

CAREER CLUSTERS AND CAREER PATHWAYS

Career clusters are a way of grouping careers with common features and skills. Careers grouped into the same cluster typically require similar education and training. Exploring clusters can be a useful way to find a good career match, especially if you have general areas of interest but are not sure what specific careers match those interests. Career clusters can also help you better understand how your coursework in high school can prepare you for certain types of careers. More information on the sixteen clusters may be found online at <https://www.onetonline.org/find/career> or <http://careerclusters.org/>. Students can also explore careers and career clusters through Naviance (<http://connection.naviance.com/rockyhill>).

Below is a list of the 16 career clusters, the career pathway associated with the career clusters, and suggested Rocky Hill High School courses that can provide exposure to the careers. Students must meet graduation requirements, as listed in the Program of Studies.

Agriculture, Food & Natural Resources: The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products & Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural & Technical Systems Architecture & Construction

RHHS Courses: Accounting (EVT); Botany (S); Civil Engineering-Arch (EVT); CT River (S); Culinary I (EVT); Culinary II (EVT); Entrepreneurship (EVT); Horticulture (S); Intro to Bus (EVT); International Business (EVT); Marketing (EVT)

Architecture & Construction: Careers in designing, planning, managing, building and maintaining the built environment.

- Construction
- Design/Pre- Construction
- Maintenance/Operations

RHHS Courses: Advanced Materials Processing (EVT); AP Studio Art (EAMH); Advanced Studio Art (EAMH); Calculus (M); Comm-Media Literacy (E); Digital Design I & II (EAMH); Drawing I (EAMH); Interior Design (EVT); Auto & Home Maint (EVT); Materials Processing (EVT); Physics (S); PreCalculus (M); Project Lead the Way courses (EVT): Intro to Engineering; Principles of Engineering, Civil Engineering-Arch, Eng Design & Develop.

Arts, A/V Technology & Communications: Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services

- A/V Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

RHHS Courses: Advanced Materials Processing (EVT); Advanced Studio Art (EAMH); AP Studio Art (EAMH); Band (EAMH); Ceramics I & II (EAMH); Chamber Choir (EAMH); Chorale (EAMH); Computer Tech (EVT); Concert Choir (EAMH); Crafts I & II (EAMH); Creative Writing (EAMH); Desktop Publishing (EVT); Digital Design I & II (EAMH); Drawing I (EAMH); Fashion Design I & II (EVT); Film (EAMH); Jazz Band (EAMH); Journalism (E or EAMH); Marching Band (EAMH); Materials Processing (EVT); Orchestra (EAMH); Painting I & II (EAMH); Photography I & II (EAMH); Public Speaking (EAMH); Sculpture (EAMH); Shakespeare (E); Symphonic Band (EAMH); Video & Animation (EAMH); World Language (WL)

Business Management & Administration: Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions. Business Management and Administration career opportunities are available in every sector of the economy.

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

RHHS Courses: Accounting & Advanced Accounting (EVT); AP Psychology (EAMH); Business Law (EVT); Civics (SS); Entrepreneurship (EVT); Fashion Design I & II (EVT); Fashion Merchandising (EVT); Intro to Business (EVT); International Business (EVT); Marketing (EVT); Personal Finance (EVT); Psychology (EAMH); Public Speaking (EAMH); World Language (WL)

Education & Training: Planning, managing and providing education and training services, and related learning support services.

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training

RHHS Courses: AP Psychology (EAMH); Athletic Leadership I & II (EVT); Child and Adolescent Development (EVT); Civics (SS); Desktop Publishing (EVT); Early Childhood Education (EVT); Lifeguard Certification (EVT); Marriage and Family (EVT); Psychology (EAMH); Public Speaking (EAMH); UCONN Individual & Family Development (EVT); World Language (WL)

Finance: Planning, services for financial and investment planning, banking, insurance, and business financial management.

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities & Investments

RHHS Courses: Accounting (EVT); Advanced Accounting (EVT); Applied Math (M); AP Statistics (M); Civics (SS); Entrepreneurship (EVT); Independent Living (EVT); Intro to Business (EVT); Intl Business (EVT); (Personal Finance (EVT); Probability & Statistics (M); World Language (WL)

Government & Public Administration: Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration.

- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

RHHS Courses: AP Comparative Govt (SS); AP Psychology (EAMH); AP US Government (SS); Business Law (EVT); Civics (SS); Current Issues (SS); International Business (EVT); Journalism (E or EAMH); Psychology (EAMH); Public Speaking (EAMH); US History (SS); World Language (WL)

Health Sciences: Planning, managing, and providing therapeutic services, diagnostic services, health information, support services, and biotechnology research and development.

- Biotechnology Research & Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

RHHS Courses: AP Biology (S); AP Psychology (EAMH); Child & Adolescent Development (EVT); Civics (SS); Early Childhood Education (EVT); Human Anatomy & Physiology (S); Lifeguard Certification (E); Physics (S); Psychology (EAMH); UCONN Indiv & Family Development (EVT); World Language (WL)

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

- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food/Beverage Services
- Travel & Tourism

RHHS Courses: Accounting (EVT); Advanced Accounting (EVT); Culinary I & II (EVT); Entrepreneurship (EVT); Interior Design (EVT); International Business (EVT); Intro to Business (EVT); Marketing (EVT); Public Speaking (EAMH); World Language (WL)

Human Services: Preparing individuals for employment in career pathways that relate to families and human needs.

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

RHHS Courses: AP Psychology (EAMH); Child & Adolescent Development (EVT); Civics (SS); Early Childhood Education (EVT); Independent Living (EVT); Marketing (EVT); Marriage & Family (EVT); Personal Finance (EVT); Public Speaking (EAMH); Psychology (EAMH); UCONN Indiv & Family Devel (EVT); World Language (WL)

Students must enroll in classes that will meet graduation requirements. RHHS courses listed within each career cluster will meet these graduation requirements based on the following categories: (E)=English; (M)=Math; (S)=Science; (SS)=Social Studies; (WL) = World Language; (EL)=General Elective; (EAMH)=Art/Music/Humanities Elective; (EVT)=Vocational/Technical Elective; (CL)=Computer Literacy

Information Technology: Building Linkages in IT Occupations Framework: Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications

RHHS Courses: Computer Tech (EVT); Desktop Publishing (EVT); Digital Design I & II (EAMH); Engineering Design & Development (EVT); Intro to Business (EVT); Intro to Engineering (EVT); Robotics Eng & Adv Robotics (EVT); Video & Animation (EAMH)

Law, Public Safety, Corrections & Security: Planning, managing, and providing legal, public safety, protective services and home land security, including professional and technical support services.

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Legal Services
- Security & Protective Services

RHHS Courses: AP Psychology (EAMH); Business Law (EVT); Child & Adolescent Development (EVT); Civics (SS); Early Childhood Education (EVT); Forensic Science (S); Journalism (E or EAMH); Lifeguard Certification (EVT); Psychology (EAMH); Public Speaking (EAMH); US History (SS); World Language (WL)

Manufacturing: 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.

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Dev.
- Production
- Quality Assurance

RHHS Courses: Advanced Materials (EVT); Calculus (M); Chemistry (S); Entrepreneurship (EVT); Fashion Design I & II (EVT); International Business (EVT); Intro to Business (EVT); Materials Processing (EVT); Physics (S); PreCalculus (M); Project Lead the Way courses (EVT): Intro to Engineering; Principles of Engineering, Civil Engineering-Arch, Eng Design & Develop; Robotics Eng & Adv Robotics (EVT)

Marketing: Planning, managing, and performing marketing activities to reach organizational objectives.

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

RHHS Courses: AP Psychology (EAMH); Business Law (EVT); Civics (SS); Comm-Media Literacy (E); Creative Writing (EAMH); Desktop Publishing (EVT); Digital Design I & II (EAMH); Entrepreneurship (EVT); Fashion Merchandising (EVT); Intro to Business (EVT); International Business (EVT); Journalism (E or EAMH); Marketing (EVT); Photography (EAMH); Psychology (EAMH); Public Speaking (EAMH); World Language (WL)

Science, Technology, Engineering & Mathematics: 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.

- Engineering & Technology
- Science & Mathematics

RHHS Courses: Advanced Math and Science classes; AP Psychology (EAMH); Civics (SS); Computer Tech (EVT); Psychology (EAMH); Project Lead the Way courses (EVT): Intro to Engineering; Principles of Engineering, Civil Engineering-Arch, Eng Design & Develop; Robotics Eng & Adv Robotics (EVT); World Language (WL)

Transportation, Distribution & Logistics: Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

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

RHHS Courses: Entrepreneurship (EVT); Intro to Business (EVT); International Business (EVT); Intro to Auto & Home Maint (EVT); Marketing (EVT); Public Speaking (EAMH); Journalism (E or EAMH); Project Lead the Way courses (EVT): Intro to Engineering; Principles of Engineering, Civil Engineering-Arch, Eng Design & Develop; World Language (WL)