

# Career Clusters and Military Careers: Making the Connection

*Providing a simple crosswalk of O\*Net occupations to military careers, this tool is intended to help School Counselors facilitate career discussions with students interested in a career involving military service.*



ASVAB Career Exploration Program  
[www.asvabprogram.com](http://www.asvabprogram.com)

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# Career Clusters and Military Careers: Making the Connection

## Agriculture, Food & Natural Resources

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.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

Food Products and  
Processing Systems

Plant Systems

\*Animal Systems

\*Power, Structure, &  
Technical Systems

Natural Resource Systems

\*Environmental Service  
Systems

Agribusiness Systems

\*Pathways with military career opportunities

# Cluster: Agriculture, Food & Natural Resources

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Power, Structure, and Technical Systems	Mobile Heavy Equipment Mechanics	R/C	Automotive and Heavy Equipment Mechanic
Power, Structure, and Technical Systems	Pump Operators	R/C	Petroleum Supply Specialists
Environmental Service Systems	Environmental Scientists and Specialists	I/R	Environmental Health and Safety Officers
Environmental Service Systems	Environmental Science and Protection Technician	I/R	Environmental Health and Safety Specialists
Environmental Service Systems	Water and Liquid Waste Treatment Plant and Systems Operators	R/C	Water and Sewage Treatment Plant Operators
Animal Systems	Veterinarian	I/R	Veterinarian

## Mobile Heavy Equipment Mechanics (Example)

Army	<ul style="list-style-type: none"> <li>•Wheeled Vehicle Mechanic</li> <li>•Artillery Mechanic</li> <li>•Construction Equipment Mechanic</li> </ul>
Air Force	<ul style="list-style-type: none"> <li>•Vehicle &amp; Vehicle Equipment Maintenance</li> <li>•Helicopter Maintenance</li> </ul>
Navy	<ul style="list-style-type: none"> <li>•Machinist Mate</li> <li>•Construction Mechanic</li> </ul>
Marines	<ul style="list-style-type: none"> <li>•Light Armored Vehicle Mechanic</li> </ul>
Coast Guard	<ul style="list-style-type: none"> <li>•Machinery Technician</li> </ul>

- Dismantle and reassemble heavy equipment using hoists and hand tools.
- Operate and inspect machines or heavy equipment to diagnose defects.
- Clean, lubricate, and perform other routine maintenance work on equipment and vehicles.

# Career Clusters and Military Careers: Making the Connection

## Architecture & Construction

This diverse career cluster prepares learners for careers in designing, planning, managing, building, and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Design and  
Preconstruction

\*Construction

\*Maintenance  
Operations

\*Pathways with military career opportunities

## Cluster: Architecture & Construction

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Construction	Electrician	R/I	Building Electricians
Construction	Civil Engineers, Construction Managers	R/I E/R	Civil Engineers
Construction	Operating Engineers and Other Construction Equipment Operators	R/C	Construction Equipment Operators
Construction	Carpenters, brick masons, block masons, Drywall and tile installers, Roofers	R/C R/E	Construction Specialists
Construction	Plumbers, Pipefitters, Steamfitters	R/C/I	Plumbers and Pipe Fitters
Design and Pre-Construction	Operational Research Analysts	I/C	Industrial Engineers
Design and Pre-Construction	Architectural and Civil Drafters, Civil Engineering Technicians, Cartographic Specialists, Photogrammetrists, Electrical Drafters, Surveyors	R/I R/C C/R I/E	Surveying, Mapping, and Drafting Technicians
Maintenance and Operations	Crane and Tower Operators, Material Moving Occupations	R/C	Cargo Specialists
Maintenance and Operations	Hazardous Materials Removal Workers	I/R	Environmental Health & Safety Specialists
Maintenance and Operations	Explosives Workers, Ordnance Handling Experts, and Blasters	R/C	Ordnance Specialists

### *Type and Environment!*

*Military occupations provide individuals an opportunity to explore fit with both interest type and working environment.*

Military Occupation Title	Service	Service Occupation Title
<b>EXAMPLE</b> Building Electrician	USA	Aircraft Electrician, Interior Electrician, Armament/Electrical/ Avionics System Repairer, Power Distribution Specialist
	USAF	Electrical Power Production, Electrical Systems Apprentice, Aircraft Electrical and Environmental System Apprentice
	USCG	Electricians Mate, Electronics Technician
	USMC	Avionics, Aircraft Maintenance
	USN	Construction Electrician, Electronics Technician

# Career Clusters and Military Careers: Making the Connection

## Arts, Audio/Video Technology & Communication

This cluster exposes students to careers that involve designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Audio & Video  
Technology and Film

\*Journalism and  
Broadcasting

\*Performing Arts

\*Printing Technology

\*Telecommunications

Visual Arts

\*Pathways with military career opportunities

# Cluster: Arts, Audio/Video Technology & Communication

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Performing Arts	Producers, Directors	A/E	Audiovisual and Broadcast Directors
Performing Arts	Music Directors	A/E/S	Music Directors
Performing Arts	Musicians	A/E	Musicians
Audio and Video Technology and Film	Audio and Video Equipment Technicians, Broadcast Technicians, Sound Engineering Technicians, Camera Operator	C/S R/A A/R	Audiovisual and Broadcast Technicians
Journalism and Broadcasting	Reporters and Correspondents, Broadcast News Analyst, Radio and TV announcers	A/I A/S	Broadcast Journalists and News writers
Journalism and Broadcasting	Photographer, Photographic Process Workers	A/R R/C	Photographic Specialists
Telecommunications	Telecommunications Line Installers and Repairers	R/C	Communications Equipment Operators
Printing Technology	Graphic Designers Fine Artists, Illustrator	A/R/E A/R	Graphic Designers and Illustrators
Printing Technology	Printing Machine Operators Job Printers	R/C C/R	Printing Specialists

Sample Crosswalk	Air Force	Army	Navy
Audio and Video Equipment Technician	Radio and Television Broadcasting Apprentice 	Visual Information Equipment Operator-Maintainer 	Journalist 
Broadcast Technician			
Sound Engineering Technician			
Camera Operator	Aerial Photographer	Combat Documentation/Production Specialist	Photographers Mate

# Career Clusters and Military Careers: Making the Connection

## Business Management & Administration

The Business Management and Administration cluster prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*General  
Management (GM)

\*Business Information  
Management (BIM)

\*Human Resources  
Management (HRM)

\*Operations  
Management (OM)

\*Administrative  
Support (AS)

\*Pathways with military career opportunities

# Cluster: Business Management & Administration

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
AS	Correspondence Clerks, Secretaries, Administrative Assistants, Clerks, Receptionists	C/E	Administrative Support Specialists
AS	Bookkeeping, Accounting, and Auditing Clerks	C/E	Finance and Accounting Specialists
AS	Legal Secretaries	C/E	Legal Specialists and Court Reporters
BIM	Computer and Information Systems Managers	E/C	Computer Systems Officers
BIM	Public Relations Specialists	E/A	Public Information Officers
BIM	Management Analysts	I/E/C	Management Analysts and Planners
GM	Administrative Services Managers	E/C	Administrative Officers
GM	Medical and Health Services Managers	E/S	Health Services Administrators
GM	Purchasing Managers	E/C	Purchasing and Contracting Officers
HRM	Personnel Recruiters	E/S	Recruiting Managers and Specialists
HRM	Human Resources Managers	E/S	Personnel Managers
HRM	Human Resources Assistants	C/E	Personnel Specialists
<b>OM</b>	<b>Accountants and Auditors, Budget Analysts, Financial Analysts, Financial Managers, Controllers, CFOs</b>	<b>C/E I/C E/C</b>	<b>Finance and Accounting Managers</b>
OM	Logistician	I/E	Logisticians
OM	Transportation, Storage, and Distribution Managers	E/C	Transportation Managers
OM	Cargo and Freight Agents	C/R	Transportation Specialists
OM	Shipping, Receiving, and Traffic Clerks	C/R	Warehouse and Distribution Specialists

USAF

- Financial Management Officer
- Cost Analysis Officer
- Contracting Officer

USN

- Supply Corps Officer

USA

- Finance Corps Officer

Officer



# Career Clusters and Military Careers: Making the Connection

## Education & Training

This diverse career cluster prepares learners for careers in planning, managing, and providing education and training services, and related learning support services.

\*Administration  
and  
Administrative  
Support

\*Professional  
Support  
Services

\*Teaching and  
Training



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Pathways with military career opportunities

## Cluster: Education & Training

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Administration and Administrative Support	Instructional Coordinators	S/I	Training and Education Directors
Professional Support Services	Psychologists	I/S/A	Clinical Psychologist
Professional Support Services	Education, Vocation, and School Counselor	S/A	Caseworkers and Counselors
Professional Support Services	Interpreters and Translators	A/S	Interpreters and Translators
Teaching and Training	English Language and Literature Teachers, Postsecondary; Foreign Language and Literature Instructors, Postsecondary;	A/S	Teachers and Instructors

After you've established yourself as an expert in your primary job, you could pursue a path in education and training as an instructor or training developer.



*Once you've achieved some seniority in the Navy, your job will be to share what you've learned with junior personnel. You may be in the bowels of a nuclear submarine performing a hands-on training demonstration or in a more formal classroom environment leading a group discussion. Whatever the setting, your never-ending desire to learn and discover, and motivate others to do the same, makes you the perfect candidate to fill a role in the U.S. Navy's education community.*

# Career Clusters and Military Careers: Making the Connection

## Finance

The Finance cluster prepares learners for careers in financial and investment planning, banking, insurance and business financial management.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

Securities and  
Investments

\*Business Finance

\*Accounting

Banking Services

Insurance

\*Pathways with military career opportunities

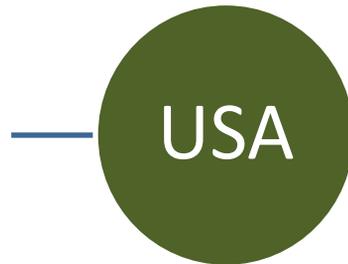
# Cluster: Finance

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Business and Finance	Financial Analysts, Controllers, CFOs	I/C, E/C	Finance and Accounting Managers
Accounting	Accountants and Auditors	C/E	

***Same careers are also listed under the Business Management & Administration cluster***



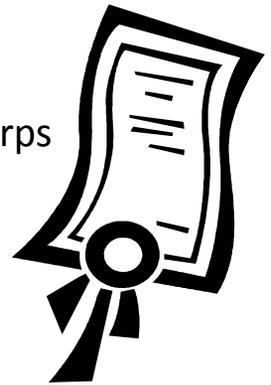
- Financial Management Officer
- Cost Analysis Officer
- Contracting Officer



- Finance Corps Officer



- Supply Corps Officer



*Officer Careers require a four-year college degree. Students may pursue a commission after completing a college degree (Officer Candidate School), on scholarship while completing a college degree (Reserve Officer Training Corps), or while enlisted in the military through a commissioning program (after degree completion while in service).*

# Career Clusters and Military Careers: Making the Connection

## Government & Public Administration

There are thousands of challenging educational and training opportunities within the high-skilled world of Government and Public Administration. Learners need a solid background in social studies, political science, foreign language and history.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

Governance

\*National Security

\*Foreign Service

Planning

\*Revenue and Taxation

Regulation

Public Management and  
Administration

\*Pathways with military career opportunities

# Cluster: Government and Public Administration

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Foreign Service	Political Scientist	I/A	International Relations Officers
National Security	Administrative Services Managers	E/C	Administrative Officers
National Security	Air Crew Members	R/C	Air Crew Members
National Security	Air Crew Officers	R/C	Air Traffic Control Managers
National Security	Air Craft Launch & Recovery Specialists	R/C	Aircraft Launch & Recovery Specialists
National Security	Armored Assault Vehicle Crew Members	R/C	Armored Assault Vehicle Crew Members
National Security	Armored Assault Vehicle Officers	E/R	Armored Assault Vehicle Officers
National Security	Artillery and Missile Crew Members	R/C	Artillery and Missile Crew Members
National Security	Artillery and Missile Officers	E/R	Artillery and Missile Officers
National Security	Command/Control Center Officers	E	Combat Mission Support Officers, Communications Managers, Intelligence Officers
National Security	Command/Control Center Specialists	R/C	Radar and Sonar Operators
National Security	Emergency Management Specialists	R/E	Emergency Management Officers and Specialists
National Security	Infantry	R/C	Infantry
National Security	Infantry Officers	E/R	Infantry Officers
National Security	Public Relations Specialists	E/A	Public Information Officers
National Security	Special Forces	R/E	Special Forces
National Security	Special Forces Officers	E/R	Special Forces Officers
Revenue and Taxation	Financial Analysts, Controlllers, Accountants, Auditors, CFOs	C/E E/C	Finance and Accounting Managers

**Many occupations that exist in the military services are not found in the “Government & Public Administration” Cluster:**

- Submarine or Ship Captain – “Transportation , Distribution, Logistics”
- Interpreter/Translator – “Hospitality & Tourism” & “Education and Training”

**Military service careers are found in multiple “non-Government” Career Clusters:**

- Civil Engineers – “Architecture and Construction” & “STEM”
- Ordnance Specialists – “Agriculture, Food, and Natural Resources” & “Architecture and Construction”

# Career Clusters and Military Careers: Making the Connection

## Health Science

The Health Science career cluster orients students to careers that promote health and wellness, and diagnose as well as treat injuries and disease.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Therapeutic Services (TS)

\*Diagnostic Services (DS)

\*Health Informatics (HI)

\*Support Services (SS)

Biotechnology Research and Development (BRD)

\*Pathways with military career opportunities

## Cluster: Health Science

PW	O*Net Occupation Title	Code	Military Occupation Title
DS	Cardiovascular Technologists and Technicians (Techs)	I/R	Cardiopulmonary and EEG Tech
DS	Dental Laboratory Techs, Ophthalmic Laboratory Techs	R/I R/C	Dental and Optical Laboratory Techs
DS	Medical and Clinical Laboratory Techs & Technologists	R/I I/R	Medical Laboratory Techs
DS	Optometrists	I/R	Optometrists
DS	Dentists	I/R	Dentists (1)
TS	Oral and Maxillofacial Surgeons, Orthodontists		
DS	Diagnostic Medical Sonographers, Nuclear Medicine Technologists, Radiological Techs	R/I I/R	Radiologic (X-Ray) Techs (1)
TS	Radiation Therapist	S/R	
TS	Mental Health, Substance Abuse and Behavioral Counselors	S/I	Caseworkers and Counselors
TS	Dental Laboratory Techs, Dental Hygienists	R/I S/C	Dental Specialists
TS	EMTs and Paramedics, Surgical Technologist	S/R	Medical Service Techs
<b>TS</b>	<b><i>Licensed Practical and Vocational Nurses, Medical Appliance Techs, Medical Assts, Medical Equipment Preparers, Nursing &amp; Psychiatric Aides, Respiratory Therapist</i></b>	<b><i>S/R R/I S/C R/C</i></b>	<b><i>Medical Care Techs (2)</i></b>
TS	Pharmacists	I/C	Pharmacists
TS	Pharmacist Techs	C/R	Pharmacy Techs
TS	Physical Therapist s, Physical Therapist Aides	S/R	Physical and Occupational Therapists
TS	Occupational Therapist Aides	S/R	Physical and Occupational Therapy Specialists
TS	Physicians Assts	I/S	Physicians Assistants
TS	Surgeons, Anesthesiologists, Family and General Practitioners, Pediatricians, Psychiatrists	I/R I/S	Physicians and Surgeons
TS	Registered Nurse	S/I	Registered Nurse
SS	Dietitians and Nutritionists	I/E	Dietitians
HI	Medical and Health Services Managers	E/S	Health Services Administrators
HI	Medical Records and Health Information Techs , Medical Transcriptionists	C/R C/E	Medical Record Techs

--- Multiple Pathways can be represented by a single career.

\_\_\_ Diverse military careers may encompass several civilian specialties/occupations.

# Career Clusters and Military Careers: Making the Connection

## Hospitality and Tourism

The Hospitality and Tourism cluster prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreational events and travel-related services.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

Lodging

\*Restaurants and  
Food /Beverage  
Services

\*Recreation,  
Amusements &  
Attractions

\*Travel & Tourism

\*Pathways with military career opportunities

# Cluster: Hospitality and Tourism

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Restaurants and Food/Beverage Services	Food Service Managers	E/S/C	Food Service Managers
Restaurants and Food/Beverage Services	Bakers, Chefs and Head Cooks, Cooks, Food Preparation Workers	R/C E/R	Food Service Specialists
Travel & Tourism	Interpreters and Translators	A/S	Interpreters and Translators
Travel & Tourism	Reservations and Transportation Ticket Agents, Travel Clerks	C/E	Transportation Specialists
Recreation, Amusements & Attractions	Recreation Workers	S/R/A	Recreation, Welfare, and Morale Specialists



In the Navy, you may ...”Find yourself preparing a gourmet feast for leaders of other nations. Gather your crew on the ship’s flight deck for an impromptu barbecue. Present your signature seafood dish to hundreds of dinner event guests. Whether you’re serving those on a ship or submarine, or on shore, your work will be challenging, engaging and appreciated.”

<http://www.navy.com/navy/careers/service-safety/food-restaurant-lodging.html>

# Career Clusters and Military Careers: Making the Connection

## Human Services

This diverse Career Cluster prepares individuals for employment in career pathways related to families and human needs.

Early Childhood  
Development & Services

\*Counseling & Mental  
Health Services

\*Family & Community  
Services

Personal Care Services

Consumer Services



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Pathways with military career opportunities

# Cluster: Human Services

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Family & Community Services	Substance Abuse and Behavioral Disorder Counselors	S/I	Caseworkers and Counselors
Family & Community Services	Directors, Religious Activities and Education	S/E	Chaplains
Family & Community Service	Child, Family, and School Social Workers, Medical and Public Health Social Workers	S/A/E S/I	Social Workers
Counseling & Mental Health Services	Clinical Psychologists, Counseling Psychologists	I/S/A S/I	Psychologists



“ When you join the Army Chaplain Corps, you'll become part of a dedicated group of men and women of faith whose responsibility is to serve the spiritual needs of Soldiers and their families. This profound and life-changing ministry is for those who share a strong, abiding passion for God and his people and want to positively affect the men and women who dedicate their time to their country.”

Army Chaplains Corps Information & Chaplain Profiles:

www. <http://www.goarmy.com/content/goarmy/chaplain.html>

# Career Clusters and Military Careers: Making the Connection

## Information Technology

IT careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Network Systems

\*Information  
Support and  
Services

\*Web and Digital  
Communications

\*Programming  
and Software  
Development

\*Pathways with military career opportunities

# Cluster: Information Technology

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Information Support and Services	Computer and Information Systems Managers, Computer Systems Analyst	E/C I/C	<b>Computer Systems Officers</b>
Programming and Software Development	Computer Programmers, Computer Software Engineers	I/R R/I/C	
Network Systems	Computer Security Specialists	I/R	
Web and Digital Communications	Graphic Designers, Multimedia Artists and Illustrators	A/E A/R	Graphic Designers and Illustrators
Information Support and Services	Database Administrators	I/C	<b>Computer Systems Specialists</b>
Programming and Software Development	Computer Programmers	I/R	
Network Systems	Computer Security Specialists, Computer Support Specialists, Network Systems and Data Communications Analysts	I/R I/C/R	

## **Computer systems specialists (*Enlisted personnel*)** in the military:

- Install, configure, and monitor LAN and WAN, hardware, and software
- Collect, enter, and process information using computers
- Provide customer and network administration services
- Use computer programs to solve problems
- Determine and analyze computer systems requirements
- Develop, test, and debug computer programs
- Provide system analysis and maintenance
- Implement procedures to ensure computer and network security



# Career Clusters and Military Careers: Making the Connection

## Law, Public Safety, Corrections and Security

The Law, Public Safety, Corrections and Security Cluster helps prepare students for careers in planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.

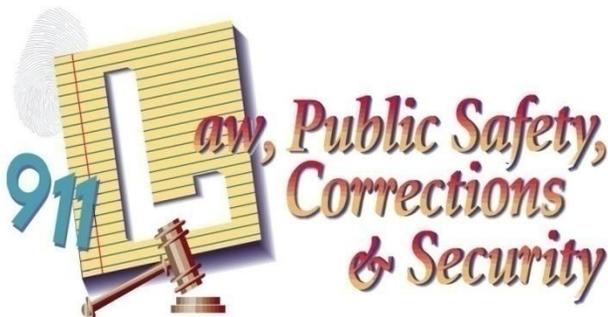
\*Correction Services

\*Emergency and Fire Management Services

Security and Protective Services

\*Law Enforcement Services

\*Legal Services



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Pathways with military career opportunities

# Cluster: Law, Public Safety, Corrections & Security

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Emergency and Fire Management Services	Emergency Management Specialists	R/E	Emergency Management Officers
Emergency and Fire Management Services	Firefighters, Fire Inspectors	R/S C/R	Firefighters
Emergency and Fire Management Services	Emergency Management Specialists	R/E	Emergency Management Specialists
Law Enforcement Services	Immigration and Customs Inspectors	C/E	
Law Enforcement Services	Police Identification and Records Officers, Sheriffs and Deputy Sheriffs	C/R S/E/R	Law Enforcement and Security Officers
Law Enforcement Services	Bailiffs, Detectives and Criminal Investigators, Police Patrol Officers, Security Guards	S/E R/S/E E/C	
Correction Services	Corrections Officers and Jailers	R/S	Law Enforcement and Security Specialists
Legal Services	Judges, Magistrate Judges, and Magistrates, Lawyers	E/S E/C	Lawyers and Judges
Legal Services	Court Reporters, Legal Secretaries, Paralegals and Legal Assistants	A/C/S C/E E/C	Legal Specialists and Court Reporters

## I want to be a police officer. What kind of training would I receive in the Air Force?

Following completion of Basic Military Training, you'll attend the Air Force Security Forces Academy. This 65-day course teaches the fundamentals of integrated base defense, along with security and convoy operations, protection of nuclear weapons and law enforcement. As you gain experience in Security Forces, new levels of responsibilities and training become available for jobs such as military working dog handler and combat arms specialist. More advanced training includes military police investigator, traffic accident investigator, sensor system operator, and close precision engagement (sniper) team member. You may even volunteer for airborne operations training if assigned to one of three select Security Forces units in the United States, Europe and Pacific.

[http://www.airforce.com/pdf/security\\_forces.pdf](http://www.airforce.com/pdf/security_forces.pdf)



**Bright Outlook**

<http://online.onetcenter.org/link/summary/33-3051.01>

# Career Clusters and Military Careers: Making the Connection

## Manufacturing

The Manufacturing Cluster prepares students for careers in planning, managing, and performing the processing of materials into intermediate and final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

\*Production

\*Manufacturing Production  
Process Development

\*Maintenance, Installation  
& Repair

Quality Assurance

Logistics and Inventory  
Control

\*Health, Safety and  
Environmental Assurance



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Pathways with military career opportunities

## Cluster: Manufacturing

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Production	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	R/C	Aircraft Mechanics
Production	Machinists	R/I	Machinists
Production	Production, Planning, and Expediting Clerks,	C/E	Preventative Maintenance Analysts
Production	Welders, Cutters, Solderers, and Brazers	R/C	Welders and Metal Workers
Maintenance, Installation & Repair	Mobile Heavy Equipment Mechanics	R/C	Automotive and Heavy Equipment Mechanics
Maintenance, Installation & Repair	Electrical Motor, Power Tool, and Related Repairers	R/C	Electrical Products Repairers
Maintenance, Installation & Repair	Computer, Automated Teller, and Office Equipment Repairers	R/C	Electronic Instrument and Equipment Repairers
Manufacturing Production Process Development	Mechanical Engineering Technicians	R/I	
Manufacturing Production Process Development	Electronic Engineering Technicians	R/I	Power Plant Electricians
Manufacturing Production Process Development	Nuclear Power Reactor Operators, Power Plant Operators	R/C	Power Plant Operators
Health, Safety and Environmental Assurance	Environmental Science and Protection Technicians, Occupational Health and Safety Specialists	I/R S/E	Environmental Health and Safety Specialists

**While manufactured products are not created in the military services, individuals repair, maintain, and operate equipment and systems in extreme isolation (deployed overseas, underway at sea) under austere conditions . As such, service men and women may have unique duties and responsibilities that require complex technical skill sets of occupations found in the Manufacturing Cluster.**

# Career Clusters and Military Careers: Making the Connection

## Marketing

This diverse career cluster prepares learners for careers in planning, managing, and performing marketing activities to reach organizational objectives.

\*Marketing Management

\*Professional Sales

\*Merchandising

Marketing Communication

Marketing Research



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Pathways with military career opportunities

## Cluster: Marketing

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Merchandising	Cashiers	C/E	Sales and Stock Specialists
Merchandising	Purchasing Agents and Buyers	E/C	Purchasing and Contracting Managers
Merchandising	Stock Clerks	C/R	Warehousing and Distribution Specialists
Marketing Management	Office Clerks	C/E/R	Administrative Support Specialists
Professional Sales	Retail Salesperson	E/S	Sales and Stock Specialists
Professional Sales	Reservations and Transportation Ticket Agents and Travel Clerks	C/E	Transportation Specialists

Conventional “Holland Types” can find a variety of office positions in the military services.

You might imagine that military filing systems are extensive, but did you know the individual service and medical records may soon be electronic?



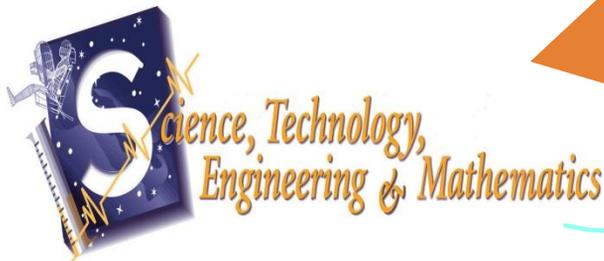
# Career Clusters and Military Careers: Making the Connection

## Science, Technology, Engineering & Mathematics

A career in STEM is exciting, challenging, and ever-changing. Learners who pursue these fields will be involved in planning, managing, and providing scientific research and professional and technical service including laboratory and testing services, and research and development services

\*Engineering & Technology

\*Science & Math



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)



\*Pathways with military career opportunities

# Cluster: Science, Technology, Engineering & Mathematics

Pathway	O*Net Occupation Title	RIASEC	Military Occupation Title
Engineering & Technology	Aerospace Engineers, Mechanical Engineers	I/R/C R/I	Aerospace Engineers
Engineering & Technology	Civil Engineers	R/I	Civil Engineers
Engineering & Technology	Electrical Engineers, Electronics Engineers	R/I I/R	Electrical and Electronic Engineers
Engineering & Technology	Electronic Engineering Technicians, Electrical and Electronic Repairers	R/I	Electrical Instrument and Equipment Repairers
Engineering & Technology	Industrial Engineers, Mathematicians	E/I I/C	Industrial Engineers
Engineering & Technology	Marine Engineers and Naval Architects	R/I	Marine Engineers
Engineering & Technology	Nuclear Engineers	I/R	Nuclear Engineers
Engineering & Technology	Electro-Mechanical Technicians	R/I	Unmanned Vehicle Operations Specialists
Science & Math	Dietitians and Nutritionists	I/E	Dietitians
Science & Math	Environmental Scientists and Specialists, Hydrologists	I/R	Environmental Health and Safety Officers
Science & Math	Biochemist and Biophysicists	I/R	Life Scientist
Science & Math	Chemists, Geoscientists, Physicists	I/R	Physical Scientists
Science & Math	Atmospheric and Space Scientists	I/R	Space Operations Officers

*If you want a “High Tech” career, the military services provide exceptional opportunity for STEM careers. Imagine working on some of these platforms!*

- *Ballistic Missile Systems*
- *Fixed and Rotary Wing Aircraft*
- *Hovercraft*
- *Nuclear –powered ships and submarines*
- *Space Technology*
- *Stealth Aircraft*
- *Unmanned Aerial Vehicles*



# Career Clusters and Military Careers: Making the Connection

## Transportation, Distribution & Logistics

This diverse career cluster exposes students to careers and businesses involved in the planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistics services, and the maintenance of mobile equipment and facilities.



States' Career Clusters Initiative, 2010,  
[www.careerclusters.org](http://www.careerclusters.org)

\*Transportation Operations

\*Logistics Planning and  
Management Services

\*Warehousing and Distribution  
Center Operations

\*Facility and Mobile Equipment  
Maintenance

Transportation Systems/  
Infrastructure Planning,  
Management, and Regulation

Health, Safety and  
Environmental Management

Sales and Service

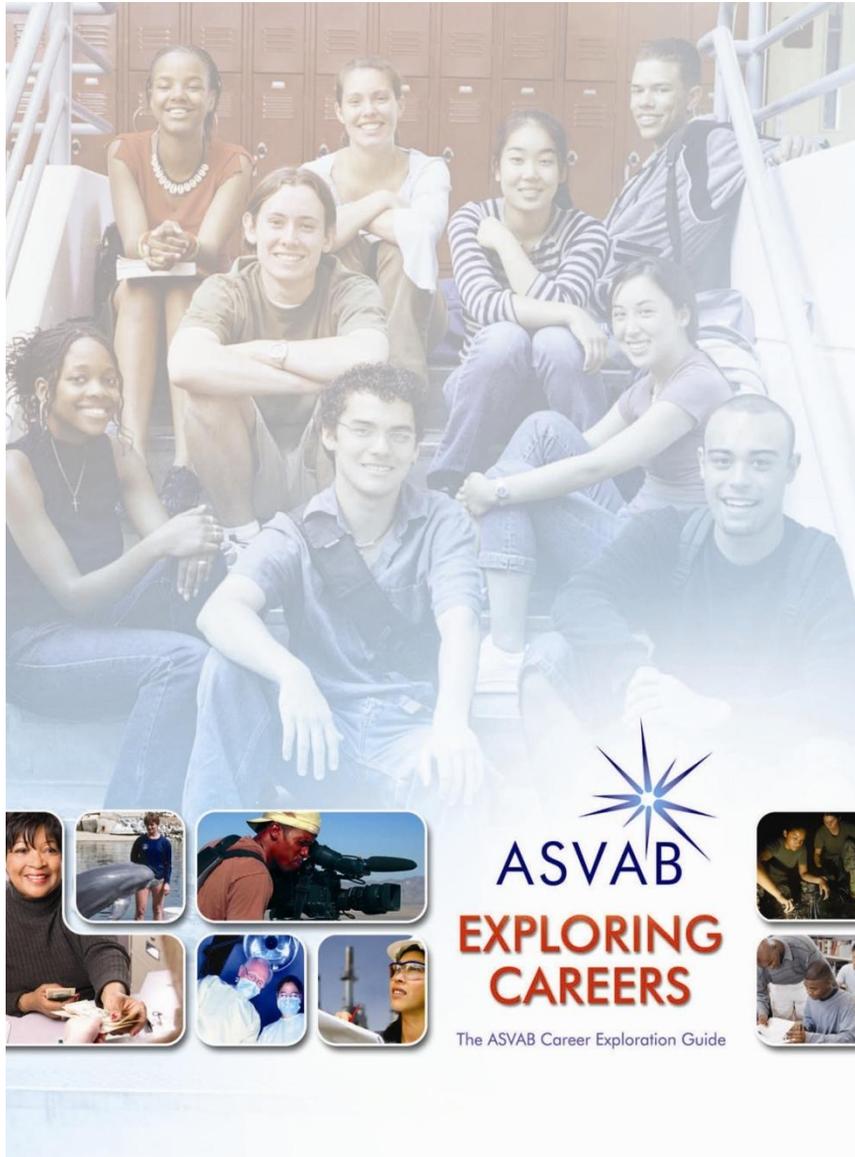
\*Pathways with military career opportunities

# Cluster: Transportation, Distribution & Logistics

Pathway	O*Net Occupation Title	Code	Military Occupation Title
Transportation Operations	Air Traffic Controllers	C/R	Air Traffic Controllers
Transportation Operations	Airplane Pilots, Copilots, and Flight Engineers	R/E	Airplane Pilots
Transportation Operations	Commercial Drivers	R/I	Divers
Transportation Operations	Motorboat Operators	R/E	Quartermasters
Transportation Operations	Sailors and Marine Oilers	R/C	Seaman
Transportation Operations	Pilot, Ship and Boat Captain	R/E	Ship and Submarine Officers
Transportation Operations	Ship Engineers	R/E	Ship Engineers
Transportation Operations	Truck Drivers, Heavy and Tractor Trailer Truck Drivers, Light or Delivery	R/C	Vehicle Drivers
Transportation Operations	Industrial Truck and Tractor Operators	R/C	Construction Equipment Operators
Facility and Mobile Equipment Maintenance	Operating Engineers	R/C	
Facility and Mobile Equipment Maintenance	Aircraft Mechanics and Service Technicians	R/I	Aircraft Mechanics
Facility and Mobile Equipment Maintenance	Automotive Body and Related Repairers, Automotive Glass Installers and Repairers, Automotive Mechanics and Service Technicians, Bus and Truck Mechanics and Diesel Engine Specialists, Mobile Heavy Equipment Mechanics	R/C	Automotive and Heavy Equipment Mechanics
Facility and Mobile Equipment Maintenance	Avionics Technicians	R/C/I	Avionics Technicians
Warehousing and Distribution Center OPS	Laborers and Freight, Stock, Material Movers, Packers and Packagers	R/C	Cargo Specialists
Warehousing and Distribution Center OPS	Production, Planning, and Expediting Clerks	C/E	Preventative Maintenance Analysts
Warehouse and Distribution Center Operations	Transportation, Storage, and Distribution Managers	E/C	Transportation Managers
Warehouse and Distribution Center Operations	Shipping, Receiving, and Traffic Clerks	C/R	Warehousing and Distribution Specialists
Logistics Planning and Management Services	Logisticians	I/E	Logisticians



Loaded flatbeds of the 40th Trans. Co. from Fort Lewis, Wash., set in a line prior to departing on a mission from contingency operating location Q-West in Iraq. Planners from several organizations are now beginning to lay plans for removing equipment from Iraq which had been used in support of operations. <http://www.forthoodsentinel.com/story.php?id=2557>



**Ted Hagert**

## **ASVAB Career Exploration Program**

2834 Green Bay Road

North Chicago IL 60064

(847) 688-3680 x7508;

theodore.hagert@mepcom.army.mil

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