



AGRICULTURE, FOOD, AND NATURAL RESOURCES

What is the Agriculture, Food, and Natural Resources Pathway?

The agriculture, food, and natural resources pathway refers to career fields related to natural resources and the environment.

This includes programs of study on subjects such as:

- Agriculture (production, processing, marketing, distribution, financing)
- Earth Science and Environmental Science
- Forestry, Horticulture and Wildlife Management

Is this Pathway for me?

People who enjoy the agriculture, food, and natural resources pathway also tend to enjoy the following activities:

- Working with plants and animals
- Identifying and preserving wildlife and natural resources
- Enjoy math, science and agriculture classes
- Creating products from natural resources
- Caring for plants in the home or yard
- Working outdoors and with nature

What careers are in the Agriculture, Food, and Natural Resources Pathway?

Sample careers in the Agriculture, Food, and Natural Resources Pathway include:

High School Diploma

Bee Keeper
Fisherman
Nursery Worker
Horse Stable Worker
Crop Sprayer
Landscape Laborer
Pet Groomer
Vet Hospital Worker
Farm Worker
Logger
Pet shop Worker

Associate's Degree (2 years of study)

Turf Manager
Arborist
Crop or Animal Farmer
Fish & Game Officer
Greenhouse Manager
Quality Food Control
Waste Water Technician
Animal Control Officer
Environmental Technician
Genetic Technologist
Horticulturist
Taxidermist
Veterinary Technician
Animal Nutritionist
Farrier
Golf Course Manager
Landscape Designer

Bachelor's Degree and Above (4+ years of study)

Forester
Agricultural Commodities Broker
Ag Sales & Communications
Biochemist
Landscape Architect
Soil Geologist
Veterinarian
Agricultural Economist
Agricultural Banker
Botanist
Game Warden
Marine Biologist
Agricultural Educator
Toxicologist
Geneticist
Wildlife Biologist
Animal Psychologist
Entomologist
Plant Pathologist
USDA Inspector
Zoologist
Park Ranger

AGRICULTURE, FOOD, AND NATURAL RESOURCES

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Exploring Animals, Plants and Food
 Food Science
 Foods for Life
 Spanish I or French I
 Intro to Business & Marketing

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Vet Science ES
 Plant Science ES (TC)
 Entrepreneurship
 Principles of Marketing
 Food Science
 Algebra II
 Accounting I
 College Algebra
 AP Environmental Science
 Foods for Life
 Spanish I, II or French I, II
 Business Law
 Intro to Business & Marketing

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

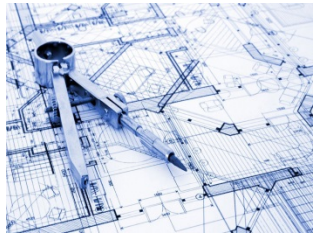
Vet Science ES
 Plant Science ES (TC)
 Wildlife and Natural Resources
 Entrepreneurship
 Principles of Marketing
 Food Science
 Algebra II
 Chemistry
 Large Animal Science ES (TC)
 Critical Perspectives in Mass. Com.
 Accounting I & II
 College Algebra
 AP Environmental Science
 Foods for Life
 Spanish I, II, III or French I, II, III
 Business Law
 Intro to Business & Marketing
 Environmental Science ES

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Vet Science ES
 Plant Science ES (TC)
 Wildlife and Natural Resources
 AG Business Mgmt. & Leadership
 Entrepreneurship
 Principles of Marketing
 Food Science
 Algebra II
 Chemistry
 Large Animal Science ES (TC)
 Critical Perspectives in Mass. Com.
 Accounting I & II
 College Algebra
 AP Environmental Science
 AG/Tech Independent Study
 Foods for Life
 Oral Communication (TC)
 Business Law
 Intro to Business & Marketing
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture
 Environmental Science ES



ARCHITECTURE AND CONSTRUCTION

What is the Architecture and Construction Pathway?

The architecture and construction pathway refers to career fields related to infrastructure and building design. This includes programs of study on subjects such as:

- Designing new buildings and spaces
- Restoring old buildings and developing new ways to use existing buildings or structures
- Alteration, repair, restoration, maintenance, extension, demolition or dismantling of buildings or structures

Is this Pathway for me?

People who enjoy the architecture and construction pathway also tend to enjoy the following activities:

- Reading and following blueprints and/ or instructions
- Visiting and learning about beautiful, historical or interesting buildings
- Solving technical problems
- Enjoy math, science, technology education classes
- Visualizing possibilities and finished products
- Working with their hands

What careers are in the Architecture and Construction Pathway?

Sample careers in the Architecture and Construction Pathway include:

High School Diploma

Construction Laborer
Highway Maintenance
Groundskeeper & Gardener
Roofer
Tile Setter
Fence Builder
Grading & Leveling Machine

Associate's Degree (2 years of study)

HVAC Technician
Carpenter
Electrician
Plaster
Electrical Engineering
Architectural Drafter
Cement Mason
Glazier
Plumber
Brick Layer
Drywall Installer
Pipe fitter
Civil Engineering Technician

Bachelor's Degree and Above (4+ years of study)

Architect
Civil Engineer
Grounds Supervisor
Building Contractor
Cost Estimator
Interior Design
C.A.D Designer
Electrical Engineer
Landscape Architect

ARCHITECTURE AND CONSTRUCTION

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Applied Technology
Home and Auto Maintenance
Housing Design
Digital Media I and II
Introduction to Engineering Design

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Algebra II
College Algebra
Trigonometry
Applied Technology
Introduction to Building Construction
Construction
Introduction to Woods
Home and Auto Maintenance
Accounting I
Business Law
AP Environmental Science
Materials and Processes I
Entrepreneurship
Digital Media I and II
Web Design
Housing Design
Precalculus
Introduction to Engineering Design
Principles of Engineering

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit and Empl	.5

Possible Electives:

Algebra II
College Algebra
AP Physics I or Physics
Trigonometry
Precalculus
Chemistry or AP Chemistry
Applied Technology
Introduction to Building Construction
Introduction to Woods
Home and Auto Maintenance
Accounting I and II
Web Design
Business Law
AP Environmental Science
Cabinet and Furniture Making
Construction Trades I
Material and Processes I and II
Entrepreneurship
Digital Media I and II
Housing Design
Introduction to Engineering Design
Principles of Engineering

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Algebra II
College Algebra
AP Physics I or Physics
AP Psychology or Psychology
Oral Communication (TC)
Trigonometry
Precalculus
Chemistry or AP Chemistry
Applied Technology
Introduction to Building Construction
Introduction to Woods
Home and Auto Maintenance
Accounting I and II
Web Design
Business Law
AP Environmental Science
Cabinet and Furniture Making
Construction Trades I and II
Print Reading and GMAW
Material and Processes I and II
Entrepreneurship
Digital Media I and II
Housing Design
Introduction to Engineering Design
Principles of Engineering



ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

What is the Arts, A/V Technology and Communications Pathway?

The arts, a/v technology and communications pathway refers to career fields related to creative exploration. This includes

programs of study on subjects such as:

- Visual and performing arts and design
- Journalism
- Entertainment services

Is this Pathway for me?

People who enjoy the arts, a/v technology and communications pathway also tend to enjoy the following activities:

- Entertaining and performing in front of others
- Using their imagination to create works of art
- Enjoy music, art, english and computer science classes
- Communicating, and talking with others
- Working with technology
- Reading and writing

What careers are in the Arts, A/V Technology and Communications Pathway?

Sample careers in the Arts, A/V Technology and Communications include:

High School Diploma

Floral Designer
 Photographer
 Television Camera Operator
 Grips
 Proofreader
 Lithographic Photographer
 Sign Designer

Associate's Degree (2 years of study)

Actor/Actress
 Broadcast Technician
 Dancer
 Photofinishers
 Printing Press Operator
 Tattoo Artist
 Animator
 Choreographer
 Disk Jockey
 Recording Degree
 Telephone Installation Technician
 Video Game Designer
 Announcer
 Communications Line Manager
 Jeweler
 Printing Machine Operator
 Sign Language Interpreter

Bachelor's Degree and Above (4+ years of study)

Advertising Layout Design
 Art Therapist
 Composer
 Fashion Designer
 Journalist
 Reporters
 Art Director
 Artist
 Dance Teacher
 Film Editor
 Music Teacher
 Set Designer
 Art Teacher
 Cinematographer
 Desktop Publisher
 Industrial Designer
 Music Therapist
 Theater Manager

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Introduction to Business and Marketing
 Business Computer Applications
 Band – Symphonic
 Treble Clef
 Bass Chorus
 Advanced Women’s Show Choir
 Mixed Concert Choir & Show Choir
 Music Theory I
 Fashion Styling
 Art I and II
 Jewelry
 Digital Media I and II

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Introduction to Business and Marketing
 Game Design I
 Business Computer Applications
 Web Design
 Probability and Statistics
 Digital Media I and II
 Video Production I and II
 Band – Symphonic
 Treble Clef
 Bass Chorus
 Advanced Women’s Show Choir
 Mixed Concert Choir & Show Choir
 Music Theory I and AP Music Theory
 Fashion Styling
 Journalistic Publications
 Art I and II
 Digital Photography
 Drawing
 Painting
 Ceramics I and II
 Jewelry

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Introduction to Business and Marketing
 Game Design I
 Business Computer Applications
 Digital Media I and II
 Video Production I and II
 Web Design
 Band – Symphonic and Wind Ensemble
 Treble Clef and Bass Chorus
 Advanced Women’s Show Choir
 Mixed Concert Choir & Show Choir
 Music Theory I and AP Music Theory
 Fashion Styling
 AP English Language & Composition
 Journalistic Publications
 Art I and II
 Digital Photography
 Drawing
 Painting
 Advanced Drawing & Advanced Painting
 Ceramics I and II
 AP Studio Art
 Jewelry

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov’t Politics	1

Possible Electives:

Introduction to Business and Marketing
 Game Design I
 Critical Perspectives in Mass Communication
 Business Computer Applications
 Digital Media I and II
 Video Production I and II
 Web Design
 Psychology or AP Psychology
 Oral Communication (TC)
 Band – Symphonic and Wind Ensemble
 Treble Clef and Bass Chorus
 Mixed Concert Choir & Show Choir
 Advanced Women’s Show Choir
 Music Theory I and AP Music Theory
 Fashion Styling
 AP English Language & Composition
 AP Literature and Composition
 Journalistic Publications
 Creative Writer’s Workshop
 Contemporary Issues in America
 Art I and II
 Digital Photography
 Drawing
 Painting
 Advanced Drawing & Advanced Painting
 Ceramics I and II
 AP Studio Art
 Jewelry



BUSINESS MANAGEMENT AND ADMINISTRATION

What is the Business Management and Administration Pathway?

The business management and administration pathway refers to career fields related to business growth and management.

This includes programs of study on subjects such as:

- Planning, organizing, directing and evaluating business functions essential to efficient and productive business operations

Is this Pathway for me?

People who enjoy the business management and administration pathway also tend to enjoy the following activities:

- Solving problems and making decisions
- Working with technology
- Enjoy math, english, business and computer science classes
- Organizing and planning
- Creating reports, graphs, and presentations
- Being a leader and working with others

What careers are in the Business Management and Administration Pathway?

Sample careers in the Business Management and Administration Pathway include:

High School Diploma

Book Keeping Clerk
Meter Reader
Receptionist
Human Resource Clerk
Office Clerk
Teller
Mail Clerk
Payroll Clerk

Associate's Degree (2 years of study)

Funeral Director
Tax Preparer
Administrative Assistant
Computer Operator
Kennel Owner
Caterer
Crop and Livestock Director
Court Reporter
Stenographer

Bachelor's Degree and Above (4+ years of study)

Accountant CPA
Art Director
Business and Industry Manager
Educational Administrators
Management Consultant
Advertising Manager
Small Business Owner
Communications & Operations Manager
Health Care Administrators
Nursing Administrator
Business Intelligence Analyst
Compensation & Benefit Manager
Financial Analyst
Business Agent
Budget Analyst
Project Manager
Arbitrator

BUSINESS MANAGEMENT AND ADMINISTRATION

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business & Marketing
 IT Fundamentals
 Business Computer Applications
 Spanish I or French I
 Human Geography & World Cultures
 Digital Media I and II

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business & Marketing
 IT Fundamentals
 Accounting I
 Business Computer Applications And I & II
 Principles of Marketing
 Algebra II
 Probability & Statistics
 Business Law
 Entrepreneurship
 Spanish I, II or French I, II
 Web Design
 Sports & Entertainment Marketing
 Precalculus

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Intro to Business & Marketing
 IT Fundamentals
 Accounting I & II
 Business Computer Applications And I & II
 Chemistry
 Principles of Marketing
 Algebra II
 Probability & Statistics
 Precalculus
 Business Law
 Entrepreneurship
 Retail Management & School Store
 Spanish I, II, III or French I, II, III
 Web Design
 International Business
 Communication
 Sports & Entertainment Marketing

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business & Marketing
 IT Fundamentals
 Accounting I & II
 Business Computer Applications And I & II
 Oral Communication (TC)
 Chemistry
 Principles of Marketing
 Algebra II
 Probability & Statistics
 Precalculus
 Psychology or AP Psychology
 Business Law
 Entrepreneurship
 Retail Management & School Store
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture
 Web Design
 Comparative Religions, Culture & Philosophy
 International Business
 Ag Business Management & Leadership
 Critical Perspectives in Mass Communication
 Contemporary Issues in America
 Sports & Entertainment Marketing
 World Literature



EDUCATION AND TRAINING

What is the Education and Training Pathway?

The education and training pathway refers to career fields related to teaching and promoting new skills and material. This includes programs of study on subjects such as:

- Planning, managing and providing education and training services and related learning support services

Is this Pathway for me?

People who enjoy the education and training pathway also tend to enjoy the following activities:

- Helping people overcome their challenges
- Teaching skills to others
- Enjoy english, science, math, social studies and family and consumer sciences classes
- Working with many different personalities
- Handling several responsibilities at once

What careers are in the Education and Training Pathway?

Sample careers in the Education and Training Pathway include:

High School Diploma

Aerobics Instructor
Library Assistant
Child Care Assistant
Self-Enrichment Teacher
Dance Teacher

Associate's Degree (2 years of study)

Computer Installation & Demonstration
Preschool Teacher
Sign Language Interpreter
Lead Child Care Teacher
Library Technician
Teacher Assistant

Bachelor's Degree and Above (4+ years of study)

Apprenticeship Consultant
Instructional Coordinator
Music Therapist
Teacher of the Blind
Speech-Language Pathologist
Training Program Manager
Adult Literacy Teacher
Bilingual Educator
Kindergarten Teacher
School Psychologist
Vocational Education Teacher
School Counselor

Elementary School Teacher
Educational Administrator
Music Teacher
High School Teacher
Librarian
University Professor
Special Education Teacher
Dean of Students
Middle School Teacher

EDUCATION AND TRAINING

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

IT Fundamentals
 Food, Family & Design
 Intro to Business and Marketing
 Business Computer Applications
 Spanish I or French I
 Human Geography and World Cultures

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Algebra II
 Probability & Statistics
 IT Fundamentals
 Food, Family & Design
 Careers with Children (TC)
 Intro to Business and Marketing
 Business Computer Applications
 Spanish I, II or French I, II

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Algebra II
 Probability & Statistics
 Chemistry or AP Chemistry
 IT Fundamentals
 Food, Family & Design
 Peer Tutoring/ Mentor for "Support Success"
 Peer Tutoring for MHS Learning Center
 Careers with Children (TC)
 Learning Skills Tutor (at NIS)
 Early Childhood Education (TC)
 Intro to Business and Marketing
 Business Computer Applications
 Spanish I, II, III or French I, II, III
 AP English Language & Composition

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Oral Communication (TC)
 Algebra II
 Probability & Statistics
 Chemistry or AP Chemistry
 Food, Family & Design
 Peer Tutoring/ Mentor for "Support Success"
 Peer Tutoring for MHS Learning Center
 Careers with Children (TC)
 Learning Skills Tutor (at NIS)
 Early Childhood Education (TC)
 Intro to Business and Marketing
 Comparative Religions, Culture & Philosophy
 Business Computer Applications
 Psychology or AP Psychology
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture
 AP English Language & Composition
 AP English Literature & Composition
 World Literature
 AP US Government & Politics
 Global Studies
 History of Modern Warfare
 Contemporary Issues in America
 Contemporary Fiction Literature
 British Literature



FINANCE

What is the Finance Pathway?

The finance pathway refers to career fields related to money management. This includes programs of study on subjects such as:

- Banking and accounting related services
- Financial and investment planning
- Insurance services

Is this Pathway for me?

People who enjoy the finance pathway also tend to enjoy the following activities:

- Working with numbers
- Identifying and following changes to the stock market
- Enjoy math and business classes
- Helping people manage their money and resources
- Enjoy working in a fast paced environment

What careers are in the Finance Pathway?

Sample careers in the Finance Pathway include:

High School Diploma

Bill and Account Collector
Brokerage Clerk
Credit Authorizers/Checkers
Insurance Claims/ Policy Processing Clerk
Loan Interviewer/Clerk
Teller

Associate's Degree (2 years of study)

Auto Damage Insurance Appraiser
Claims Adjuster, Examiner, and Investigator
Insurance Sales Agent
Tax Preparer

Bachelor's Degree and Above (4+ years of study)

Financial Counselor
Investment Advisor
Actuary
Insurance Underwriter
Budget Analyst
Credit Analyst
Financial Analyst
Financial Manager
Financial Quantitative Analyst
Fraud Examiner/Investigator
Investment Underwriter
Securities, Commodities and Financial Services Sales Agent
Personal Financial Advisor
Risk Management Specialist
Loan Officer

FINANCE

Typical Four-Year Plan

Grade 9		Grade 10		Grade 11		Grade 12	
Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit
English 9	1	English 10	1	English 11 or AP Eng Lang	1	English Elective	1
Health	.5	Math	1	US Hist. or AP US Hist.	1	Civics and Social Studies	1
PE	.5	World History or AP World History	1	Math	1	Elective <u>or</u> AP US Gov't Politics	
Math	1	Earth Science	1	Physical Science, Physics or Chemistry	1		
Biology	1	PE	.5	PE	.5		
				Financial Lit & Empl	.5		
<p>Possible Electives: Intro to Business & Marketing Business Computer Applications</p>		<p>Possible Electives: Intro to Business & Marketing Entrepreneurship Business Law Accounting I Business Computer Applications Algebra II College Algebra Probability & Statistics Precalculus AP Statistics</p>		<p>Possible Electives: Intro to Business & Marketing Entrepreneurship Business Law Accounting I & II Business Computer Applications International Business Algebra II College Algebra Probability & Statistics AP Statistics Precalculus AP Calculus Physics or AP Physics I Chemistry or AP Chemistry Shop Math I & II</p>		<p>Possible Electives: Intro to Business & Marketing Entrepreneurship Business Law Accounting I & II Business Computer Applications International Business Algebra II College Algebra Oral Communication (TC) Probability & Statistics AP Statistics Precalculus AP Calculus Global Studies Contemporary Issues in America Physics or AP Physics I Chemistry or AP Chemistry Shop Math I & II</p>	



GOVERNMENT AND PUBLIC ADMINISTRATION

What is the Government and Public Administration Pathway?

The government and public administration pathway refers to career fields related to the government, politics, and local, state and federal regulation. This includes programs of study on subjects such as:

- Executing governmental functions to include governance, national security, foreign service, revenue and taxation, regulation and planning, and management and administration at the local, state and federal levels.

Is this Pathway for me?

People who enjoy the government and public administration pathway also tend to enjoy the following activities:

- Negotiating, defending and debating ideas and topics
- Traveling to new places
- Enjoy government, history, english, math and foreign language classes
- Analyzing information and interpreting it to others
- Being active in politics and following news sources
- Working with details and solving complex problems

What careers are in the Government and Public Administration Pathway?

Sample careers in the Government and Public Administration Pathway include:

High School Diploma

Mail Carrier
Mail Handling Machine Operator
Postal Clerk
License Clerk
Driver's License Examiner
Infantry Forces

Associate's Degree (2 years of study)

Coroner
Association Executive
Postmaster
Special Forces
Title Examiner
City Planning Aid
Building Inspector
Transportation Inspector

Bachelor's Degree and Above (4+ years of study)

Public Utilities Manager
Special Operations Officer
Infantry Officer
Urban Planner
Emergency Management Specialist
Apprenticeship Consultant
Aviation Security Specialist
Political Scientist
Peace Corps Volunteer
Social Services Administrator
Translator / Interpreter
Occupational Health & Safety Specialist
Legislator
Equal Opportunity Specialist
City Manager
Lawyer
Lobbyist
Politician

GOVERNMENT AND PUBLIC ADMINISTRATION

Typical Four-Year Plan

Grade 9		Grade 10		Grade 11		Grade 12	
Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit
English 9	1	English 10	1	English 11 or AP Eng Lang	1	English Elective	1
Health	.5	Math	1	US Hist. or AP US Hist.	1	Civics and Social Studies	1
PE	.5	World History or AP World History	1	Math	1	Elective <u>or</u> AP US Gov't Politics	
Math	1	Earth Science	1	Physical Science, Physics or Chemistry	1		
Biology	1	PE	.5	PE	.5		
				Financial Lit & Empl	.5		
<p>Possible Electives: Spanish I or French I Intro to Business and Marketing Business Computer Applications IT Fundamentals Human Geography and World Cultures</p>		<p>Possible Electives: Spanish I, II or French I, II Trigonometry Probability & Statistics Intro to Business and Marketing AP Environmental Science AP Biology Business Computer Applications Business Law Entrepreneurship IT Fundamentals AP Statistics</p>		<p>Possible Electives: Spanish I, II, III or French I, II, III Trigonometry Probability & Statistics Intro to Business and Marketing AP Biology AP Environmental Science Physics or AP Physics I Chemistry or AP Chemistry AP English Language & Composition AP Statistics Business Computer Applications Business Law Entrepreneurship IT Fundamentals International Business</p>		<p>Possible Electives: Oral Communication (TC) Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture Trigonometry Probability & Statistics Comparative Religions, Culture, and Philosophy Contemporary Issues in America Global Studies Intro to Business and Marketing AP US Government and Politics Psychology or AP Psychology AP Biology AP Environmental Science Physics or AP Physics I Chemistry or AP Chemistry AP English Language & Composition AP English Literature & Composition AP Calculus AP Statistics Business Computer Applications Business Law Entrepreneurship IT Fundamentals International Business History of Modern Warfare Contemporary Fiction Literature World Literature</p>	



HEALTH SCIENCE

What is the Health Science Pathway?

The health science pathway refers to career fields related to the promotion of health and the treatment of injuries, conditions and diseases. This includes programs of study on subjects such as:

- Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Is this Pathway for me?

People who enjoy the health science pathway also tend to enjoy the following activities:

- Working with and helping people
- Learning about how the human body works
- Enjoy math, science and health classes
- Can work reasonably well under stress or crisis
- Working with, and researching new technology
- Like to stay organized and keep accurate records

What careers are in the Health Science Pathway?

Sample careers in the Health Science Pathway include:

High School Diploma

Certified Nursing Assistant
Medical Office Assistant
Toxicologist
Orderly
Clerk
Hospital Admitting
Dietary Aide

Associate's Degree (2 years of study)

Dental Assistant Physical Therapy Aide
Emergency Medical Technician Surgical Technician
Medical Assistant
Radiology Technologist
Translator/Interpreter
Dental Hygienist
Home Health Aide
Occupational Therapy Assistant
Registered Nurse
Ultra Sound Technician
Dialysis Technician
Massage Therapist

Bachelor's Degree and Above (4+ years of study)

Anesthesiologist Chiropractor
Dentist Geneticist
Hemotherapist Nurse Practitioner
Occupational Therapist Pharmacist
Podiatrist Psychiatrist
Registered Nurse Surgeon
Athletic Trainer Health Educator
Dietician
Music Therapist
Oral Surgeon
Primary Care Physician
Statistician

HEALTH SCIENCE

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I or French I

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Probability & Statistics
 Intro to Business and Marketing
 Food, Family and Design
 AP Environmental Science
 Careers with Children (TC)
 AP Biology
 Spanish I, II or French I, II
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Precalculus
 AP Statistics

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Probability & Statistics
 Intro to Business and Marketing
 Food, Family and Design
 AP Environmental Science
 Careers with Children (TC)
 Early Childhood Education (TC)
 Physics or AP Physics I
 AP Biology
 Spanish I, II, III or French I, II, III
 AP Statistics
 AP Chemistry
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Precalculus
 Nursing Assistant
 Medical Terminology (TC)

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Oral Communication (TC)
 Probability & Statistics
 Intro to Business and Marketing
 Food, Family and Design
 AP Environmental Science
 Careers with Children (TC)
 Early Childhood Education (TC)
 Physics or AP Physics I
 AP Biology
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture
 AP Statistics
 AP Calculus
 AP Chemistry
 Psychology or AP Psychology
 AP US Government and Politics
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Precalculus
 Comparative Religions, Culture, and Philosophy
 Nursing Assistant
 Medical Terminology (TC)



HOSPITALITY AND TOURISM

What is the Hospitality and Tourism Pathway?

The hospitality and tourism pathway refers to career fields related to the culinary, travel, lodging, amusement and attractions industry. This includes programs of study on subjects such as:

- Managing and marketing the operations of restaurants and other food related services, lodging, attractions, recreational events and travel related services.

Is this Pathway for me?

People who enjoy the hospitality and tourism pathway also tend to enjoy the following activities:

- Working with people on choices for food, leisure time and travel
- Working together in a team
- Enjoy family and consumer education, business and social studies classes
- Handling several responsibilities at once
- Working in customer service
- Planning and organizing

What careers are in the Hospitality and Tourism Pathway?

Sample careers in the Hospitality and Tourism Pathway include:

High School Diploma

Baggage Porter and Bell Hop
Concierge
Janitor
Short Order Cook
Cake Decorator
Furniture Refinisher
Hotel Clerk
Motion Picture Projectionist
Amusement Park Attendant
Waiter/Waitress
Flight Attendant
Transportation Ticket Agent

Associate's Degree (2 years of study)

Restaurant Manager
Chef
Hotel/Motel Manager
Casino Supervisor
Wedding Planner
Event Planner
Spa & Wellness Manager
Pilot

Bachelor's Degree and Above (4+ years of study)

Private Household Chef
Recreation Director
Business Owner

HOSPITALITY AND TOURISM

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I or French I
 Foods for Life
 Food Science
 Culinary Arts
 Housing Design
 Business Computer Applications
 IT Fundamentals
 Exploring Animals, Plants and Foods
 Digital Media I and II

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II or French I, II
 Probability and Statistics
 Foods for Life
 Food Science
 Culinary Arts
 Housing Design
 Business Computer Applications
 Digital Media I and II
 IT Fundamentals
 Business Law
 Accounting I
 Entrepreneurship
 AP Statistics

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit and Empl	.5

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II, III or French I, II, III
 Probability and Statistics
 Foods for Life
 Food Science
 Culinary Arts
 Housing Design
 Business Computer Applications
 Digital Media I and II
 IT Fundamentals
 AP Statistics
 Business Law
 Accounting I and II
 Entrepreneurship
 Retail Management and School Store
 International Business

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language and Culture
 Oral Communication (TC)
 Critical Perspectives in Mass Comm.
 Probability and Statistics
 Foods for Life
 Food Science
 Culinary Arts
 Housing Design
 Business Computer Applications
 Digital Media I and II
 IT Fundamentals
 AP Statistics
 Business Law
 Accounting I and II
 Entrepreneurship
 Global Studies
 Comparative Religions, Culture, and Philosophy
 Contemporary Issues in America
 Retail Management and School Store



HUMAN SERVICES

What is the Human Services Pathway?

The human services pathway refers to career fields related to helping individuals and families meet their personal needs. This includes programs of study on subjects such as:

- Counseling and mental health services
- Child/Family services
- Cosmetics, spa, and fitness services
- Funeral services

Is this Pathway for me?

People who enjoy the human services pathway also tend to enjoy the following activities:

- Working with groups or teams
- Working with people to help them solve their problems
- Enjoy english, social studies, family and consumer education classes
- Learning about how people behave
- Participating in community services and/or volunteering
- Coming up with new ways to do things

What careers are in the Human Services Pathway?

Sample careers in the Human Services Pathway include:

High School Diploma

Beauty Consultant
Mental Health Aide
Crossing Guard
Nanny
Aerobics Instructor
Sales Associate
Sign Painter
Tailor/Dress Maker
Textile/Garment Presser
Shampooer
Personal Care Aide
Funeral Attendant

Associate's Degree (2 years of study)

Funeral Service Director
Community Organization Worker
Cosmetologist
Nail Technician
Skin Care Specialist
Embalmer
Massage Therapist
Mortician/ Undertaker

Bachelor's Degree and Above (4+ years of study)

Social Worker
Psychologist
Psychiatrist
Career Counselor
School Counselor
Clergy
Anthropologist
Alcohol & Drug Abuse Counselor
Marriage and Family Therapist
Religious Activities Director
Residence Hall Director
Social and Community Service Manager

HUMAN SERVICES

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I or French I
 Foods for Life
 Food Science
 Culinary Arts
 Business Computer Applications
 Housing Design

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II or French I, II
 AP Environmental Science
 Probability and Statistics
 Foods for Life
 Food Science
 AP Biology
 Culinary Arts
 Careers with Children (TC)
 AP Statistics
 Accounting I
 Business Computer Applications
 Housing Design

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

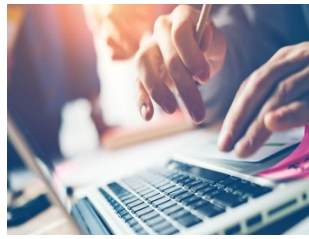
Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II, III or French I, II, III
 AP Environmental Science
 Probability and Statistics
 Foods for Life
 Food Science
 Culinary Arts
 Early Childhood Education (TC)
 AP Statistics
 Careers with Children (TC)
 Accounting I and II
 AP English Language & Composition
 Business Computer Applications
 AP Biology
 Peer Tutor/Learning Tutor
 Housing Design

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business and Marketing
 Food, Family and Design
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture
 Oral Communication (TC)
 AP Environmental Science
 Critical Perspectives in Mass Communication
 Probability and Statistics
 Foods for Life
 Food Science
 Culinary Arts
 Early Childhood Education (TC)
 Psychology/AP Psychology
 AP Statistics
 Careers with Children (TC)
 Accounting I and II
 Global Studies
 Comparative Religions, Culture, and Philosophy
 Contemporary Issues in America
 AP English Language & Composition
 AP English Literature
 Contemporary Fiction Literature
 AP Biology
 World Literature
 Peer Tutor/Learning Tutor
 Business Computer Applications
 Housing Design



INFORMATION TECHNOLOGY

What is the Information Technology Pathway?

The information technology pathway refers to career fields related to computer hardware, software, multimedia, or network systems. This includes programs of study on subjects such as:

- Supporting and managing computer hardware or software
- Designing new computer equipment
- Creating or helping to build video games

Is this Pathway for me?

People who enjoy the information technology pathway also tend to enjoy the following activities:

- Evaluating data
- Exploring and installing computer software
- Enjoy computer science & digital media, math, science and business classes
- Playing video games
- Using machines and technology
- Thinking logically and analytically

What careers are in the Information Technology Pathway?

Sample careers in the Information Technology Pathway include:

High School Diploma

Computer User Support

Associate's Degree (2 years of study)

Computer Network Support Specialist
Animator
IT Network Specialist
JAVA Programmer
Computer Service Technician
Mobile Programmer
IT Help Desk

Bachelor's Degree and Above (4+ years of study)

Video Game Designer
Application Software Developer
Computer Network Architect
Computer Programmer
Computer System Analyst
Computer System Engineer
Database Administrator
Information Security Analyst
Network and Computer Systems Administrator
System and Software Developer
Web Administrator
Web Developer

INFORMATION TECHNOLOGY

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Introduction to Computer Science
Intro to Business & Marketing
IT Fundamentals
Computer Programming
Digital Media I and II
Business Computer Applications
Introduction to Engineering Design

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Introduction to Computer Science
Intro to Business & Marketing
IT Fundamentals
Algebra II
Precalculus
AP Statistics
Probability & Statistics
Computer Programming
Trigonometry
AP Computer Science A
Digital Media I and II
Game Design I
Web Design
Video Production I and II
Business Computer Applications
Introduction to Engineering Design
Principles of Engineering
Computer Science Principles

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Introduction to Computer Science
Intro to Business & Marketing
IT Fundamentals
Algebra II
Probability & Statistics
Computer Programming
Trigonometry
Precalculus
AP Statistics
AP Computer Science A
Digital Media I and II
AP Physics I/ Physics
Web Design
Video Production I and II
Game Design I
Business Computer Applications
iCadet Program – Computer Service
Introduction to Engineering Design
Principles of Engineering

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Introduction to Computer Science
Intro to Business and Marketing
IT Fundamentals
Algebra II
Probability & Statistics
Computer Programming
Trigonometry
Precalculus
AP Statistics
AP Calculus
AP Computer Science A
Oral Communication (TC)
Digital Media I and II
AP Physics I/ Physics
Web Design
Video Production I and II
Game Design I
Business Computer Applications
iCadet Program – Computer Service
Introduction to Engineering Design
Principles of Engineering
Computer Science Principles



LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

What is the Law, Public Safety, Corrections and Security Pathway?

The law, public safety, corrections and security pathway refers to career fields related to planning, managing, and providing legal, public safety, protective services, and homeland security including professional and technical support services. This includes programs of study on subjects such as:

- Emergency and fire management, law enforcement, legal services, correction services, security and protective services

Is this Pathway for me?

People who enjoy the law, public safety, corrections and security pathway also tend to enjoy the following activities:

- Working with and helping people
- Observing people's behavior
- Enjoy government, social studies and english classes
- Learning about laws and regulations
- Negotiating, defending and debating ideas and topics

What careers are in the Law, Public Safety, Corrections and Security Pathway?

Sample careers in the Law, Public Safety, Corrections and Security Pathway include:

High School Diploma

Correctional Officer
Crossing Guard
Dispatcher
Security Guard
Parking Enforcement Officer
Lifeguard
Animal Control Worker
Title Examiner
Ski Patroller

Associate's Degree (2 years of study)

Bailiff
Fire Inspector
Fire Inspector
Paralegal Assistant
Police Canine Trainer
Court Reporter
Firefighter
Parole Officer
Police Officer
Emergency Medical Technician
Legal Secretary
Probation Officer
Private Detective

Bachelor's Degree and Above (4+ years of study)

Adjudicator
Judge
Police Officer
Arbitrator
FBI Agent
Lawyer
Private Detective
Conservation Warden
Forensic Science Technician
EMT
Judicial Law Clerk
Administrative Law Judge

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Typical Four-Year Plan

Grade 9		Grade 10		Grade 11		Grade 12	
Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit	Mandatory Subjects	Credit
English 9	1	English 10	1	English 11 or AP Eng Lang	1	English Elective	1
Health	.5	Math	1	US Hist. or AP US Hist.	1	Civics and Social Studies	1
PE	.5	World History or AP World History	1	Math	1	Elective <u>or</u> AP US Gov't Politics	
Math	1	Earth Science	1	Physical Science, Physics or Chemistry	1		
Biology	1	PE	.5	PE	.5		
				Financial Lit & Empl	.5		
<p>Possible Electives: Spanish I or French I Intro to Business & Marketing IT Fundamentals Business Computer Applications</p>		<p>Possible Electives: Algebra II Spanish I, II or French I, II Business Law Intro to Business & Marketing IT Fundamentals Business Computer Applications Trigonometry AP Biology Cellular Anatomy & Physiology of the Human Body Structural Anatomy & Physiology of the Human Body BTC Anatomy & Physiology (TC) AP Environmental Science Probability & Statistics Forensic Science AP Statistics</p>		<p>Possible Electives: Algebra II Spanish I, II, III or French I, II, III Business Law Intro to Business & Marketing Chemistry IT Fundamentals Business Computer Applications Trigonometry AP English Language & Composition AP Biology Physics or AP Physics I AP Statistics Cellular Anatomy & Physiology of the Human Body Structural Anatomy & Physiology of the Human Body BTC Anatomy & Physiology (TC) AP Environmental Science Probability & Statistics Forensic Science Wildlife & Natural Resources Youth Fire Fighter/ EMT Cadet Program Environmental Science ES</p>		<p>Possible Electives: Algebra II Chemistry Oral Communication (TC) Business Law Intro to Business & Marketing Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV, AP French Language & Culture IT Fundamentals Business Computer Applications Senior Physical Education Trigonometry AP US Government & Politics Psychology or AP Psychology AP English Language & Composition AP English Literature & Composition AP Biology Physics or AP Physics I AP Calculus AP Statistics Cellular Anatomy & Physiology of the Human Body Structural Anatomy & Physiology of the Human Body BTC Anatomy & Physiology (TC) AP Environmental Science Probability & Statistics Forensic Science Wildlife & Natural Resources Contemporary Issues in America History of Modern Warfare Youth Fire Fighter/ EMT Cadet Program Environmental Science ES</p>	



MANUFACTURING

What is the Manufacturing Pathway?

The manufacturing pathway refers to career fields related to planning, managing and performing the processing of materials into intermediate or final products. This includes programs of study on subjects such as:

- Designing, installing, and repairing products such as cars, appliances, airplanes or electronic devices.

Is this Pathway for me?

People who enjoy the manufacturing pathway also tend to enjoy the following activities:

- Working with their hands
- Operating equipment and machinery
- Enjoy math, science and technology education classes
- Creating and repairing items and products
- Solving technical problems

What careers are in the Manufacturing Pathway?

Sample careers in the Manufacturing Pathway include:

High School Diploma

Engine and Machine Assembler
Ophthalmic Laboratory Technician
Home Appliance Repairer
Machine Operator
Maintenance and Repair Worker
Metal Pourers and Casters
Biomass Plant Technician
Production and Planning Clerk
Recycling and Reclamation Worker
Security/Fire Alarm System
Etcher and Engraver
Team Assembler

Installer
Painter
Locksmith

Associate's Degree (2 years of study)

Aerospace Engineering Technician
Electrician
Industrial Engineering Technician
Manufacturing Production Technician
Mechanical Drafter
Nuclear Technician
Robotics Technician
Welder
Electronic Engineering Technician
Mechanical Engineering Technician

Bachelor's Degree and Above (4+ years of study)

Occupational Health and Safety Inspector
Production Supervisor

MANUFACTURING

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business & Marketing
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Introduction to Engineering Design

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business & Marketing
 Algebra II
 Probability and Statistics
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I
 Intro to Building Construction
 Materials & Processes I
 Introduction to Woods
 Trigonometry
 Precalculus
 Introduction to Engineering Design
 Principles of Engineering

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Intro to Business & Marketing
 Physics or AP Physics I
 Algebra II
 Probability and Statistics
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I & II
 Intro to Building Construction
 Construction Trades I
 Materials & Processes I & II
 Supermileage Vehicle
 Introduction to Woods
 Cabinet & Furniture Making
 Precalculus
 Chemistry or AP Chemistry
 Trigonometry
 Shop Math 1 & 2 (TC)
 Environmental Science ES
 Introduction to Engineering Design
 Principles of Engineering

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business & Marketing
 Physics or AP Physics I
 Algebra II
 Probability and Statistics
 Oral Communication (TC)
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I & II
 Intro to Building Construction
 Construction Trades I & II
 Materials & Processes I & II
 Print Reading & GMAW (TC)
 Ag/Tech Independent Study
 Supermileage Vehicle
 Introduction to Woods
 Cabinet & Furniture Making
 Precalculus
 AP Calculus
 Chemistry or AP Chemistry
 Trigonometry
 Shop Math 1 & 2 (TC)
 Environmental Science ES
 Psychology or AP Psychology
 Introduction to Engineering Design
 Principles of Engineering



MARKETING

What is the Marketing Pathway?

The marketing pathway refers to career fields related to sale of business products and services. This includes programs of study on subjects such as:

- Advertising, public relations, sales and planning marketing activities to reach organizational objectives.

Is this Pathway for me?

People who enjoy the marketing pathway also tend to enjoy the following activities:

- Selling products or services
- Working with and talking to people
- Identifying ways to improve businesses and organizations
- Organizing and planning
- Enjoy math, english, business and computer science classes

What careers are in the Marketing Pathway?

Sample careers in the Marketing Pathway include:

High School Diploma

Advertising Sales Agent
Cashier
Rental Clerk
Product Promoter
Model
Retail Sales Supervisor
Telemarketer
Energy Broker
Door to Door Salesman
Merchandise Displayer

Associate's Degree (2 years of study)

Real Estate Agent
Real Estate Broker
Real Estate Appraiser

Bachelor's Degree and Above (4+ years of study)

Advertising and Promotions Manager
Market Research Analyst
Marketing Manager
Public Relations Specialist
Sales Engineers
Sales Manager
Wholesale and Retail Buyer
Public Relations and Fundraising Manager
Wholesale and Manufacturing Sales Representative

MARKETING

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business & Marketing
 IT Fundamentals
 Business Computer Applications
 Digital Media I and II
 Spanish I or French I
 Human Geography & World Cultures
 Art I & II

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business and Marketing
 IT Fundamentals
 Accounting I
 Business Computer Applications
 Digital Media I and II
 Principles of Marketing
 Algebra II
 Probability and Statistics
 Business Law
 Entrepreneurship
 Spanish I, II or French I, II
 Sports and Entertainment Marketing
 Digital Photography
 Art I and II
 Web Design
 Video Production I and II
 Journalistic Publications
 Precalculus

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit and Empl	.5

Possible Electives:

Intro to Business and Marketing
 IT Fundamentals
 Accounting I and II
 Business Computer Applications
 Digital Media I and II
 Chemistry
 Principles of Marketing
 Algebra II
 Probability and Statistics
 Precalculus
 Business Law
 Entrepreneurship
 Retail Management and School Store
 Spanish I, II, III or French I, II, III
 Web Design
 International Business
 Communication
 Sports and Entertainment Marketing
 Digital Photography
 Art I and II
 Video Production I and II
 Journalistic Publications

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business and Marketing
 IT Fundamentals
 Accounting I and II
 Business Computer Applications
 Digital Media I and II
 Oral Communication (TC)
 Chemistry
 Principles of Marketing
 Algebra II
 Probability and Statistics
 Precalculus
 Psychology or AP Psychology
 Business Law
 Entrepreneurship
 Retail Management and School Store
 Spanish I, II, III, IV, AP Spanish Language or French I, II, III, IV AP French Language and Culture
 Web Design
 Comparative Religions, Culture and Philosophy
 International Business
 Critical Perspectives in Mass Communication
 Contemporary Issues in America
 Sports and Entertainment Marketing
 Digital Photography
 Art I and II
 Video Production I and II
 Journalistic Publications
 Creative Writer's Workshop



SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

What is the Science, Technology, Engineering and Mathematics Pathway?

The science, technology, engineering, and mathematics pathway refers to career fields related to planning, managing, and providing scientific research and professional technical services. This includes programs of study on subjects such as:

- Biology, chemistry, geology, meteorology and any other natural, physical, or earth science.
- The study of numbers and how they relate to each other.
- The study of engineering fields such as aviation, environmental science, and robotics.

Is this Pathway for me?

People who enjoy the science, technology, engineering, and mathematics pathway also tend to enjoy the following activities:

- Analyzing problem situations
- Enjoy science, math and technology education classes
- Exploring new technology
- Reading technical materials and diagrams
- Performing experiments to test scientific hypotheses
- Working with numbers

What careers are in the Science, Technology, Engineering, and Mathematics Pathway?

Sample careers in the Science, Technology, Engineering, and Mathematics Pathway include:

High School Diploma

Associate's Degree (2 years of study)

Biological Technician
 Environmental Technician
 Chemical Technician
 Mathematical Technician
 Mechanical Engineering Technician
 Electronics Engineering Technician
 Civil Engineering Technician
 Industrial Engineering Technician
 Nuclear Technician
 Remote Sensing Technician

Bachelor's Degree and Above (4+ years of study)

Astronomer
 Civil Engineer
 Geologist
 Mechanical Engineer
 Nuclear Engineer
 Statistician
 Anthropologist
 Biomedical Engineer
 Computer Engineer
 Industrial Engineer
 Metallurgist
 Social Science Research Assistant
 Archaeologist
 Chemical Engineer
 Electrical Engineer
 Mathematician
 Solar Engineer
 Survey Researcher
 Sociologist
 Physicist
 Robotics Engineer
 Biologist
 Materials Scientist
 Chemist

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business and Marketing
 Applied Technology
 Business Computer Applications
 Introduction to Engineering Design

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Probability & Statistics
 Intro to Business and Marketing
 Algebra II
 Applied Technology
 Engines & Power Systems I
 Materials & Processes I
 Trigonometry
 AP Environmental Science
 AP Biology
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Business Computer Applications
 Precalculus
 AP Statistics
 Introduction to Engineering Design
 Principles of Engineering

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Probability & Statistics
 Intro to Business and Marketing
 Algebra II
 Applied Technology
 Supermileage Vehicle
 Engines & Power Systems I & II
 Materials & Processes I & II
 Trigonometry
 AP Environmental Science
 Physics or AP Physics I
 AP Biology
 AP Statistics
 AP Chemistry or Chemistry
 AP US History
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Precalculus
 AP English Language & Composition
 Environmental Science (ES)
 Medical Terminology
 Business Computer Applications
 Introduction to Engineering Design
 Principles of Engineering

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Oral Communication (TC)
 Probability & Statistics
 Intro to Business and Marketing
 Algebra II
 Applied Technology
 Supermileage Vehicle
 Engines & Power Systems I & II
 Materials & Processes I & II
 Trigonometry
 AP Environmental Science
 Physics or AP Physics I
 AP Biology
 AP Statistics
 AP Calculus
 AP Chemistry or Chemistry
 AP US Government and Politics
 Cellular Anatomy & Physiology of the Human Body
 Structural Anatomy & Physiology of the Human Body
 BTC Anatomy & Physiology (TC)
 Precalculus
 AP English Language & Composition
 AP English Literature & Composition
 Environmental Science (ES)
 Global Studies
 Business Computer Applications
 Medical Terminology
 Introduction to Engineering Design
 Principles of Engineering



TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

What is the Transportation, Distribution and Logistics Pathway?

The transportation, distribution and logistics pathway refers to career fields related to the movement of people and goods from one place to another. This includes programs of study on subjects such as:

- Air, rail, road and water travel
- Management of large storage centers
- Planning and revising schedules and plans related to transportation

Is this Pathway for me?

People who enjoy the transportation, distribution and logistics pathway also tend to enjoy the following activities:

- Working with a team
- Traveling to new places
- Enjoy technology education and business classes
- Solving Technical Problems
- Operating equipment and machinery

What careers are in the Transportation, Distribution, and Logistics Pathway?

Sample careers in the Transportation, Distribution, and Logistics Pathway include:

High School Diploma

Air Cargo Handling Supervisor	Locomotive Engineer
Airfield Operations Specialist	Mine Shuttle Operator
Automotive Body Repairer	Parking Lot Attendant
Automotive Glass Installer	Rail Car Repairer
Bicycle Repairer	Railroad Conductor
Bridge and Lock Tender	Recycling Coordinator
Bus Driver	Sailor
Freight Agent	Subway Operator
Courier	Taxi Driver
Dispatcher	Traffic Technician
Flight Attendant	
Delivery Driver	

Associate's Degree (2 years of study)

Air Traffic Controller
 Aircraft Mechanic & Service Technician
 Automotive Mechanic
 Avionics Technician
 Captain, Mates and Pilots of Water Vessels
 Commercial Pilot
 Truck Driver
 Motorboat Operator
 Ship Engineer

Bachelor's Degree and Above

(4+ years of study)

Logistician
 Airline Pilot

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

Typical Four-Year Plan

Grade 9

Mandatory Subjects	Credit
English 9	1
Health	.5
PE	.5
Math	1
Biology	1

Possible Electives:

Intro to Business & Marketing
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance

Grade 10

Mandatory Subjects	Credit
English 10	1
Math	1
World History or AP World History	1
Earth Science	1
PE	.5

Possible Electives:

Intro to Business & Marketing
 Algebra II
 Probability and Statistics
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I
 Intro to Building Construction
 Materials & Processes I
 Introduction to Woods
 Trigonometry
 Precalculus
 Introduction to Engineering Design

Grade 11

Mandatory Subjects	Credit
English 11 or AP Eng Lang	1
US Hist. or AP US Hist.	1
Math	1
Physical Science, Physics or Chemistry	1
PE	.5
Financial Lit & Empl	.5

Possible Electives:

Intro to Business & Marketing
 Physics or AP Physics I
 Algebra II
 Probability and Statistics
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I & II
 Intro to Building Construction
 Construction Trades I
 Materials & Processes I & II
 Supermileage Vehicle
 Introduction to Woods
 Cabinet & Furniture Making
 Precalculus
 Chemistry or AP Chemistry
 Trigonometry
 Shop Math 1 & 2 (TC)
 Environmental Science ES
 Introduction to Engineering Design

Grade 12

Mandatory Subjects	Credit
English Elective	1
Civics and Social Studies Elective <u>or</u> AP US Gov't Politics	1

Possible Electives:

Intro to Business & Marketing
 Physics or AP Physics I
 Algebra II
 Probability and Statistics
 Oral Communication (TC)
 Business Computer Applications
 IT Fundamentals
 Applied Technology
 Home & Auto Maintenance
 Engines & Power Systems I & II
 Intro to Building Construction
 Construction Trades I & II
 Materials & Processes I & II
 Print Reading & GMAW (TC)
 Ag/Tech Independent Study
 Supermileage Vehicle
 Introduction to Woods
 Cabinet & Furniture Making
 Precalculus
 AP Calculus
 Chemistry or AP Chemistry
 Trigonometry
 Shop Math 1 & 2 (TC)
 Environmental Science ES
 Psychology or AP Psychology
 Introduction to Engineering Design