enforcement Officer
Teacher
Non-Profit Manager

Apprenticeships

Columbine Health Systems
Good Samaritan Society
Tolmar Pharmaceuticals



PROGRAM OF STUDY:

Education

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Education	Introduction to Health Sciences & Human Services	Teen Choices OR Child Development, Interpersonal Relationships, Life Management	FRCC Early Childhood Education I	FRCC Early Childhood Education II Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Health Sciences

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Health Sciences	Introduction to Health Sciences & Human Services	Health & Wellness Anatomy & Physiology	Sports Medicine Life Management	Athletic Training Work-based Learning
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

PROGRAM OF STUDY:

Nonprofit Management

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography	MYP History / Geography	Social Studies / AP Humanities	Social Studies Humanities Civics
	Language Arts (40)	MYP English 9	MYP English 10	Language Arts / AP	Language Arts / AP
	Math (30)	Math	Math	Math / AP	Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Nonprofit Management	Introduction to Health Sciences & Human Services	Service Learning or International Business or Management or Current World Affairs Student Leadership	Service Learning or International Business or Management or Current World Affairs Student Leadership	Service Learning Capstone Student Leadership
WORLD LANGUAGES	World Language OR World Culture (10)	World Language OR World Culture	World Language / AP	World Language / AP	World Language / AP
FINE & APPLIED ARTS	Arts (10)	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts	Visual OR Performing Arts
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

INTERNATIONAL BACCALAUREATE

At PHS, the IB Middle Years Program (MYP) philosophy is implemented in all classrooms. In the IB Pre-Diploma pathway students can expect classes that move at a quick pace, an increase in reading and writing, and to complete service hours and a personal project. This pathway encourages students to consider different perspectives, promotes understanding of other cultures and ideas, and prepares students with the skills needed to be successful in whatever path they choose whether it is the IB Diploma Program, AP, Concurrent Enrollment or general education courses.



Related Majors & Careers

We've had IB graduates major in everything from Environmental Sciences to Fine Art, Engineering, Business Administration, Health Sciences, Theatre, and Psychology. The IB Diploma affords students a wellrounded education that supports students pursuing higher education and careers in a variety of areas.

Student Organizations

IB Student Leadership
**All school-sponsored and student-initiated clubs are available to pre-diploma pathway students.*

Apprenticeships

Apprenticeships are open to all IB pre-Diploma Pathway students. Fields include healthcare, information technology, manufacturing, trades, finance, culinary, and hospitality.

PROGRAM OF STUDY:

International Baccalaureate

	GRADUATION REQUIREMENTS (240)	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
CORE CLASSES	Social Studies / Humanities (30)	MYP History / Geography 1	MYP History / Geography 2	History of the Americas	Contemporary World Politics
	Language Arts (40)	MYP English 9	MYP English 10	Language A: Literature	Language A: Literature
	Math (30)	Math	Math	Math / Math / AP	Math / Math / AP
	Lab Science (30)	Science	Science	Science / AP	Science / AP
PATHWAY CLASSES	Students select courses from any other pathway.			Students choose a 6th IB diploma course of their choosing.	Students choose a 6th IB diploma course of their choosing.
WORLD LANGUAGES	World Language OR World Culture (10)	World Language Spanish, French or German 1-5	World Language	World Language World Language	World Language World Language
FINE & APPLIED ARTS	Arts (10)	Visual Arts Performing Arts Applied Arts (One Semester: Meets MYP Level 4)	Visual Arts Performing Arts Applied Arts (One Semester: Meets MYP Level 5)	Visual Art, Music Theory, & Theatre options for students interested in the arts.	Visual Art, Music Theory, & Theatre options for students interested in the arts.
HEALTH & WELLNESS	Health & Wellness (15)	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness	Physical Education AND / OR Wellness
ELECTIVE	Electives (65)	MYP Freshman Seminar Electives	Electives	Electives	Electives
FINANCE & ECONOMICS	Finance & Economics (10)		Financial Planning Economics	Financial Planning Economics	Financial Planning Economics

KEY:

Dual Credit Option

Industry Certification*

Advanced Placement

IB Diploma Course

NOTE: Dual Credit and Certifications offered in most elective courses

Poudre High School's Counseling Department provides additional resources to help parents and students navigate their 4-year journey.

Please visit the Poudre High School website for additional resources.

<http://www.phscounseling.org>

Included in the Curriculum Guide resources are:

- Courses and course descriptions listed by subject area
- Explanations of dual credit through Front Range Community College
- ASCENT Information
- Adjusted GPA explanation
- Middle school courses offering high school credit
- Additional education opportunities
- Higher education admissions requirements
- NCAA requirements
- Graduation requirements for graduating classes of 2021, 2022, and 2023+



UBUNTU

*“I am who
I am because
of who we
are.”*

At PHS, we live by the philosophy of Ubuntu — the essence of being human.

“Ubuntu speaks particularly about the fact that you can’t exist as a human being in isolation. It speaks about our interconnectedness. We think of ourselves far too frequently as just individuals, separated from one another, whereas you are connected and what you do affects the whole world. When you do well, it spreads out; it is for the whole of humanity.”

That’s why we’re in this together—students, parents, counselors, teachers and staff. Your success is our success! Ubuntu!

I AM WHO I AM
BECAUSE OF
WHO WE ARE

WE ARE POUDRE

