

Agriculture, Food & Natural Resources careers encompass the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Agricultural Chemical Dealer Agricultural Educator Aquaculturalist Bank/Loan Office Botanist Ecologist

Possible Careers

Environmental Compliance-Assurance Manager Environmental Engineer Equine Manager Farm Manager Fish and Game Officer Health and Safety Sanitarian

Meat Cutter-Meat Grader Park Manager Plant Pathologist Produce Buyer Recycling Technician Wildlife Manager Veterinarian

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Career Planning	Science	Animal Behavior
	College Skills for Success		AP Biology
English*	AP Language		Chemistry
	AP Literature		AP Chemistry
Family and Consumer Sciences	Consumer Economics		Earth & Space
	Culinary Arts		Ecology
	Career Internship		AP Environmental
World Languages	German		Geology
	Spanish		Physics
Math	Probability & Statistics		AP Physics
	AP Statistics	Social Studies	Economics
			AP Economics Micro/Macro
			AP European History
			Geography
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Science Club, Bass Fishing, Chemistry Club (AAS)



Architecture & Construction careers encompass designing, planning, managing, building and maintaining the built environment.

Architect Carpenter Civil Engineer Construction Foreman/Manager Contractor Demolition Engineer Drafter Drywall Installer

Possible Careers

- Electrician Electronic Systems Technician Equipment/Material Manager General Contractor/Builder Heating, Ventilation, Air Conditioning and Refrigeration Mechanic Interior Designer Painter
- Paperhanger Plumber Project Estimator Project Inspector Roofer Safety Director Sheet Metal Worker Tile and Marble Setter

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Building Construction	World Languages	French
	CAD		German
	Architectural CAD		Spanish
	Mechanical CAD	Math	Analytical Geometry
	Computer Networking		AP Calculus
	Electronics		Probability & Statistics
	Engineering Concepts		AP Statistics
	House Wiring		Trigonometry
	Career Internship	Science	Animal Behavior
	Welding & Fabrication		Chemistry
	Woodworking		Earth & Space
	Wood Finishing		Ecology
Art	Art & Design		AP Environmental
	Interdisciplinary Geometry		Physics
Business	Business Law		AP Physics
	Computer Applications	Social Studies	Chicago History
	Word Applications/Keyboarding		Economics
English*	AP Language		AP Economics Micro/Macro
	AP Literature		AP European
Family and Consumer Sciences	Apparel & Interior Design		Geography
·	· · · · ·		Psychology
			AP Psychology
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, World-Wide Youth in Science and Engineering, Science Club, Woods Club, Play Tech Crew



Arts, A/V Technology & Communications careers encompass designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Actor Audio-Video Designer Audio-Video Engineer Broadcast Technician Commercial Artist Computer Animator

Possible Careers

Curator/Gallery Manager Director and Coach Fashion Designer Journalist Lithographer Musician

Printing Equipment Operator Telecommunication Technician Videographer Web Page Designer

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Computer Maintenance & Repair	English Cont'd	Mythology
	Computer Networking		Shakespeare
	Electronics		Writing Fiction & Poetry
	Graphic Arts	Family and Consumer Sciences	Apparel & Interior Design
	Career Internship		Fashion
Art	Advertising Art	World Languages	French
	Art & Design		German
	Ceramics		Latin
	Computer Art		Spanish
	Drawing	Math	Probability & Statistics
	Illustration		AP Computer Science
	Interdisciplinary Geometry		AP Statistics
	Jewelry	Music	Band
	Painting		Choir
	Photography		Guitar
	Sculpture		Music Tech & Business
	AP Studio Art		Music Theory
Business	Career Planning		AP Music Theory
	Computer Applications		Orchestra (CS)
	Web Page Design		Percussion
	Word Applications/Keyboarding	PE	Dance I & II
English	Acting & Theater	Science	Chemistry
	British Literature		AP Chemistry
	Popular Literature	Social Studies	Economics
	Rhetoric of Cinema		AP Economics Micro/Macro
	College Prep Writing		AP European History
	Contemporary Literature		Psychology
	Debate		AP Psychology
	Journalistic Writing		Sociology
	AP Language		World History
	AP Literature		AP World History
	Mass Media/Broadcasting		

Aligned Co-Curricular Activities

Skills USA, Group Interpretation/Contest Play, Speech, Debate Team, Band, Jazz Band (AAS), Literary Magazine, Newspaper, Orchesis, Orchestra, Theatre, Yearbook, Anime Club (CS), Color Guard (AAS), Flag Corp, Winter Guard, Graphic Arts Club (CS), Radio Club (AAS & CS), Art Club, Drama Club, Man Choir (VJA), Madrigals (AAS), Business Casual (AAS), Variety Show (VJA), Business Professionals of America (CS & VJA), Cinema Club (AAS)



Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

Administrative Assistant Advertising Sales Person Auditor Business Consultant Certified Public Accountant Corporate Trainer E-Commerce Analyst

Possible Careers

- Entrepreneur Facilities Manager Finance Director Human Resources Manager Investment Executive Marketing Analyst Medical Transcriptionist
- Office Manager OSHA/ADA Compliance Officer Personnel Recruiter Public Relations Manager Sales Representative Wholesale and Retail Buyer

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Graphic Arts	Math	Analytical Geometry
Art	Advertising Art		AP Calculus
Business	Accounting		Probability & Statistics
	Advertising		AP Statistics
	Computer Applications		Trigonometry
	Entrepreneurship	Science	AP Biology
	General Business		Chemistry
	Career Internship		AP Chemistry
	Sports & Entertainment		AP Environmental
	Marketing		
	Web Page Design		Physics
	Word		AP Physics
	Application/Keyboarding		
English*	AP Language	Social Studies	Economics
	AP Literature		AP Economics Micro/Macro
Family and Consumer Sciences	Consumer Economics		AP European
World Languages	French		Geography
	German		Psychology
	Spanish		AP Psychology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Distributive Education Clubs OF America, Business Professionals of America, Prom Committee, Occupational Information Education Club (CS), Foreign Language Clubs; Business Club (AAS)



Education & Training careers encompass planning, managing and providing education and training services, and related learning support services.

	Possible Careers	
Administrator	Coach	
Assessment Specialist	College/University Faculty	
CareerTech Administrator	Counselor	
Child Care Worker	Curriculum Developer	
Clinical Psychologist	Elementary Teacher	

High School Teacher Middle School Teacher Principal Speech-Language Pathologist

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Computer Applications	Science	AP Biology
	Word Applications/Keyboarding		Chemistry
English*	AP Language		AP Chemistry
	AP Literature		Geology
Family and Consumer Sciences	Child Development		Physics
	Consumer Economics		AP Physics
	Cosmetology	Social Studies	Economics
	Early Childhood Education		AP Economics Micro/Macro
	Career Internship		AP European
	Parenting		Geography
	Teaching Internship		Psychology
World Languages	Spanish		AP Psychology
Math	Probability & Statistics		Sociology
	AP Statistics		World History
PE/Health	Junior Leaders		AP World History
	Lifeguarding		
	PEOPEL Tutor		
	PEOPEL Tutor Training		
	Senior Leaders		
	Sports Medicine		

Aligned Co-Curricular Activities

Skills USA, Mathletes, Mu Alpha Theta, Student Council, First Class Leader (CS), Freshmen Homeroom Leaders (VJA), Friendship Connection (CS), The Hangout (VJA), Diversity Club (VJA); Class Councils; Extra Mile (AAS); International Club (AAS); Social Action Club (AAS); CEC (Council for Exceptional Children) (AAS)



Finance careers encompass planning, services for financial and investment planning, banking, insurance, and business financial management.

- Abstractor Accountant Actuary Bill and Account Collector Commodities Representative Controller Credit Analyst
- Possible Careers Debt Counselor Economist Financial Planner Foreign Exchange Manager Fund Raiser Insurance Broker Internal Auditor
- Loan Officer Non-Profit Manager Tax Examiner Title Researcher and Examiner Treasurer Trust Officer Underwriter

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Accounting	Math	Analytical Geometry
	Computer Applications		AP Calculus
	Entrepreneurship		Probability & Statistics
	General Business		AP Statistics
	Career Internship		Trigonometry
	Sports & Entertainment Marketing	Science	AP Biology
	We Page Design		Chemistry
	Word Applications/Keyboarding		AP Chemistry
English*	AP Language		AP Environmental
	AP Literature		Physics
Family and Consumer Sciences	Consumer Economics		AP Physics
World Languages	French	Social Studies	Economics
	German		AP Economics Micro/Macro
	Spanish		AP European
			Geography
			Psychology
			AP Psychology
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Distributive Education Clubs of America, Junior Achievement (CS), Business Professionals of America; Business Club (AAS)



Government & Public Administration careers encompass executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Ambassador Bank Examiner City Manager Combat Control Officer Commissioner Cryptographer Possible Careers Election Supervisor Elected Official Foreign Service Officer Immigration Officer Intelligence Analyst Internal Revenue Investigator

Lobbyist National Security Advisor Planner Policy Advisor Tax Policy Analyst

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Computer Applications	Science	AP Biology
	Information Management		Chemistry
English*	AP Language		AP Chemistry
	AP Literature		Ecology
Family and Consumer Sciences	Consumer Economics		AP Environmental Science
World Languages	French		Earth & Space
	German		Physics
	Spanish		AP Physics
Math	Dependent on specific pathway	Social Studies	Economics
			AP Economics Micro/Macro
			AP European
			Geography
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Youth in Government, Student Council, Class Officers, Model UN, Speech, Debate, Foreign Language Clubs; Class Councils; Social Action Club (AAS)



Health Science careers encompasses planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Possible Careers				
Dental Assistant/Hygienist	Athletic Trainer	Physician's Assistant		
EMT/Paramedic	Biochemist	Psychologist		
Health Information Coder	Biostatistician	Radiologist		
Home Health Aide	Geneticist	Recreation Therapist		
Lab Technician	Industrial Hygienist	Research Scientist		
Phlebotomist	Nutritionist	Speech/Language Pathologist		
Radiographer	Occupational Therapist	Toxicologist		
Registered Nurse	Physician (MD/DO)	Veterinarian		

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Career Planning	PE/Health	Fitness & Nutrition
	Computer Applications		Lifeguarding
	Information Management		Sports Medicine
English*	AP Language		Strength & Conditioning
	AP Literature		PEOPEL
Family and Consumer Sciences	Fitness & Nutrition	Science	Anatomy & Physiology
World Languages	French		Dependent on specific pathway
	Latin	Social Studies	Economics
	Spanish		AP Economics Micro/Macro
Math	Dependent on specific pathway		AP European
			Geography
			Psychology
			AP Psychology
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, World-Wide Youth In Science and Engineering, Sports Medicine Club, Science Club, Snowball, Swim Guard, Foreign Language Clubs; Peer Mediation (AAS &VJA)

*To satisfy the graduation requirement, seniors are required to enroll in one category A (Reading/Literature) English elective and one category B (Writing/Speaking/Listening/Research) English elective. Students are encouraged to reference the course descriptions on page 40 to determine which English electives best relate to their interests and/or future career plans."



Hospitality & Tourism careers encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

Baker Bartender Casino Manager Caterer Concierge Convention Services Manager Director of Operations – Lodging Possible Careers Director of Tourism Development Event Planner Executive Chef Facilities Manager Maitre d' Museum Director Reservations Manager

Restaurant Owner/Manager Sports Promoter Theme Park Manager Tour and Travel Guide Travel Agent Wine Steward

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Career Planning	PE/Health	Challenge Education
	Computer Applications	Science	Earth & Space
	Information Management	Science	AP Environmental Science
English*	AP Language		Geology
	AP Literature	Social Studies	Economics
Family and Consumer Sciences	Consumer Economics		AP Economics Micro/Macro
	Culinary Arts		AP European
	Career Internship		Geography
World Languages	French		Psychology
	German		AP Psychology
	Spanish		Sociology
Math	Probability & Statistics		World History
	AP Statistics		AP World History

Aligned Co-Curricular Activities

Skills USA, Bass Fishing, Project Diversity (VJA), Foreign Language Clubs; International Club (AAS)



Human Services careers encompass preparing individuals for employment in career pathways that relate to families and human needs.

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Possible Careers

Emergency and Relief Worker Esthetician Funeral Director Licensed Professional Counselor Market Researcher Massage Therapist Personal Fitness Trainer School Counselor/Psychologist Small Business Owner Social Worker

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Career Planning	PE/Health	Fitness & Nutrition
	Computer Applications		Lifeguarding
	Entrepreneurship		Sports Medicine
	General Business		Strength & Conditioning
	Personal Law	Science	AP Biology
English*	AP Literature		Chemistry
	AP Language		AP Chemistry
Family and Consumer Sciences	Adult Living		Earth & Space
	Consumer Economics		Ecology
	Cosmetology		AP Environmental Science
	Child Development		Geology
	Early Childhood Education		Physics
	Fitness & Nutrition		AP Physics
	Parenting	Social Studies	Economics
World Languages	Spanish		AP Economics Micro/Macro
Math	Probability & Statistics		AP European
	AP Statistics		Geography
			Psychology
			AP Psychology
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Key Club, NHS, Student Council, Snowball, Sports Medicine Club, SADD (CS); Social Action Club (AAS); Peer Mediation (AAS & VJA)



Information Technology careers encompass building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

Animator Database Administrator Data Systems Designer E-Business Specialist Game Developer Information Technology Engineer **Possible Careers**

Media Specialist Network Administrator Network Security Analyst PC Support Specialist Programmer Software Applications Specialist Systems Administrator Telecommunications Network Technician User Support Specialist Virtual Reality Specialist Web Architect/Designer

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Computer Networking (CISCO)	Science	AP Biology
	Computer Maintenance & Repair		Chemistry
	Digital Electronics		AP Chemistry
	Graphic Arts		Earth & Space
	IROC		Ecology
Art	Advertising Art		AP Environmental Science
	Art & Design		Geology
	Computer Art		Physics
Business	Career Planning		AP Physics
	Computer Applications	Social Studies	Economics
	Information Management		AP Economics Micro/Macro
	Career Internship		AP European
	Web Page Design		Geography
English*	AP Language		Psychology
	AP Literature		AP Psychology
Math	Analytical Geometry		World History
	AP Calculus		AP World History
	AP Computer Science		
	Trigonometry		

Aligned Co-Curricular Activities

Skills USA, Anime Club (CS), Graphic Arts Club (CS), Distributive Education Clubs Of America, Business Professionals of America, Newspaper, Yearbook, Literary Magazines



Law, Public Safety, Corrections & Security careers encompass planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

	Possible Careers		
Attorney	Federal Marshall	Р	
Bomb Technician	Firefighter	Р	
Corrections Officer	Gaming Surveillance Specialist	Р	
Court Reporter	Hazardous Materials Responder	Р	
Criminal Investigator	Loss Prevention Specialist	S	
EMT	Paralegal	Y	

Park Ranger Police and Patrol Officer Probation/Parole Officer Public Information Officer Security Director Youth Services Worker

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Business	Business Law	Science	Anatomy & Physiology
	Computer Applications		AP Biology
	Career Internship		Chemistry
	Personal Law		AP Chemistry
English*	AP Language		Earth & Space
	AP Literature		Ecology
World Languages	French		AP Environmental Science
	Latin		Geology
	Spanish		Physics
PE/Health	Fitness & Nutrition		AP Physics
	Lifeguarding	Social Studies	Psychology
	Sports Medicine		AP Psychology
Math	Dependent on specific pathway		Sociology

Aligned Co-Curricular Activities

Skills USA, Youth & Government, Debate, Speech



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

Assembler Boilermaker Design Engineer Environmental Engineer Foundry Worker Freight, Stock and Material Mover Health and Safety Representative

Possible Careers

- Industrial Machinery Mechanic Inspector Labor Relations Manager Logistician Manufacturing Technician Pattern and Model Maker Production Manager
- Quality Control Technician Safety Engineer SPC Coordinator Tool and Diemaker Traffic Manager Welder

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Auto Body	Science	Anatomy & Physiology
	Auto Technology		AP Biology
	CAD		Chemistry
	Architectural CAD		AP Chemistry
	Mechanical CAD		Earth & Space
	Digital Electronics		Ecology
	Electronics		AP Environmental Science
	Engineering Concepts		Geology
	Career Internship		Physics
	Welding & Fabrication		AP Physics
Business	Computer Applications	Social Studies	Economics
English*	AP Language		AP Economics Micro/Macro
	AP Literature		AP European
Family and Consumer Sciences	Consumer Economics		Geography
World Languages	French		Psychology
	German		AP Psychology
	Spanish		World History
Math	Analytical Geometry		AP World History
	Probability & Statistics		
	AP Statistics		
	Trigonometry		

Aligned Co-Curricular Activities

Skills USA, Auto Club, Woods Club, Graphic Arts Club (CS)



Marketing, Sales & Service careers encompass planning, managing, and performing marketing activities to reach organizational objectives.

Copywriter/Designer E-Commerce Director Entrepreneur Field Marketing Representative Forecasting Manager Interactive Media Specialist Inventory Manager/Analyst Possible Careers Logistics Manager Merchandise Buyer On-line Market Researcher Public Relations Manager Promotions Manager Retail Marketing Coordinator Sales Executive

Shipping/Receiving Clerk Telemarketer Trade Show Manager Warehouse Manager Webmaster

Aligned Electives (Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	Graphic Arts	Math	Analytical Geometry
Art	Advertising Art		AP Calculus
	Art & Design		AP Computer Science
	Computer Art		Probability & Statistics
	Media & Design		AP Statistics
Business	Accounting		Trigonometry
	Business Law	Music	Music Tech & Business
	Computer Applications	Science	AP Physics
	Entrepreneurship		Physics
	General Business		Chemistry
	Sports & Entertainment		AP Chemistry
	Marketing		
	Web Page Design		AP Biology
English*	AP Language		Geology
	AP Literature		Ecology
Family and Consumer Sciences	Apparel & Interior Design		Earth & Space
	Consumer Economics		AP Environmental Science
	Career Internship	Social Studies	Economics
World Languages	French		AP Economics Micro/Macro
	German		AP European
	Spanish		Geography
	•		Psychology
			AP Psychology
			Sociology
			World History
			AP World History

Aligned Co-Curricular Activities

Skills USA, Radio Club (AAS & CS), Business Professionals of America, SADD (CS), Prom Committee, Yearbook, Pep Club, Drama Club, Literary Magazine, Newspaper, Speech, Distributive Education Clubs OF America, Class Councils; Charger Nation (AAS)



Science, Technology, Engineering & Mathematics careers encompass planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Aerospace Engineer Agricultural Engineer Analytical Chemist Anthropologist Architectural Engineer Astrophysicist Biomedical Engineer

Possible Careers CAD Technician Civil Engineer Computer Programmer Ecologist Geologist Geothermal Engineer Math Teacher

Mathematician Metallurgist Statistician Survey Technician Zoologist

Aligned Electives

(Required courses are not included.)

Department	Electives	Department	Electives
Applied Technology	CAD	Music	Music Tech & Business
	Architectural CAD	Science	Animal Behavior
	Mechanical CAD		Astronomy
	Computer Maintenance & Repair		AP Biology
	Computer Networking		Chemistry
	Engineering Concepts		AP Chemistry
	Career Internship		Earth & Space
Art	Interdisciplinary Geometry		Ecology
Business	Business Law		AP Environmental Science
	Computer Applications		Geology
	Entrepreneurship		Physics
	Personal Law		AP Physics
English*	AP Language	Social Studies	Economics
	AP Literature		AP Economics Micro/Macro
Family and Consumer Sciences	Consumer Economics		AP European
World Languages	French		Geography
	German		Psychology
	Latin		AP Psychology
	Spanish		Sociology
Math	Analytical Geometry		World History
	AP Calculus		AP World History
	AP Computer Science		
	Probability & Statistics		
	AP Statistics		
	Trigonometry		

Aligned Co-Curricular Activities

Skills USA, Mu Alpha Theta, Mathletes, Science Club, Robotics Club (CS), World-Wide Youth In Science and Engineering, Tech Crew, Radio Club (AAS & CS); Chemistry Club (AAS)