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Armed Forces Career Fields



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Armed Forces career, or occupational, fields, described in this chapter can be defined as groups of related jobs in which enlisted personnel are trained and then employed as specialists. The services list a total of 254 occupational fields — Army, 73; Navy, 68; Air Force, 47; Marine Corps, 37; and Coast Guard, 31. However, these numbers do not mean that there are 254 distinctly

different fields from which a potential serviceman has to choose, for a number of the fields listed by any one service can be found in other services, with little or no difference in terms of training or skills, or even of duties. Career fields open to women are not listed separately, but are indicated by a (W) in the column headed CAREER FIELDS.

U.S. Army Career Fields



Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Army No. 11 Infantry-Armor	Personnel perform actual combat tasks involving employment of individual crew-served weapons, including rifles, mortars, and tank destroying missiles, install and operate and maintain tanks, personnel carriers, armored reconnaissance vehicles, vehicle mounted guns, and related fire control equipment.	Participation in high school team sports, automotive shops and mechanical drawing would be helpful in the infantry field.	There are no comparable civilian jobs in the infantry aspects of this MOS. Specific military knowledges are acquired by working with weapons, vehicles, communication equipment, and military maps in the field. Armor aspects of this MOS are contained in such related civilian jobs as: armament mechanic, automotive mechanic, tractor operator or mechanic, scraper operator, and heavy truck driver.
Army No. 12 Combat Engineering	Combat engineers perform such construction and maintenance functions as building roads and bridges, operating powered bridges, laying out mine fields, erecting temporary shelters, setting up camouflage and demolition.	Knowledge gained in high school automotive mechanics, carpentry and woodworking, and mechanical drawing and drafting courses would be useful in the combat engineering field.	Some civilian jobs closely related to work in the combat engineering field are: blaster, construction equipment operator, construction foreman, bridge repairman, and lumberman.
Army No. 13 Field Cannon and Rocket Artillery	Operate and maintain guns, howitzers, rockets, rocket launchers and auxiliary equipment, prepare operations and situation maps, compute firing data for artillery guns, operate and maintain automatic weapons, and drive heavy wheel and track vehicles.	Artillerymen need mechanical and spatial relations aptitudes, arithmetic reasoning, good vision, and stamina. Courses in mathematics, mechanics, and mechanical drafting would be helpful.	Some related civilian jobs are: cartographic aid, junior draftsman, assistant surveyor, surveyor, cartographer surveyor, map and topographical workman.
Army No. 15 Field Artillery Missiles	Personnel emplace launches; assemble maintain, and prepare missiles for firing; plan and organize local defense; operate and maintain missile and launcher carriers and join warhead to missile, and assist in planning missile firing operation.	Requires reading and vocabulary aptitude to absorb and comprehend technical data, arithmetic reasoning, and mechanical ability.	Some related civilian jobs are: draftsman, map and topographical workman, cartographer, surveyor, and radar operator.

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Army No. 16 Air Defense Missiles	Specialists check and fire missiles, perform missile assembly, and control fire control equipment such as radars, computers, automatic data transmission systems, and associated power supply equipment, operate and maintain air defense weapons.	Requires mechanical and vocabulary aptitude, and arithmetic reasoning. Requires night vision for occupation of sites at night.	Some related civilian jobs are: draftsman, map and topographical workman, cartographer, surveyor, and radar operator.
Army No. 17 Combat Surveillance and Target Operations (W)	Specialists prepare and revise operation and situation maps, compute firing data for artillery equipment, participate in surveys, operate ground and aerial radars, field illumination, sound and flash ranging equipment.	Requires mechanical and spatial relations aptitudes, arithmetic reasoning, good vision, and stamina. Courses in mathematics, mechanics, electricity and mechanical drafting would be helpful.	Some related civilian jobs are: draftsman, map and topographical workman, cartographer, surveyor, electrician and radar operator.
Army No. 21 Ballistic Missile Electronic Maintenance (W)	Specialists inspect, test, repair and maintain ballistic missile systems and associated test equipment; repair or remove and replace malfunctioning components and assemblies; and assemble and disassemble ballistic missiles.	High school courses in mathematics, physics, electricity, and electronics (radio and TV) would be preparation for Army school training in this field.	Some related civilian jobs are: electronic equipment technician, radar installer and operator, TV service & repairman, and guided missile systems repair.
Army No. 22 Guided Missile Electronic Maintenance (W)	Technicians inspect, test, repair and maintain guided missile launching control equipment and internal control devices that direct and control missiles from takeoff to target.	As in other electronics fields, high school courses in mathematics, physics, electricity, and electronics are important.	Some related civilian jobs are: electronic equipment technician, radar installer and operator, radio operator and repairman, and guided missile systems inspector (government).
Army No. 23 Missile Fire Control Electronic Maintenance (W)	Technicians inspect, test, maintain and repair guided missile fire control equipment and related radar installations which guide missiles to target.	As in other electronics fields, high school courses in mathematics, physics, electricity and electronics are important.	Some related civilian jobs are: radio installation and repair inspector, electronic equipment technician, radio & TV repairman.
Army No. 24 Air Defense Missile Electronics	Technicians inspect, test, maintain and repair air defense missile fire control equipment and related radar equipment.	Knowledge gained in high school mathematics, physics, electricity, electronics (radio & TV) and blueprint reading would be of value.	Some related civilian jobs are: radio electrician and mechanic, TV service and repairman.
Army No. 25 Fire Distribution Systems Repair	Technicians maintain and repair electronic equipment of fire distribution systems associated with air defense missiles.	Knowledge gained in high school mathematics, physics, electricity, electronics (radio & TV) and blueprint reading would be of value.	Some related civilian jobs are: radio electrician and mechanic, TV & radio repairman, radar installer and operator and electronic equipment inspector.
Army No. 26 Microwave Maintenance	Specialists install, operate, repair and maintain microwave radio equipment, radar systems, electronic navigation equipment, and TV transmitting and receiving equipment.	Knowledge gained in high school mathematics, physics, electricity, electronics (radio & TV), and blueprint reading courses would be useful.	Some related jobs are: radio electrician and mechanic, TV service & repairman and electronic equipment inspector.
Army No. 27 Combat Missile Electronics Maintenance	Specialists inspect, test, maintain and repair tactical missile systems equipment and related checkout equipment and trainers.	Knowledge gained in high school mathematics, physics, electricity, electronics (radio & TV) and blueprint reading would be of value.	Some related civilian jobs are: radio electrician and mechanic, TV service and repairman.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Army No. 31 Field Communications Equipment Maintenance (W)	Specialists install and maintain Army field telephone systems, operate field telephone switchboards, install and maintain field radio communications equipment, and maintain drone aircraft control systems.	High school courses in mathematics and physics and shop courses in electricity would be helpful.	Some closely related civilian jobs are: aircraft radio electrician, communications engineer assistant, plant wireman, and aircraft radio electrician.
Army No. 32 Fixed Plant Communications Equipment Maintenance (W)	Specialists install and maintain fixed-station radio receiving, transmitting, carrier and terminal equipment.	High school courses in electricity, mathematics, electronics, and blueprint reading would be helpful.	Some related civilian jobs are: radio controlroom technician, radio control operator, radio mechanic, transmitter attendant, and radio & TV repairman.
Army No. 33 Intercept Equipment Maintenance	Specialists install, operate and maintain intercept equipment, and maintain electronic measuring and testing equipment and devices.	High school courses in mathematics, physics, electricity, electronics (radio & TV), and blueprint reading would be helpful.	Some related civilian jobs are: radio electrician, electrical instrument mechanic, meteorological instrument repairman, and electronic equipment inspector.
Army No. 34 Data Processing Equipment Maintenance (W)	Specialists perform maintenance, repair, inspection, tests, and modifications of electrical accounting equipment and electronic computers.	High school courses in mathematics, physics and shop courses in electricity and blueprint reading would be useful.	Some related civilian jobs are: electrical repairman, electronics technician, tabulation equipment and statistical machine serviceman.
Army No. 35 Electrical/ Electronic Devices Repairman (W)	Specialists repair and maintain electrical/electronic, and other medical equipment; meteorological measuring equipment; and testing equipment associated with nuclear weapons.	High school courses in electricity/electronics repair; blueprint reading, mathematics and physics would be useful.	Some closely related civilian jobs are: electrical repairman, electronics technician, electronic equipment inspector, and meteorological instrument repairman.
Army No. 36 Wire Maintenance (W)	Specialists install, maintain, and repair telephone wires and cables; install and maintain telephones, main frames, panels, switchboards, generators, batteries, ringing machines and other similar equipment.	High school courses in mathematics, electricity, and blueprint reading would be of value.	Some closely related civilian jobs are: telephone installer, repairman, cable splicer, wire chief, radio electrician, radio mechanic, telephone electrician, and wire communications equipment repairman.
Army No. 41 Precision Devices (W)	Skilled specialists repair instruments with optical, mechanical and electrical elements used for office machine, photographic, artillery remote fire-control, and topographic surveying purposes.	High school courses in mathematics, physics, electricity, machine shop, blueprint reading, and mechanical drawing would be beneficial.	Some civilian jobs related to work in this field are: optical instrument repairman, camera repairman, office machine repairman, and meteorological repairman.
Army No. 42 Prosthetic Appliances (W)	Skilled specialists make, repair, and adjust orthopedic devices of metal, plastic, wood, leather and other material; make and repair dental prosthetic appliances; and grind and prepare prescription lenses.	High school courses in mathematics, physics, machine shop, carpentry and woodworking would provide useful knowledge.	Examples of related civilian jobs are: dental technician, optician, orthopedic technician, lens grinder, dental ceramist, and optical element inspector.
Army No. 43 Textile and Leather Repair (W)	Skilled specialists repair and fabricate textile, canvas, and leather equipment; repair and pack cargo and personnel parachutes.	Vocational high school courses such as blueprint reading, electricity, machine shop, textiles, carpentry and woodworking would be useful.	Some closely related civilian jobs are: automobile upholsterer, parachute rigger, and furniture repairman.
Army No. 44 Metal Working	Metal workers install and repair metal body components, radiators fuel tanks, and related items; forge, weld, and fabricate parts for metal military equipment.	Vocational high school courses in blueprint reading, machine shop, metal working, automotive mechanics, mechanical drawing and drafting, and basic mathematics would be useful.	Some closely related civilian jobs are: welder, sheet metal worker, machinist, automobile body repairman, metal finisher, and machine shop foreman.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Army No. 45 Armament Maintenance	Armament maintenance men repair and rebuild a wide variety of weapons used by the infantry-armor-artillery combat team, ranging from small arms and missile systems to heavy artillery.	Preparation for training and work in this field should include high school courses in mathematics, physics, blueprint reading, machine shop, and automotive mechanics.	Some closely related civilian jobs are: gunsmith, firearms assembly foreman, armorer, armament mechanic and machinist, ordnance inspector, rigger, electrical test and instrument repair.
Army No. 46 Missile Mechanical Maintenance (W)	Specialists maintain and repair guided missile mechanical assemblies and components; assemble, modify, and oversee nuclear weapons mechanical components and associated equipment.	High school courses in mathematics, physics, electricity, automotive mechanics, and blueprint reading would be of use.	Some closely related civilian jobs are: rigger, electronic equipment repairman, ordnanceman, guided missile inspector, and electrical instrument repairman.
Army No. 51 Construction and Utilities	Personnel in this field perform duties as construction and utilities workers, carpenters, masons, camouflage specialists, pipeline specialists, soils analysts, construction foremen, heating and ventilating specialists, plumbers, refrigeration specialists, firefighters, water supply specialists, utilities foremen, terrain analysts, and structure specialists.	Courses in carpentry and woodworking, masonry, sheet metal working, mechanical drawing and drafting, blueprint reading, and geology could be put to direct use in the construction activity. Knowledge gained in chemistry, electricity, blueprint reading, sheet metal working, plumbing, and refrigeration courses would be beneficial in utilities activity.	Some related civilian jobs are: bricklayer, carpenter, rigger, structural steel worker, blaster, pipeline worker, construction foreman, plumber, pipe fitter, refrigeration mechanic, air-conditioning mechanic, sheet metal worker, and waterworks foreman.
Army No. 52 Power Production and Distribution (W)	Specialists operate and maintain stationary and portable power generating equipment; repair electric motors and generators, and remote control and power equipment.	Some mechanical ability, good powers of concentration, good reasoning ability and exceptional manual dexterity are important. Courses in electricity and blueprint reading would be helpful.	Some related civilian jobs are: electrician, electric motor repairman, electrical appliance serviceman, lineman, power plant operator, and generating station foreman.
Army No. 53 Industrial Gas Production	Technicians operate and perform operator maintenance on plants that manufacture gaseous oxygen nitrogen, acetylene, carbon dioxide, dry ice, and hydrogen; and operate auxiliary storage, handling and transport equipment.	Any knowledge of laboratory work that the person entering this field is able to bring with him would be helpful. School courses in mathematics, physics, and chemistry would be beneficial.	Some closely related civilian jobs include: acetylene, nitrogen, oxygen, carbon dioxide, and chemical plant operator as well as operating engineer, oxygen and/or acetylene gas.
Army No. 54 Chemical (W)	Chemical specialists provide decontamination service after chemical, biological, or radiological attacks, produce smoke for battlefield concealment, repair chemical equipment and assist in overall planning of chemical, biological, or radiological activities.	High school courses in biology, chemistry, and electricity would provide background for Army technical training.	Civilian jobs related to work in the chemical field are: laboratory assistant (biological, chemical, or radiological) pumpman and repairman (chemical), and exterminator.
Army No. 55 Ammunition	Ammunition specialists recondition and salvage ammunition and explosives; locate, remove and destroy or salvage unexploded, spent bombs and missiles; handle and store explosives and components.	Mechanical aptitude, attentiveness, good near vision, normal color discrimination, manual dexterity, and hand-eye coordination.	Civilian jobs related to work in the ammunition field are: Toxic chemical handler, ammunition inspector, and acid plant operator.
Army No. 57 General Duty	Personnel perform such duties as: unskilled labor in service and support companies and labor pools, railway section foremen, duty foremen, tire repairmen, foundry men, sawyers, laundry and impregnation specialists, and graves registration specialists.	Vary with each job.	Civilian jobs are similar except for graves registration personnel who collect, identify, evacuate, and bury deceased military personnel. Civilian jobs related to this are: embalmer, funeral attendant, and identification clerk.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Army No. 61 Marine Operations and Maintenance	Personnel perform deck and engineering duties aboard harbor and landing craft; repair wood and steel hulls and marine engines.	School courses in automotive mechanics, blueprint reading, carpentry and woodwork, machine shop, sheet metal working, electricity, mathematics, and physics would be of value.	Civilian jobs related to specialties in this field are: shipfitter, marine oiler, diver, ship carpenter, marine machinist, able seaman, electric gantry crane operator.
Army No. 62 Engineer Heavy Equipment Operation and Maintenance	Maintenance men repair and service construction machinery such as graders, cranes, and tractors; repair diesel engines, fuel-injection systems, and auxiliary motors; operation of construction machinery such as road paving equipment, cranes, tractors, graders and auxiliary equipment.	Preparation for training and work in this field should include courses in physics, blueprint reading, automotive mechanics, electricity, and machine shop.	Some closely related civilian jobs are: diesel mechanic, automotive mechanic, engineering equipment mechanic, tractor mechanic, motor analyst, crane operator, asphalt equipment operator, concrete equipment operator, tractor operator and grader operator.
Army No. 63 Automotive Maintenance (W)	Automotive maintenance men service and repair land and amphibious wheeled and track vehicles ranging from cars and light trucks to heavy tanks and self-propelled weapons; install and repair refrigeration, bakery and laundry equipment.	High school courses in automotive mechanics, electricity, blueprint reading, machine shop, and physics would be useful.	Some closely related civilian jobs are: automotive mechanic, motor analyst, bakery equipment repairman, refrigeration equipment repairman, frame and wheel alignment mechanic, and tractor mechanic.
Army No. 64 Motor Transport (W)	Motor transport personnel operate and service automobiles, light and heavy trucks, tractor-trailers, tank transporters, and amphibious wheeled vehicles.	Mechanical aptitude, reasoning and verbal ability, good vision and hearing, and normal color discrimination are important. School courses in automotive mechanics would be helpful.	Some closely related civilian jobs are: bus driver, trailer-truck driver, auto driving instructor, depot dispatcher or master, and motor transportation traffic inspector.
Army No. 65 Railway Maintenance and Operation	Railway maintenance and operations specialists service and repair steam locomotives, boilers, and engines; diesel-electric locomotives, engines, and electrical systems; and air brake systems; operate steam and diesel-electric locomotives; perform train crew duties; and plan the movement placement, pickup, and receipt of railway cars.	High school courses in automotive mechanics, electricity, machine shop, shop mathematics, sheet metal working, blueprint reading, carpentry, and physics would be beneficial.	Some directly related civilian jobs are: repairmen of diesel locomotives, airbrakes, boilers and engines; locomotive electrician, pipefitter, and round-house foreman. Also locomotive engineer or fireman, railway brakeman, switchman, demurrage clerk, dispatcher, station agent, and station master.
Army No. 67 Aircraft Maintenance	Aircraft maintenance men service and perform general maintenance on fixed-wing and rotary-wing aircraft, operate aircraft weapon systems, and serve as flying Crew Chiefs.	Students who have studied automotive mechanics, blueprint reading, electricity, sheet metal working, mathematics, and physics would find such background of value.	Civilian jobs closely related to work in this field include: aircraft engine mechanic, airframe repairman, airplane electrician, and aircraft fuel systems mechanic.
Army No. 68 Aircraft Components Repair	Aircraft components repairmen service and repair aircraft components and systems; repair fuel systems, power trains, allied equipment, instruments, and instrument systems; inspect, test, and repair aircraft electrical systems.	Preparation for training and work in this field should include courses in physics, blueprint reading, automotive mechanics, electricity, and machine shop.	Some related civilian jobs are: aircraft engine mechanic, aircraft carburetor assembler, airplane mechanic, propeller mechanic, instrument repairman, and hydraulic control unit assembler.
Army No. 71 Administration (W)	Administration personnel perform duties as clerk-typists, stenographers, legal clerks, postal clerks, medical records clerks, personnel, pay and administration specialists, information, broadcast and attache specialists.	Administration duties require verbal and reasoning ability and clerical aptitude. School courses in English composition, typing, shorthand, office machines, journalism, speech and dramatics would be useful.	Some related civilian jobs are: clerk-typist, secretary, employment interviewer, postal clerk, news reporter, copy-reader, editor, radio announcer, script writer, radio-TV station manager, public relations man, and historian.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Army No. 72 Communications Center Operations (W)	Personnel process coded and uncoded messages and operate telephone switchboards, teletypewriters, and cryptographic machines and devices in communications centers.	While the Army provides all the training needed in this field as well as in all its other fields, the student who has studied typing and other commercial subjects would find such training useful.	Some related civilian jobs are: teletype operator, switchboard operator, telegraphic-typewriter operator, radio intercept monitor and code clerk, and cryptographer (government).
Army No. 73 Finance (W)	Finance specialists keep ledgers and other fiscal records, prepare budgets, process invoices and disbursing vouchers, make payments, and audit accounts.	Knowledge gained in high school commercial courses (bookkeeping, business arithmetic, accounting, typing, and office machines) would be very helpful.	Some closely related civilian jobs are: payroll clerk, cost clerk, audit clerk, cashier, accounting and fiscal clerk, bookkeeper, accountant, and auditor.
Army No. 74 Data Processing (W)	Skilled specialists operate a variety of electric accounting, and automatic data processing equipment to produce personnel, supply, fiscal, medical, intelligence and other reports.	Duties require reasoning and verbal ability, clerical aptitude, finger and manual dexterity, and eye-hand coordination. School courses in typing and office machines would be helpful.	Some related civilian jobs are: coding clerk, key punch operator, sorting machine operator, machine records unit supervisor.
Army No. 76 Supply (W)	Supply specialists receive, store, and issue individual, organizational, and expendable supplies and equipment and spare parts; establish, post, and maintain stock record cards.	Requires numbers ability and perceptual speed in scanning and checking supply documents. Requires verbal ability. School courses in bookkeeping, typing, and office machine operation would be beneficial.	Some related civilian jobs are: inventory clerk, stock control clerk or supervisor, shipping clerk, parts man, and warehouse manager.
8 Graphics			
Army No. 81 Drafting and Cartography (W)	Depending on specialties, personnel produce construction drawings and plans, maps, charts, diagrams, and illustrated material; construct scale models of terrain, structures, weapons, etc.	High school subjects that would prove useful are; mechanical drawing and drafting, blueprint reading, commercial art, fine arts, geography, and mathematics.	Related civilian jobs include: draftsman (structural, mechanical and topographical), cartographic aid, art layout man, model maker, commercial artist, and physical geographer.
Army No. 82 Surveying (W)	Surveyors collect data essential to construction planning and map making. Other specialists in this field compute topographic and geodetic data.	High school courses in mathematics (through solid geometry and trigonometry), mechanical drawing and drafting.	Some closely related civilian jobs are: surveyor, civil engineering aid, map compiler, and topographic or geodetic computer.
Army No. 83 Printing (W)	Printers compose type manually and by machine, operate letterpress and lithographic offset presses, make plates, and operate bindery machines and equipment.	A student who has studied graphic arts or printing and has worked in a print shop or operated duplicating or photocopy machines would find these experiences very helpful.	Some civilian jobs directly related to work in the Army printing field are: compositor, linotype operator, photolithographer, pressman, bookbinder, makup man, and proofreader.
Army No. 84 Pictorial (W)	Pictorial specialists operate still, motion picture, and aerial cameras; process film; operate television cameras and sound recording and facsimile transmission equipment.	School courses in chemistry, art and mechanical drawing and drafting would provide background for Army training in the pictorial field.	Some civilian jobs directly related to Army pictorial work are: commercial photographer, motion picture or television cameraman, recording engineer, and news photographer.
9 General Technical			
Army No. 91 Medical Care and Treatment (W)	Specialists assist Army physicians, surgeons, nurses, dentists, psychologists, and social workers, veterinarians, and allied medical service specialists in carrying out their professional duties.	Knowledge gained by studying such high school subjects as biology, chemistry, hygiene, and sociology would be of particular value.	Some closely related civilian jobs are: social worker (case aid), practical nurse, dentist's assistant, surgeon's assistant, psychological aid, and hospital attendant or orderly.

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Army No. 92 Laboratory Procedures (W)	Personnel in this field use equipment and supplies such as microscopes, chemicals, test tubes and distillation apparatus in conducting laboratory analyses of human specimens, petroleum products, and chemical, biological and radiological elements.	Studying such high school subjects as hygiene, biology, physics, chemistry, and mathematics would be good preparation for Army training and work in this field.	Civilian jobs related to work in this field include: biological laboratory assistant, petroleum tester, chemical laboratory assistant, and food laboratory testing assistant.
Army No. 93 Technical Equipment Operation (W)	Controls take off and landing of aircraft, operates flight simulator for aviation pilot training, makes observations and provides meteorological data, and operates microbarograph and countermeasure equipment.	Vary with job performed. Courses in science, chemistry, physics and mathematics provide a good background for further Army training and experience. Emotional stability, decisiveness, and clear speech are required in controlling air traffic.	Civilian jobs closely related to work in this field are: control tower operator, link trainer instructor, radio operator and weather observer.
Army No. 94 Food Service (W)	Food service personnel serve as cooks, bakers, and meat cutters. Through experience, demonstrated ability, and promotion, personnel reach supervisory positions in food service field.	Students who have taken courses in home economics, chemistry, or hygiene, or who have worked in school kitchens, a restaurant, bake shop, or meat market, will find such experience of value.	Civilian jobs related to work in this field are: cook, chef, executive chef, caterer, baker, meat cutter, butcher, kitchen supervisor, and cafeteria manager.
Army No. 95 Law Enforcement (W)	Military police guard military prisoners and prisoners of war, enforce military order, control traffic, and investigate crimes involving military personnel.	Students who have studied sociology, and demonstrated prowess and leadership in athletics and other group work will find such experience quite helpful.	Civilian jobs closely related to work in this field include: policeman, plant guard, detective, investigator, crime detection laboratory assistant, and ballistic expert.
Army No. 96 General Intelligence (W)	Intelligence specialists gather, translate, correlate, and interpret all kinds of information, including photographs, having any bearing on military plans and operations.	High school courses in English composition, typing, foreign languages, economics, geography, and history would be of particular value.	Some related civilian jobs are: investigator, interpreter, cartographic aid, files searcher, translator, records analyst, research worker, and intelligence analyst (government).
Army No. 00 Special Assignment (NEC) (W)	Field includes such jobs as divers, dog trainers, special duty assignments, recruiter and career counselors and drill sergeants.	Vary with each job.	Some related civilian jobs are: dog breeder, salesman, promotional aid, personnel and employment technician, diver, and diver helper.
Army No. 01 Special Requirements (W)	Field includes such jobs as electrical-electronic engineering assistants, mechanical engineering assistants, civil engineering assistants, mathematics-statistics assistants, chemical engineering assistants, biological sciences assistants and personnel psychology specialists.	Vary with each job. A background in science, biology, chemistry, physics, mathematics and psychology is required.	Civilian jobs related to work in this field are: electrical engineer, mathematician, statistician, physicist, chemist, chemical engineer, pharmacologist, biologist, and psychologist.
Army No. 02 Bandsman (W)	Bandsmen perform duties as musicians in unit and special bands and drum and bugle corps; may advance to enlisted or assistant bandleader as enlisted man or to bandmaster as warrant officer.	While the Army provides training for bandsmen, it requires that personnel entering the field have a minimum of two years prior experience in playing one of the brass, woodwind, or percussion instruments.	Some closely related civilian jobs are: bandsman, bandmaster, musician, accompanist, arranger, music director, orchestrator, music teacher, and orchestra leader.
Army No. 03 Special Services (W)	Special services specialists organize and conduct recreation, entertainment, and athletic programs.	School courses in speech, dramatics, music, art, library science, and physical education as well as any practical experience in these subjects would be of direct value.	Some typical civilian jobs related to work in this field are: recreation director, athletic coach or director, librarian, and radio announcer.

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Army No. 04 Linguists (W)	Personnel in this field perform duties as translators and interpreters.	High school courses in English composition, typing, foreign languages, economics, geography, and history would be of particular value.	Civilian jobs related to work in this field are: translator and interpreter.
Army No. 05 Radio Code (W)	Radio code operators transmit and receive messages, by key or voice, on low or intermediate radio nets and radio teletype equipment.	Students who have studied typing and other commercial subjects, or who have had practical radio or teletype experience, would find such training and experience quite useful.	Some closely related civilian jobs are: radio operator, code clerk (government), radiotelegraph operator, airline radio operator, and radio news copyman.

Navy--Coast Guard Career Fields



Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy, & Coast Guard No. 1 Boatswain's Mate	Boatswain's mates perform almost any task connected with seamanship, including operation of small boats, storing cargo, handling ropes and lines, navigation, and directing the work of deck force personnel.	An important qualification for boatswain's mates is leadership. They must be physically strong. A school course in practical arithmetic is highly desirable, and courses in algebra, geometry, and physics are helpful.	Some civilian jobs closely related to those performed by boatswain's mates are: motorboat operator, tugboat captain, pier superintendent, able seaman, canvas worker, rigger, and cargo winchman.
Navy & Coast Guard No. 2 Quartermaster	Quartermasters perform or assist in performing jobs related to the navigation of ships, steering, lookout supervision, ship-control, bridge-watch duties, visual communications, and maintenance of navigation aids.	Quartermasters need good vision and hearing and should be able to express themselves clearly, both in writing and speaking. School courses in public speaking, grammar, geometry, and physics are helpful.	Some civilian jobs closely related to those performed by quartermasters are: second mate, third mate, and quartermaster aboard merchant ships; deck cadet, and file clerk (drawings, charts, graphs, etc.).
Navy & Coast Guard No. 3 Radarman	Radarman operate and perform upkeep on search radar, electronic recognition and identification equipment, controlled approach devices, electronic aids to navigation, and radar countermeasures equipment.	Radar duties require prolonged attention and mental alertness. Physics, a good background in mathematics, and shop courses in radio and electricity are helpful. Experience in radio repair or ham radio is valuable.	Some civilian jobs closely related to those performed by radarman are: radio operator (aircraft, ship, government service, radio broadcasting), radar equipment foreman, and control-room man (radio broadcasting).
Navy & Coast Guard No. 4 Sonarman	Sonarman operate electronic underwater detection and attack apparatus and obtain and interpret information therefrom for tactical purposes. They perform upkeep of underwater sound detection equipment.	Sonarman must have normal hearing, and clear speaking voices. School courses in algebra, geometry, physics, electricity, and shopwork are desirable. Experience as an amateur radio operator is helpful.	Some civilian jobs closely related to those performed by sonarman are: oil well sounding device operator, radio operator, inspector of electronic assembly, and electronics technician.
Navy No. 5 Signalman	Signalmen send and receive messages by flashing light, semaphore, and flag hoist; handle, route and file messages; code and decode message headings; operate voice radio; and maintain visual signal equipment.	Signalmen need good vision and hearing and should be able to express themselves clearly, both in writing and speaking. School courses in public speaking, grammar, and English are desirable.	Some civilian jobs closely related to those performed by signalmen are: second mate, third mate, and signalman aboard merchant ships; deck cadet, and jobs involving the use of visual communications equipment.

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Navy No. 6 Torpedoman's Mate	Torpedomen's mates maintain and overhaul torpedoes and depth charges; maintain and repair ordnance launching equipment; and launch and recover torpedoes.	Torpedomen's mates should possess a high degree of mechanical and electrical aptitude. School courses in electricity, machine shop, welding, mechanical drawing, and in practical and shop mathematics are desirable.	Some civilian jobs closely related to those performed by torpedomen's mates are: ordnance foreman, gyroscope assembly supervisor, small parts assembler, ordnanceman, and those in connection with the handling of ammunition.
Navy No. 7 Mineman	Minemen test, maintain, and repair mines, components, and mine laying equipment. This work includes testing and adjusting firing mechanisms and installing detonators.	Minemen should possess a high degree of mechanical aptitude. School courses in electricity, machine shop work, welding, mechanical drawing, and practical and shop mathematics are desirable.	Some civilian jobs closely related to those performed by minemen are: mine-assembly supervisor, ordnanceman, mine assembler, ammunition foreman (ammunition, explosives), and powderman (ammunition).
Navy & Coast Guard No. 8 Gunner's Mate	Gunner's mates operate, maintain, and repair small arms, rocket launchers, guns, mounts, and turrets including the electrical, mechanical and hydraulic systems involved. They supervise the stowage of ammunition.	Gunner's mates should possess a high degree of aptitude for mechanical work. School courses in arithmetic, shop mathematics, electricity, physics, and shopwork provide a desirable educational background.	Some civilian jobs closely related to those performed by gunner's mates are: ammunition foreman, firearms assembler, firearms inspector, gunsmith, machinist, armorer, locksmith, and shell assembler.
Navy & Coast Guard No. 9 Fire Control Technician	Fire control technicians operate, maintain and repair highly complicated electronic, electrical and mechanical equipment used to compute and resolve the many factors which influence the accuracy of naval gunfire.	Fire control technicians must be able to perform fine, detailed work. They need to become well qualified through extensive training in mathematics, electronics, electricity, and mechanics.	Some civilian jobs closely related to those performed by fire control technicians are: electrical repairman, radar equipment foreman, radio equipment assembler, and instrument repairman.
Navy No. 10 Missile Technician	Missile technicians perform a variety of duties in connection with internal guidance and control systems of surface-launched missiles. They operate and repair all missile testing equipment.	Missile technicians must have a high degree of mechanical aptitude and manual dexterity. School courses in electricity, electronics, mathematics, and physics provide a helpful background.	Some civilian jobs closely related to those performed by missile technicians are: radio mechanic, radio investigator, television-installation man, electric-motor repairman, and radio repairman.
Navy No. 11 Gunner's Mate Technician	Gunner's mate technicians store, inspect, test, adjust, maintain, repair, and package nuclear weapons, components, and associated equipment. They also assemble, disassemble, and salvage nuclear weapons.	Gunner's mate technicians must be above the average in general learning ability and must possess a high degree of mechanical aptitude and manual dexterity. School courses in science, mathematics, and physics are helpful.	Related civilian jobs have not been clearly established; however it can be presumed that there are several in defense industries.
Navy & Coast Guard No. 12 Electronics Technician (W)	Electronics technicians maintain and repair all electronic equipment on their own ship or station including radio, radar, and sonar equipment used for communications, detection, ranging, recognition, and counter-measures.	Electronics technicians must possess aptitude for fine, detailed, mechanical work. School courses in radio, electricity, physics, algebra, trigonometry, and shop is of great value.	Some civilian jobs closely related to those performed by electronics technicians are: electronics foreman, radar repairman, radio mechanic, radio repairman, electrical repairman, and inspector of electronic assemblies.
Coast Guard No. 13 Telephone Technician	These technicians install, operate, maintain, and repair all telephone, telegraph, and teletype equipment; switchboards, public address systems, and inter-office communications systems.	These men should possess special aptitude for work of an electrical and mechanical nature, and for the use of numbers in practical problems. Previous electrical experience is invaluable.	Some civilian jobs closely related to those performed by telephone technicians are: electrician, electrical equipment inspector, and many which are in the civilian field of telephonic communications.
Navy No. 14 Instrumentman (W)	Instrumentmen work from blueprints and schematic drawings to install, overhaul, and repair mechanical instruments such as meters, gauges, office machines, watches, and clocks.	Instrumentmen must have sufficient dexterity to do fine, detailed work. School courses in blueprint reading and practical experience in repairing typewriters or other office machines are valuable.	Some civilian jobs closely related to those performed by instrumentmen are: watchmaker, machinist, instrument maker, lens grinder, tool inspector, office machines mechanic, and tool clerk.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy No. 15 Opticalman (W)	Opticalmen maintain, overhaul, and repair equipment such as binoculars, sextants, drafting machines, optical gunsights, and turret and submarine periscopes — all of which are scientifically accurate instruments.	Opticalmen must be capable of close, exact, and painstaking workmanship. School courses in physics, shop mathematics, and machine shop are helpful, as is experience in optical or camera manufacturing.	Some civilian jobs closely related to those performed by opticalmen are: lens grinder, jewelry stone cutter, crystal finisher, tool inspector, tool maker, and optical instrument foreman.
Navy & Coast Guard No. 16 Radioman (W)	Radiomen operate radios, radio direction finders, teletypewriters, electronic countermeasures, and facsimile equipment. They transmit and receive messages by International Morse Code.	Radiomen should have good hearing and manual dexterity. School training of a technical nature including courses in mathematics, physics, and electricity is desirable. Experience as an amateur radio operator is helpful.	Some civilian jobs closely related to those performed by radiomen are: telegrapher, radio mechanic, chief radio operator, radiotelephone operator, news copyman, and radio store proprietor.
Navy No. 17 Communications Technician (W)	Communications technicians perform specialized duties in connection with communications research and engineering, including analysis and operation of communications systems and equipment now in use.	Communications technicians must be suited for detailed clerical work. School courses in typing, office machines, English, library work, physics, and electricity are helpful in providing an adequate background.	Some civilian jobs closely related to those performed by communications technicians are: electronics repairman, accounting clerk, instrument repairman, statistical clerk, and teletype repairman.
Navy & Coast Guard No. 18 Yeoman (W)	Yeomen perform clerical and secretarial duties involving typing, filing, operating office duplicating equipment, preparing and routing correspondence and reports, and maintaining records and official publications.	Yeomen need the same qualifications required of secretaries and typists in private industry. School courses in English and in business subjects, such as stenography and typewriting are helpful.	Some civilian jobs closely related to those performed by yeomen are: chief clerk, court reporter, and clerk typist.
Navy No. 19 Personnel Man (W)	Personnel men recommend school and work assignments in the Navy on the basis of information they obtain from interviews, test, and previous records. They analyze, evaluate, and classify Navy jobs.	Personnel men must be able to deal successfully with people. Desirable school courses are: typewriting, public speaking, and office practice. Experience in personnel work and counseling is helpful.	Some civilian jobs closely related to those performed by personnel men are: employment manager, personnel manager, vocational adviser, clerk typist, job analyst, organizer, and personnel clerk.
Navy No. 20 Data Processing Technician (W)	Data processing technicians operate and maintain key-punching and key-verifying equipment to record statistical data on tabulating cards. Included are machines such as sorters, collators, reproducers, and tabulating printers.	Data Processing technicians must possess a high degree of clerical aptitude. School courses in typing, bookkeeping and in operating business machines are desirable as is experience in mechanical work.	Some civilian jobs closely related to those performed by machine accountants are: statistical clerk, inventory supervisor, office manager, business machines operator, and tabulating machine operator.
Navy & Coast Guard No. 21 Storekeeper (W)	Storekeepers order, receive, store, inventory, and issue clothing, foodstuffs, mechanical equipment and other items. Coast Guard storekeepers also have the duties of Navy disbursing clerks.	Storekeepers must be able to write or print legibly and to record numbers neatly and accurately. School courses in typewriting, bookkeeping, accounting, commercial arithmetic, general business studies, and English are helpful.	Some civilian jobs closely related to those performed by storekeepers are: stock clerk, shipping clerk, warehouseman, buyer, material clerk, bookkeeper, and retail food manager.
Navy No. 22 Disbursing Clerk (W)	Disbursing clerks compute the amount of pay due naval personnel, prepare payrolls and keep pay records. They also process claims of naval personnel for expenses incurred in the line of duty.	Disbursing clerks must write legibly and record figures neatly. School courses in typing, bookkeeping, accounting, business arithmetic, and office practice are desirable.	Some civilian jobs closely related to those performed by disbursing clerks are: paymaster, cashier, stock control clerk, payroll clerk, bookkeeper, office clerk, shipper, and calculating machine operator.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy & Coast Guard No. 23 Commissaryman (W)	Commissarymen serve as cooks and bakers. They may serve as butchers at large shore stations and on large ships. They prepare menus, keep cost accounts, assist in ordering provisions, and inspect foodstuffs.	Commissarymen should have an interest in food preparation. They must have high standards of honesty and personal cleanliness. Experience or school courses in food preparation, dietetics, and record keeping are helpful.	Some civilian jobs closely related to those performed by commissarymen are: pastry cook, pastry chef, steward, pie maker, meat cutter, butcher, chef, and others in the restaurant, baking, and meatpacking industries.
Navy No. 24 Ship's Serviceman (W)	Ship's servicemen operate and manage ship's store activities afloat and ashore. These activities include barber, cobbler, photographic, tailor, and beauty shops; soda fountains, commissaries, and retail stores.	Vocational or high school courses in shoe repairing, barbering, tailoring, merchandising and salesmanship, accounting, bookkeeping, business arithmetic, and business English are helpful.	Some civilian jobs closely related to those performed by ship's servicemen are: barber, beauty operator, laundryman, dry cleaner, retail store manager, sales clerk, tailor, and shoe repairman.
Navy & Coast Guard No. 25 Journalist (W)	Journalists engage in news reporting, copyreading, editing, and related jobs to publish information about service people and activities through such media as newspapers, magazines, radio, and television.	Journalists should possess a high degree of clerical aptitude. School courses in English, journalism, and typing are advantageous. Previous writing experience, such as working on a school newspaper, is helpful.	Some civilian jobs closely related to those performed by journalists are: managing editor, copyreader, script writer, reporter, free lance writer, rewrite man, proofreader, and art layout man.
Navy No. 26 Postal Clerk (W)	Postal clerks operate Navy post offices, process incoming and outgoing mail, sell stamps and money orders, maintain mail directories, and handle correspondence concerning postal operations.	Postal clerks must be able to write and print legibly and record figures neatly. School courses in bookkeeping, accounting, business arithmetic, and typing would be helpful.	Some civilian jobs closely related to those performed by postal clerks are: post office employee, postmaster, railway mail clerk, shipping clerk, bank teller, bookkeeper, and accountant.
Navy No. 27 Lithographers (W)	Lithographers perform offset lithography and letterpress printing. This work includes copy preparation, camera work, assembling and stripping, platemaking, typesetting, presswork, and binding.	Lithographers should be able to work with machinery and chemicals. School courses in printing, physics, chemistry, English, and shop mathematics are valuable in this career field.	Some civilian jobs closely related to those performed by lithographers are: lithographic pressman, platen pressman, bookbinder, printer, photoengraver, cameraman, and photolithographer.
Navy No. 28 Illustrator Draftsman	Draftsmen prepare, alter, file, and check architectural, structural, mechanical, electrical, and statistical drawings, plans, sketches, tracings, maps, and charts. Black and white and color training aids and illustrations for publications.	Draftsmen should be capable of neat, close, careful work. Previous experience as draftsmen, tracers, or in surveying is valuable. School courses in art, mechanical drawing, and blueprint reading are invaluable.	Some civilian jobs closely related to those performed by draftsmen are: structural draftsman, commercial illustrator, specification writer, electrical draftsman, and geodetic computer.
Navy & Coast Guard No. 29 Musician	Musicians are members of bands and orchestras and provide music for military ceremonies, religious services, concerts, parades, and various recreational activities.	Applicants who wish to become musicians must exhibit proficiency on standard band or orchestral instruments. Three or four years of instrumental music in high school ordinarily are sufficient to qualify talented personnel.	Some civilian jobs closely related to those performed by musicians are: music teacher, instrument musician, orchestra leader, music arranger, instrument repairman, instrument salesman, and music librarian.
Navy & Coast Guard No. 30 Machinist's Mate	Machinist's mates operate, maintain, and make repairs to ship propulsion and auxiliary equipment such as steam propulsion machinery, propellers, pumps, oil purifiers, and reduction gears.	Machinist's mates should possess aptitude for work of a mechanical nature. School courses in practical or shop mathematics, machine shop, electricity, and physics are valuable to those entering this career field.	Some civilian jobs closely related to those performed by machinist's mates are: refrigeration mechanic, engine maintenance man, chief marine engineer, turbine operator, engine repairman, and tugboat engineer.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy & Coast Guard No. 31 Engineman	Enginemen operate, maintain, and repair internal combustion engines. Most engine-men are engaged in these tasks in diesel-driven ships and craft, but some work with high-powered gasoline engines.	Enginemen should have a liking for engines and things mechanical. School courses in algebra, geometry, and physics would be helpful. Experience in automotive repair is invaluable to a person in this career field.	Some civilian jobs closely related to those performed by enginemen are: diesel engine operator, diesel mechanic, ignition repairman, ignition and carburetor mechanic, gas engine mechanic, and garage foreman.
Navy No. 32 Machinery Repairman	Machinery repairmen are skilled machinists, machine tool operators, and auxiliary equipment repairmen. They repair and maintain machine repair tools, and lay out and perform precision bench work.	Machinery repairmen should possess a high degree of aptitude for work of a mechanical nature. School courses or experience in practical or shop mathematics, machine shop, electricity, mechanical drawing, and foundry are desirable.	Some civilian jobs closely related to those performed by machinery repairmen are: engine lathe operator, machinist, tool clerk, bench machinist, turret lathe operator, and milling machine operator.
Navy & Coast Guard No. 33 Boilerman	Boilermen operate all types of marine boilers and fire-room machinery. They transfer, test, and take inventories of fuel and water. They maintain and repair boilers, pumps, and associated machinery.	Boilermen must be strongly interested in mechanical work, for they are required to use skillfully hand, power-driven, and pneumatic tools. Training in school shop courses and in practical mathematics is desirable.	Some civilian jobs closely related to those performed by boilermen are: marine fireman, boiler shop repairman, boiler inspector, stationary engineer, marine oiler, and railroad engine repairman.
Navy & Coast Guard No. 34 Electrician's Mate	Electrician's mates install, operate, maintain, and repair such equipment as generators, electrical motors, searchlights, yardarm blinkers, and the lighting and power-distribution systems aboard ship.	Electrician's mates should have a high degree of aptitude for work of an electrical and mechanical nature. School courses in electrical shop, practical and shop mathematics, and physics are helpful.	Some civilian jobs closely related to those performed by electrician's mates are: electrician, electric motor repairman, electrical equipment inspector, ship electrician, and electrical instrument repairman.
Navy No. 35 Interior Communications Electrician	Interior communications electricians maintain and repair all interior communications systems including synchro units, gyrocompass systems, engine telegraphs, rudder-position indicators, and other related equipment.	Interior communications electricians should possess a high aptitude for electrical work. A valuable background would include courses in electrical shop, practical and shop mathematics, and experience in electrical work.	Some civilian jobs closely related to those performed by interior communications electricians are: power house engineer, ship electrician, station installer, and instrument man.
Navy No. 36 Shipfitter	Shipfitters lay out, fabricate, and repair metal structures and perform shipboard and shore-based high pressure and low pressure pipefitting.	Shipfitters should possess high aptitude and interest for mechanical work. School courses in sheet metal, foundry, pipefitting, practical mathematics, and geometry are valuable, as is foundry and machine shop experience.	Some civilian jobs that are closely related to those performed by shipfitters are: pipefitter, sheet metal worker, automobile-body repairman, coppersmith, plater, tool dresser, and plumber.
Navy No. 37 Boilermaker	Boilermakers test, maintain, and repair marine boilers, heat exchangers, and associated equipment.	Boilermakers must be strongly interested in mechanical work, for they are required to skillfully use hand, power-driven and pneumatic tools. Training in school shop courses and in practical mathematics are desirable.	Some civilian jobs closely related to those performed by boilermakers are: marine fireman, boilerman, boiler shop repairman, boiler inspector, stationary engineer, marine oiler, and railroad engine repairman.
Navy & Coast Guard No. 38 Damage Controlman	Damage controlmen are qualified in the techniques, skills, and use of equipment for damage control; carpentry; fire fighting; and atomic, biological, and chemical (ABC) warfare defense.	Damage controlmen should possess self-reliance, ingenuity, and poise in time of danger. School courses such as machine shop, carpentry, sheet metal shop, practical and shop mathematics, and chemistry are desirable.	Some civilian jobs closely related to those performed by damage controlmen are: fire marshal, locksmith, carpenter, painter, glazier, safety engineer, and building maintenance man.

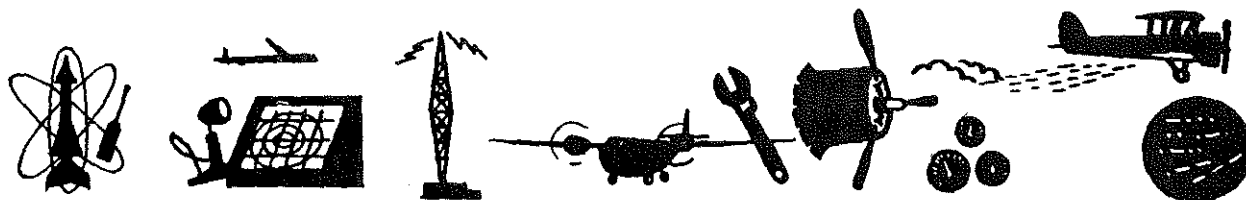
Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy No. 39 Patternmaker	Patternmakers work from blueprints, sketches, models, and their own designs. They make all types of wood and metal patterns, core boxes, flasks, and plaster of Paris patterns used by molders in Navy foundries.	Patternmakers should be able to do exacting, precise work. School courses in woodshop, foundry, mechanical drawing, and shop and practical mathematics are very helpful, as is experience in carpentry.	Some civilian jobs closely related to those performed by patternmakers are: metal work foreman, template maker, industrial arts teacher, loftsmen, bench carpenter, and layout man.
Navy No. 40 Molder	Molders operate foundries aboard ship and at shore stations; make molds and cores, rig flasks, prepare heats and pour castings of ferrous, non-ferrous, and alloy metals; sandblast castings and pour bearings.	Molders should have a desire to work with hand and power tools and should be physically strong. Completion of such school courses as foundry, machine shop, and practical mathematics is desirable.	Some jobs closely related to those performed by molders are: foundry foreman, furnace operator, melter, molder, core maker, and cupola tender.
Navy No. 41 Engineering Aid	Engineering aid's duties include making reconnaissance, preliminary and final location surveys for roads, airfields, pipelines, ditches, buildings, drainage structures, and water-front construction. Also prepare hydrographic and topographic charts.	Engineering aids should be well grounded in mathematics. School courses in algebra, geometry, trigonometry, mechanical drawing, and drafting are recommended. Experience in highway construction is of value.	Some civilian jobs that are closely related to those performed by engineering aids are: surveyor, instrument man, rodman, chainman, and geodetic computer operator.
Navy No. 42 Construction Electrician	Construction electricians install, operate, maintain, and repair electrical generating equipment, distribution systems, transformers, switchboards, distribution panels, motors, inside wiring, and lighting fixtures.	Construction electricians should possess an interest in mechanical and electrical work. School courses in electricity, shop mathematics, and physics are helpful.	Some civilian jobs closely related to those performed by construction electricians are: powerhouse electrician, line man, machine shop electrician, construction electrician, and electrical repairman.
Navy No. 43 Equipment Operator	Equipment operators dispatch, operate, field-check, and service automotive and heavy construction equipment such as buses, trucks, tractors, shovels, cranes, scrapers, pile drivers, ditchers, rollers, and graders.	Equipment operators should have average or above average physical strength and normal color perception. School courses in auto or electrical shop are helpful, as is experience in construction work.	Some civilian jobs related to those performed by equipment operators are: bulldozer operator, motor grader operator, excavation foreman, power shovel operator, ditcher operator, and pile driver operator.
Navy No. 44 Construction Mechanic	Mechanics maintain, lubricate, repair, and overhaul automotive and heavy construction equipment and diesel and gasoline internal-combustion engines to insure efficient mechanical operation.	Mechanics must have a high degree of mechanical aptitude. School courses in electrical shop, machine shop, shop mathematics, and physics are helpful. Previous work as a machinist or auto mechanic is of value.	Some civilian jobs closely related to those performed by mechanics are: automotive repairman, diesel engine mechanic, motorcycle repairman, bus mechanic, motor analyst, and garage foreman.
Navy No. 45 Builder	Builders construct, maintain, and repair all types of wood and concrete structures. In addition, they perform such auxiliary functions as shoring, underpinning, pile jetties, and capping.	Builders should possess a high degree of mechanical aptitude. School courses in carpentry and shop mathematics are desirable. Experience with hand and power tools used in construction are of value.	Some civilian jobs that are closely related to those performed by builders are: construction superintendent, construction foreman, carpenter, millman, pipe layer, and building foreman.
Navy No. 46 Steelworker	Steelworkers rig and operate all the special equipment used to move or hoist structural shapes, and similar equipment. They erect or dismantle steel bridges, buildings, tanks, and other structures.	Steelworkers must possess physical strength, stamina, and the ability to work aloft. School courses in sheet metal, machine shop, and foundry are desirable. All kinds of construction work are distinct assets.	Some civilian jobs that are related to those performed by steelworkers are: rigger, shipfitter, structural steel worker, salvage engineer, construction foreman, steel fabricator, and riveter.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy No. 47 Utilities Man	Utilities men maintain and repair boilers, evaporators, and equipment for the distillation and purification of water. They operate and service the heavy machinery used to power utilities stations.	Utilities men should possess a high degree of mechanical aptitude. School or apprentice training in plumbing and other related technical fields, as well as mathematics, is helpful.	Some civilian jobs closely related to those performed by utilities men are: stationary engineer, water service supervisor, evaporator operator, stationary boiler foreman, pumpman, and water filterer.
Navy & Coast Guard No. 48 Aviation Machinist's Mate	Aviation machinist's mates inspect, adjust, test, repair, and overhaul aircraft engines. When assigned as flight engineers, they operate the engines, landing gear, wing flaps, and other controls of the aircraft.	Aviation machinist's mates must volunteer for flight duty and pass required physical examinations. School courses in machine shop, automobile or aircraft engines, algebra, and geometry are helpful.	Some civilian jobs closely related to those performed by aviation machinist's mates are: airplane mechanic, airport serviceman, aerial engineer, and overhaul aircraft engine mechanic.
Navy & Coast Guard No. 49 Aviation Electronics Technician (W)	Aviation electronics technicians test, maintain, and repair all airborne electronic communications, navigation, search, identification, countermeasures, detection, and relay equipment and associated test equipment.	Aviation electronics technicians must possess a high degree of aptitude for electrical and mechanical work. School courses in algebra, trigonometry, physics, electricity, radio, and mechanics are helpful.	Some civilian jobs closely related to those performed by aviation electronics technicians are: aircraft radio electrician, radio mechanic, electrical repairman, and radio repairman.
Navy & Coast Guard No. 50 Aviation Ordnanceman	Aviation ordnancemen prepare naval aircraft for action by loading bombs, torpedoes, rockets, and guided missiles into planes. They maintain, repair, install, operate, service, and handle aviation ordnance equipment.	Aviation ordnancemen must volunteer for aerial gunnery duty and pass required physical examinations. School courses in algebra, physics, and electricity are of value. Experience in electrical repair work is helpful.	Some civilian jobs closely related to those performed by aviation ordnancemen are: gyroscope-instrument mechanic, instrument man, aircraft armament mechanic, ordnanceman, and armament inspector.
Navy No. 51 Aviation Fire Control Technician	Aviation fire control technicians maintain and repair aircraft armament control systems, and armament control radar, computers, computing sites, gyroscopes, periscopes, and related equipment controlling the firing of guns on Navy planes.	Aviation fire control technicians must possess superior electronic, electrical, and mechanical aptitude. Previous training in repair shops or vocational schools, and training in mathematics are desirable.	Some civilian jobs closely related to those performed by aviation fire control technicians are: electrical assembler, electrical equipment tester, instrument man, and airplane electrician.
Navy No. 52 Air Controlman (W)	Air controlmen assist in the direction and control of air traffic at airfields, seadromes, and on aircraft carriers by means of radio, radar, flashing light signals, and flag hoists.	Air controlmen should have a high degree of such qualities as accuracy, precision, self-reliance, and calmness under stress. A school course in public speaking or experience in radio broadcasting would be helpful.	Some civilian jobs closely related to those performed by air controlmen are: airport-control operator, instrument-landing truck operator, airplane dispatch clerk, statistical clerk, and aircraft-log clerk.
Navy No. 53 Aviation Boatswain's Mate	Aviation boatswain's mates handle aircraft on carriers, tenders, seaplane ramps, and in anchorages, hangars, and parking areas. They assist in launching planes from catapults and in landing planes on aircraft carriers.	Aviation boatswain's mates should have 20/20 vision uncorrected and good hearing. School courses in shop work, physics, and chemistry are desirable. Experience in handling small boats is helpful.	Some civilian jobs that are closely related to those performed by aviation boatswain's mates are: machinery erector, tug driver, portable crane operator, airport serviceman, fireman, and pumpman.
Navy & Coast Guard No. 54 Aviation Electrician's Mate	Aviation electrician's mates maintain, adjust, and repair aircraft electrical power generating and converting, lighting, control and indicating systems and components. They install aircraft electrical wiring.	Aviation electrician's mates should possess a high aptitude for electrical work. School courses such as algebra, trigonometry, physics, and electrical shop are helpful, as is experience in aircraft electrical work.	Some civilian jobs closely related to those performed by aviation electrician's mates are: airplane electrician, electrical repairman, battery man, ignition repairman, and gyroscopic instrument mechanic.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy & Coast Guard No. 55 Aviation Structural Mechanic	Aviation structural mechanics maintain and repair aircraft surfaces, airframe structures, and hydraulic systems. They construct, repair and align fuselage structures and parts such as wings, elevators, and ailerons.	Aviation structural mechanics should possess a high degree of mechanical aptitude. School courses in metal shop work, woodworking, algebra plane geometry, and physics are helpful, as is experience in automobile body work.	Some civilian jobs closely related to those performed by aviation structural mechanics are: aircraft plumber, fuel system installer, aircraft welder, aircraft painter, and aircraft sheet metal inspector.
Navy No. 56 Aircrew Survival Equipmentman	The aircrew survival equipmentman's job primarily involves the care and packing of parachutes. They also service, maintain, and repair other types of survival equipment such as rubber life rafts and life jackets.	Aircrew survival equipmentman must be capable of performing extremely careful and accurate work. School courses in general shop and sewing are desirable. Experience in the use and repair of sewing machines is helpful.	Some civilian jobs closely related to those performed by aircrew survival equipmentman are: parachute packer, parachute repairman, test parachute jumper, and tailor.
Navy & Coast Guard No. 57 Aerographer's Mate (W)	Aerographer's mates collect, record, and analyze weather information. They prepare up-to-date weather maps and forecasts from visual and instrumental weather observations and reports, using standard weather codes.	Aerographer's mates must have the ability to use numbers in practical problems. School courses in algebra through trigonometry, physics, physiography, and typing are helpful as is training in meteorology and astronomy.	Some civilian jobs closely related to those performed by aerographer's mates are: weather observer, meteorologist, chart maker, statistical clerk, and inspector of weather instruments.
Navy No. 58 Trademan (W)	Trademen (training devices men) operate, maintain, install, and repair training aids and training devices. In addition to these functions, they train instructors in the operation and use of such equipment.	Trademen must have a clear, well-modulated voice with no speech defects or pronounced accent. School courses in mathematics, physics, electricity, and shop work are desirable as is experience as an instructor.	Some civilian jobs that are closely related to those performed by trademen are: instrument man, inspector, link trainer instructor, stock control clerk, and electrical appliance repairman.
Navy No. 59 Aviation Storekeeper (W)	Aviation storekeepers procure, check, store, preserve, and issue all types of naval aircraft and aeronautical equipment and accessories. They take inventories of aircraft, including spare parts, and prepare reports.	Aviation storekeepers should be able to use numbers in practical supply problems. School courses in bookkeeping, accounting, business arithmetic, typing, and office practices are desirable.	Some civilian jobs closely related to those performed by aviation storekeepers are: clerk-typist, inventory clerk, material clerk, expeditor, stock clerk, tool clerk, and receiving-shipping clerk.
Navy & Coast Guard No. 60 Photographer's Mate (W)	Photographer's mates operate, maintain, and repair the various types of cameras for ground and aerial photographic work. Photographer's mates perform microfilm, photostat, copy, and news photography.	Photographer's mates should have normal color perception and those selected for aviation duty must pass required physical examinations. School courses in physics and chemistry are desirable.	Some civilian jobs closely related to those performed by photographer's mates are: commercial, studio, and news photographer, camera repairman, aerial photographer, photographic equipment salesman, and film developer.
Navy No. 61 Photographic Intelligenceman	Photographic intelligencemen maintain and process data associated with air photo intelligence files; prepare maps, charts and terrain models; extract intelligence from aerial photographs; and prepare intelligence reports.	Photographic intelligence work requires skill in processing, assimilating, interpreting, and presenting data. School courses such as typing, filing, drafting, mathematics, geography, and photography are valuable.	Some closely related civilian jobs are drafting, model-making, clerical jobs, photography, and photogrammetry.
Navy & Coast Guard No. 62 Hospital Corpsman (W)	Hospital corpsmen administer medicines, apply first aid, perform minor surgery such as treating abscesses and suturing minor wounds, assist in the operating room, and nurse the sick and injured.	It is desirable that hospital corpsmen be high school graduates. School courses in hygiene, biology, first aid, physiology, chemistry, typing, and public speaking are helpful.	Some civilian jobs closely related to those performed by hospital corpsmen are: practical nurse, hospital orderly, hospital clerk, medical technician, first aid attendant, and electrocardiograph operator.
Navy & Coast Guard No. 63 Dental Technician (W)	Dental technicians assist dental officers in the treatment of patients, render first aid, give preventive treatments, and perform various dental department administrative duties.	Dental technicians must have completed at least two years of high school. They are interviewed for interest and aptitude prior to assignment. School courses in hygiene, physiology, and chemistry are helpful.	Some civilian jobs closely related to those performed by dental technicians are: dental technician, dental hygienist, X-ray technician, first aid teacher, dentist's assistant, and salesman of dental supplies.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Navy & Coast Guard No. 64 Steward	Stewards serve as cooks and bakers for officers' messes. They prepare menus and assist in ordering provisions; are responsible for the storage of food products; and take care of refrigerated spaces and provision issue rooms.	Stewards should possess high standards of honesty and personal cleanliness. School courses in arithmetic and home economics are desirable. Previous experience in cooking or baking is helpful.	Some civilian jobs closely related to those performed by stewards are: cook, steward, maitre de hotel, caterer, restaurant operator, demonstrator of cooking utensils, and supervisor of hotel busboys.
Navy No. 65 Data Systems Technician	Data systems technicians maintain electronic digital data systems and equipment; inspect, test calibrate, and repair computers, tape units, digital display equipment, data link terminal sets and related equipment.	Data systems technicians must possess a high degree of aptitude for detailed mechanical work as well as clerical aptitude. School courses in radio, electricity, physics, and mathematics through calculus are helpful.	Some civilian jobs closely related to those performed by data systems technicians are: electrical or electronic repairman, radio repairman, inspector of electronic assemblies, and business machine repairman and program writer.
Navy No. 66 Aviation Antisubmarine Warfare Technician	Aviation antisubmarine warfare technicians inspect and maintain aircraft antisubmarine warfare systems; including underwater detection, integrated display, and associated antisubmarine warfare equipment; and use and maintain test equipment.	Aviation antisubmarine warfare technicians must possess a high degree of aptitude for mechanical work. School courses in algebra, geometry, trigonometry, physics, electricity, radio, and mechanics are helpful.	Some civilian jobs closely related to those performed by aviation antisubmarine warfare technicians are aircraft radio electrician, radio mechanic, electrical and radio repairman and operator, and inspector of electronics assembly.
Navy No. 67 Aviation Maintenance Administrationman (W)	Aviation maintenance administrationmen perform management and clerical duties required in aircraft maintenance offices. This includes planning and scheduling the maintenance workload, preparing required reports and correspondence, and analyzing trends of aircraft system and component failures.	Aviation maintenance administrationmen should be capable of accurate and detailed work and should have an interest in the aviation maintenance field. School courses in filing and typing are desirable.	Some civilian jobs related to those performed by aviation maintenance administrationmen are: aircraft inspector, overhaul aircraft engine mechanic, and clerk typist.
Navy No. 68 Aviation Support Equipment Technician	Aviation support equipment technicians service test and perform intermediate level maintenance and repair of gasoline and diesel engines, gas turbine compressor units, power generating equipment, liquid and gaseous oxygen and nitrogen servicing equipment, automotive electrical systems and air conditioning systems.	Aviation support equipment technicians must have a high degree of mechanical aptitude. School courses in mathematics, physics, electricity, and machine shop are helpful. Previous experience as auto mechanic or machinist would be of value.	Some civilian jobs closely related to those performed by aviation support equipment technicians are diesel or gasoline engine mechanic, air conditioning mechanic, ignition mechanic and compressed gases operator.

U.S. Air Force Career Fields



Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 1 Intelligence (W)	Intelligence personnel collect, produce, and disseminate data which has strategic, tactical, or technical value from an intelligence viewpoint. This includes security of information.	Intelligence personnel should have knowledge of the techniques of evaluation, analysis, interpretation, and reporting. School courses in foreign languages, English composition, photography, and mathematics are desirable.	Some civilian jobs closely related to those performed in the intelligence field are: cryptanalyst, draftsman, interpreter, investigator, statistician, radio operator, and translator.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 2 Photomapping (W)	Photomapping personnel procure, compile, compute, and use topographic, photogrammetric, and cartographic data in preparing aeronautical charts, topographic maps and target folders.	Photomapping personnel should have the ability to use the precision instruments required in measuring and drafting. School courses in mathematics, drafting, and physics are desirable.	Some civilian jobs closely related to those performed in the photomapping field are: map draftsman, topographical draftsman, mapmaker, cartographer, compass man, and advertising layout man.
Air Force No. 3 Weather (W)	Weather personnel collect, record, and analyze meteorological data; make visual and instrument weather observations. They make forecasts of immediate and long-range weather conditions, and maintain equipment.	Weather personnel are required to have visual acuity corrective to 20/20. School courses in physics, mathematics, and geography are desirable.	Some civilian jobs closely related to those performed in the weather field are: meteorologist, weather forecaster, and weather observer.
Air Force No. 4 Aerospace Control Systems Operations (W)	Personnel in this field operate control towers, direct aircraft landings with radar landing control equipment; operate ground radar equipment, aircraft control centers, and airborne radar equipment.	Personnel in this field should have considerable dexterity, clear voice and speech ability, and excellent vision. School courses in English are desirable.	Some civilian jobs closely related to those performed in the aerospace control systems operations field are: aircraft log clerk, and airport control operator.
Air Force No. 5 Communications Operations (W)	Communications operations personnel operate radio and wire communication equipment including telephone switchboards; teletypewriters; ground intercept and airborne radio equipment; and balloon launching gear.	Communications operations personnel should have considerable manual dexterity, and normal hearing and eyesight. School courses in office machine operations, and English are desirable.	Some civilian jobs closely related to those performed in the communications operations field are: central office operator (tel. & tel.), cryptographer, radio operator, telephone supervisor, and photoradio operator.
Air Force No. 6 Communications- Electronics Systems (W)	Personnel in this field install, maintain, repair, overhaul and modify airborne radio and electronic communication and navigation equipment, early warning and radar equipment, and airborne and ground electronic warfare equipment.	Personnel in the radio and radar systems field are required to have manual dexterity in the use of small tools and parts. School courses in mathematics, physics, and radio are desirable.	Some civilian jobs closely related to those performed in the communications electronics systems field are: communications engineer, electronics engineer, radio mechanic, radio repairman, radar equipment foreman, and radio electrician.
Air Force No. 7 Missile Electronic Maintenance	Personnel in this field install, maintain, checkout, repair, and modify missile electronic systems and related equipment. They also operate and maintain director aircraft and drones.	Personnel in this field must have considerable manual dexterity. School courses in physics, and mathematics are desirable.	Training and experience received in the missile electronic maintenance field provide personnel with knowledge for certain civilian occupations, depending upon the degree of proficiency achieved by individuals while in service.
Air Force No. 8 Avionics Systems	Personnel in this field install, maintain, and repair bomb navigation, fire control, weapon control, automatic flight control systems, and maintain associated test equipment.	Personnel in this field are required to have considerable manual dexterity and normal vision, including color vision. School courses in mathematics, and physics, are desirable.	Some civilian jobs closely related to those performed in the avionics field are: radar maintenance, television maintenance, and precision instrument maintenance.
Air Force No. 9 Training Devices (W)	Training devices personnel install, operate, repair, and modify instrument, navigation, bombing, and gunnery trainers and flight simulators. They work with small tools and precision test equipment.	Training devices personnel are required to have a knowledge of electricity, mathematics, and blueprint reading. School courses in mathematics, and physics, are desirable.	Some civilian jobs closely related to those performed in the training devices field are: link trainer instructor, radio mechanic, and instrument man.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 10 Wire Communications Systems Maintenance	Personnel in this field repair telephones, teletypewriters, teleautographs, cryptographic devices, and telephone switchboards and install and maintain telephone and telegraph land systems, and antenna and antenna support systems.	Personnel in the wire maintenance field must have considerable dexterity and manipulative ability. School courses in electricity, shop mathematics, and physics are desirable.	Some civilian jobs closely related to those performed in the wire communications maintenance field are: cable splicer, central office repairman, telephone inspector, teletype repairman, and manual equipment repair (central office).
Air Force No. 11 Intricate Equipment Maintenance (W)	Personnel in this field overhaul and modify office machines and photographic and medical equipment. They work with fine precision tools and testing devices, and from blueprints and schematic drawings.	Personnel in this field must have considerable mechanical ability and manual dexterity. School courses in algebra, physics, and shop work are desirable.	Some civilian jobs closely related to the intricate equipment maintenance field are: business machine inspector, camera repairman, office machine salesman, statistical machine serviceman, and tabulating equipment mechanic.
Air Force No. 13 Aircraft Accessory Maintenance	Personnel in this field maintain propellers, pneumatic systems, instruments, electrical systems, fuel and fuel control systems, flight control autopilot system, and other accessory systems normally installed in airborne weapons systems.	Personnel in this field should be physically strong and possess mechanical aptitude. School courses in trigonometry, physics and shopwork are helpful.	Some civilian jobs closely related to the aircraft accessory maintenance field are: airplane mechanic, carburetor man, airplane electrician, hydraulic tester, oxygen system tester, and final assembly plumber.
Air Force No. 13 Aircraft Maintenance (W)	Personnel in this field perform the mechanical functions of aircraft engine installation, removal, maintenance, and repair; and the maintenance, repair, and modification of helicopters, turbo-prop reciprocating engine, and jet aircraft.	Personnel in this field must have considerable mechanical aptitude and manual dexterity. School courses in shop mathematics, physics and machine shop are desirable.	Some civilian jobs closely related to those performed in the aircraft maintenance field are: aeronautical engineer, aircraft engine mechanic, airplane inspector, engineman, and engine tester.
Air Force No. 14 Audio-Visual (W)	Personnel operate aerial and ground cameras, motion picture and other photographic equipment; process photographs and film, edit motion pictures, perform photographic instrumentation functions, and operate airborne, field, and precision processing laboratories.	Audio-visual personnel are required to have considerable dexterity in the operation of small precision equipment, plus excellent eyesight. School courses in mathematics, physics, and chemistry are desirable.	Some civilian jobs closely related to those performed in the audio-visual field are: cameraman, darkroom man, film editor, aerial photographer, commercial photographer, photograph finisher, sound mixer, and motion picture operator.
Air Force No. 15 Safety	Personnel in this field conduct safety programs, survey areas and activities to eliminate hazards, analyze accident causes and trends.	Personnel in this field must have knowledge of industrial hygiene, safety education, safety psychology, and blueprint interpretation. School courses in typing, English, and public speaking are desirable.	Some civilian jobs closely related to those performed in the safety field are: safety man and safety instructor.
Air Force No. 16 Munitions and Weapons Maintenance	Personnel in this field maintain and repair aircraft armament. They assemble, maintain, and store munitions and nuclear weapons. Also they dispose of bombs, missiles and rockets, and operate detection instruments.	Personnel in this field are required to have considerable mechanical aptitude and manual dexterity. School courses in machine shop mathematics, and chemistry, are desirable.	Some civilian jobs related to the munitions and weapons maintenance field are: aircraft armament mechanic, armorer, ammunition inspector, munitions handler foreman, powderman, and pyrotechnic mixer.
Air Force No. 17 Motor Vehicle Maintenance (W)	Personnel in this field overhaul and maintain powered ground vehicles and mechanical equipment of various types which are used by the Air Force for transporting personnel, supplies, and for such work as airfield construction.	Personnel in this field will profit from school courses in machine shop mathematics, physics, as well as from training in the use of tools and blueprints.	Some civilian jobs closely related to the motor vehicle maintenance field are: automobile accessories installer, automobile repairman, bus mechanic, carburetor man, automotive electrician, and truck mechanic.

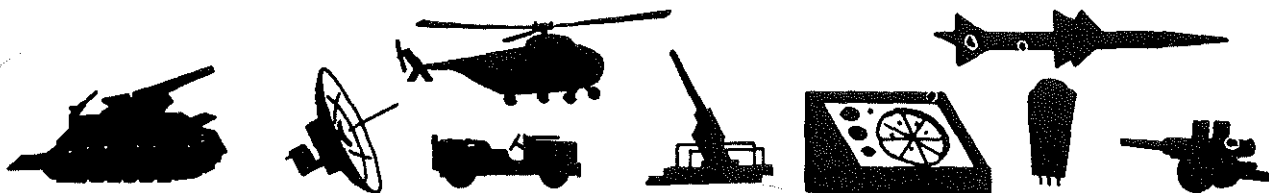
Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 18 Metal Working	Personnel in this field, among other things, design and produce precision tools, parts, and assemblies; operate metalworking machines such as lathes and grinders; and fabricate and install sheet metal parts.	School courses in elements of physics, and advanced shop mathematics will prove valuable to persons entering this career field.	Some civilian jobs closely related to the metalworking field are: machinist, plater, aircraft sheet metal worker, toolmaker, acetylene welder, and welding specialist.
Air Force No. 19 Civil Engineering Structural/ Pavements (W)	Personnel in this field construct and maintain structural facilities and pavement areas, maintain pavements, railroads, and soil bases, perform erosion control, operate heavy equipment, and perform site development, general maintenance, cost and real property accounting, and work control functions.	Personnel in this field will profit from school courses in blueprint reading, mechanical drawing, mathematics, physics, and chemistry.	Some closely related civilian jobs are: plumber, bricklayer, carpenter, stonemason, and painter.
Air Force No. 20 Civil Engineering Sanitation	Personnel in this field operate and maintain water and waste processing plants systems, and equipment, and perform pest and rodent control functions.	School courses in basic physics, biology, chemistry, and blueprint reading will prove valuable.	Some closely related civilian jobs are: purification plant operator, sanitary inspector, termite treater, vermin exterminator, and entomologist.
Air Force No. 21 Fire Protection	Fire protection personnel operate firefighting equipment, prevent and extinguish aircraft and structural fires, rescue and render first aid, and maintain firefighting and fire prevention equipment.	Fire protection personnel are required to be in top physical condition, with an absence of allergies to oil and fire extinguishing solutions. School courses in general science and chemistry are desirable.	Some civilian jobs closely related are: fire chief, fire extinguisher serviceman, fireman, fire marshal, and fire department equipment man.
Air Force No. 22 Fabric, Leather, And Rubber (W)	Personnel in this field inspect parachute fabrics and metal parts; pack and test parachutes; fabricate and repair fabric and leather articles; repair clothing, inner tubes, and life rafts; and re-tread tires.	Personnel in this field must possess a great amount of manual dexterity. School courses in shop drawing, and layout are desirable, as is training in the use of vulcanizing equipment and powered sewing machines.	Some civilian jobs closely related to those performed in the fabric, leather, and rubber field are: airplane coverer, fabric worker, parachute inspector, tire rebuilder, upholsterer, and parachute repairman.
Air Force No. 23 Marine	Personnel in this field operate and maintain crash boats and utility boats which are used by the Air Force to provide rapid rescue of personnel forced down over water.	Personnel in this field must have a knowledge of sea navigation, boat operation and maintenance. School courses in mathematics are desirable.	Some civilian jobs closely related to those performed in the marine field are: able sea man, ship electrician, chief marine engineer, and master (water transportation).
Air Force No. 24 Transportation (W)	Personnel in the transportation field have the responsibility of insuring maximum service, efficiency, and economy of transportation of supplies and personnel by aircraft, train, motor vehicles, and ship.	Personnel in this field will profit from school courses in the operation of office machines, and business arithmetic.	Some civilian jobs closely related to this field are: cargo handler, motor vehicle dispatcher, shipping clerk, traffic rate clerk, trailer truck driver, and ticket agent.
Air Force No. 25 Food Service (W)	Personnel in this field, among other things, prepare and bake bread and pastry products; prepare and cook food for serving.	Personnel in the food service field must possess manual dexterity. School courses in nutrition, inorganic chemistry, physiology and hygiene, and business mathematics are desirable.	Some civilian jobs closely related to the food service field are: beef cutter, bench hand, butcher (fish), chef, pastry cook, meat cutter, ovenman, pastry chef, pie maker, and roundsman.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 26 Supply (W)	Personnel in this field are responsible for the design, development, analysis, and operation of supply systems including supply data systems; requirements determination and computation, operation and management of material facilities; equipment review and validation; records maintenance, inventory and distribution control; budget computation; financial plans; and inspection and identification.	Personnel in this field will profit from school courses in accounting and business administration.	Some closely related civilian jobs are: junior accountant, machine records section supervisor, receiving clerk, shipping clerk, and stock clerk.
Air Force No. 27 Procurement (W)	Personnel in this field are responsible for the procurement of material such as planes, parts, and equipment and supplies. This involves preparation of contracts, and specifications and advertising for bids.	Personnel in this field must possess considerable clerical aptitude. School courses in business arithmetic, bookkeeping and accounting, business law, and merchandising are desirable.	Some civilian jobs closely related to those performed in the procurement field are: billing clerk, checker, general clerk, expeditor, field clerk, purchasing agent, shipping clerk, and procurement clerk.
Air Force No. 28 Accounting and Finance and Auditing (W)	Personnel in this field prepare the documents required to account for and disburse Air Force funds, including budgeting, allocation, disbursing, accounting, auditing, and the preparation of cost analysis records.	Personnel in this field are required to have some dexterity in the operation of business machines. School courses in typing, mathematics, statistics, and accounting are desirable.	Some civilian jobs closely related to those performed in the accounting, finance, and auditing field are: cost accountant, public accountant, auditor, bookkeeper, budget clerk, and paymaster.
Air Force No. 29 Data Systems (W)	Personnel in this field collect, process, record, prepare and submit data for various automated systems, as well as analyze and interpret manual reports, automated data products and data elements.	Personnel in this field must have some manual dexterity in the use of business machines. School courses in mathematics, accounting, English, and in the operation of business office machines is desirable.	Some closely related civilian jobs are: key punch operator, statistical clerk, statistical technician, statistician, sorting machine operator, machine records unit supervisor, and tabulating machine operator.
Air Force No. 30 Administrative (W)	Personnel in this field prepare correspondence, teletypes, statistical summaries, and arrange priority and distribution systems. They maintain files, prepare and consolidate reports, and arrange for graphic presentations.	Personnel in this field must have considerable manual dexterity. School courses in business arithmetic, business law, business English, filing, and shorthand are desirable, as is training in office machine operations.	Some civilian jobs closely related to the administrative field are: chief clerk, general clerk, law clerk, office manager, post office clerk, secretary, stenographer, and stenotype operator.
Air Force No. 31 Printing	Personnel in this field operate and maintain many types of reproduction equipment used in the graphic arts. They perform hand and machine composition, and binding operations.	Printing personnel must possess considerable mechanical ability and dexterity. School courses in spelling, journalism and grammar are desirable as is training in shop mechanics.	Some closely related civilian jobs are: compositor, dark-room man, linotype operator, lithographic pressman, photo-engraver, photograph printer, photolithographer, and photostat operator.
Air Force No. 32 Information (W)	Information personnel collect, evaluate, prepare, and disseminate news of Air Force activities to newspapers, bulletins, radio, and television stations. They also perform historical research and writing.	Information personnel must possess considerable skill in interviewing personnel. School courses in civics, grammar, news reporting, composition, proofreading, news writing, and editing are desirable.	Some closely related civilian jobs are: continuity writer, copyreader, newspaper managing editor, news editor, news analyst, news specialist, public relations man, historian, radio news copyman, and script writer.
Air Force No. 33 Personnel (W)	Personnel in this field interview, classify, and select career jobs for airmen on the basis of qualifications and requirements of the Air Force. They also administer aptitude and performance tests.	Personnel in this field should have completed high school courses in English composition and speech and should be familiar with civilian occupations. Operation of simple data processing equipment and typing ability are desirable attributes.	Some closely related civilian jobs are: clerical technician, employment interviewer, industrial research worker, job analyst, personnel manager, personnel counselor, safety man, and statistical research assistant.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 34 Special Services (W)	Special Services personnel conduct physical conditioning, act as coach for various sports programs, maintain athletic equipment and facilities, and referee games.	Special services personnel should possess good muscular coordination. School courses in English are desirable.	Some civilian jobs closely related to those performed in the special services field are: athletic director, playground director, physical instructor, and manager of a recreational establishment.
Air Force No. 35 Education and Training (W)	Personnel in this field conduct formal classes of instruction, use training aids, develop material for various courses of instruction, and teach classes in general academic subjects and fundamental military matters.	Personnel in this field are required to have considerable instructor aptitude. School courses in English composition, are desirable.	Some closely related civilian jobs are: military instructor, commercial teacher, college teacher, high school or vocational school teacher, tutor and first aid teacher.
Air Force No. 36 Band	Personnel in this field play musical instruments in concert bands and orchestras, repair and maintain instruments, sing in glee clubs, perform as drum majors, arrange music, and maintain music libraries.	Personnel in this field must have considerable finger dexterity in order to play musical instruments. School courses in the rudiments of music, elementary theory of music, and orchestration are desirable.	Some civilian jobs closely related to those performed in the band field are: musical specialist, instrumental musician, orchestra leader, and orchestrator.
Air Force No. 37 Security Police	Personnel in this field provide security for classified information and material, enforce law and order, control traffic, and protect lives and property. They also are organized as local ground defense forces.	Personnel in the security police field must be in good physical condition and have good vision and hearing. School courses in civics and the social sciences are desirable.	Some civilian jobs closely related to those performed by security police are: guard, penitentiary guard, motorcycle patrolman, police inspector, police officer, watchman, and superintendent of police.
Air Force No. 38 Special Investigations and Counter Intelligence (W)	Personnel in this field investigate violations of the Uniform Code of Military Justice and applicable Federal statutes. They investigate conditions pertaining to sabotage, espionage, treason, sedition, and security.	Personnel in this field must have a knowledge of law enforcement and security regulations, be physically fit, and have good hearing and vision. School courses in civics and the social sciences are desirable.	Some civilian jobs closely related to those performed in the special investigations and counter-intelligence field are: detective, chief of detectives, detective sergeant, and investigator.
Air Force No. 39 Medical (W)	Personnel in this field have ancillary functions in providing medical, veterinary, and administrative services required in a medical facility.	Personnel in this field must have a knowledge of first aid and possess the ability to assist professional medical personnel. School courses in anatomy, and chemistry are desirable.	Some civilian jobs closely related to those performed in the medical field are: laboratory technician, x-ray technician, orthopedic technician, pharmacist, physical therapist, and surgical orderly.
Air Force No. 40 Aircrew Protection	Personnel in this field perform pararescue and land rescue operations in arctic, tropical, desert, and water areas, providing medical care, camp erection, instruction of air crews in the use of survival techniques and protective equipment.	Excellent physical qualifications are required, and knowledge of pioneering and woodsman activities is very helpful.	No civilian job covers the scope of the jobs in this career field, but a related job is that of a hunting or fishing guide.
Air Force No. 41 Dental (W)	Personnel in this field are involved in the operation of dental facilities and assist in dental care of personnel. Included in this field are the treatment of oral tissues and the restoration of teeth.	Jobs in the dental field call for knowledge of oral and dental anatomy. School courses in anatomy, biology, and chemistry are desirable.	A civilian job closely related to those performed in the dental field is that of dental hygienist.
Air Force No. 42 First Sergeant (W)	First sergeants assist squadron commanders in managing squadron activities and exercise general supervision over assigned airmen personnel.	Airmen in this career field must have a knowledge of personnel management and administration; military training and military subjects such as Air Force organization, drill, ceremonies, customs, military justice, and counseling techniques.	No civilian job covers the scope of the duties in this career field.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Air Force No. 43 Missile Maintenance	Personnel in this field are employed in missile engine installation, maintenance, and repair; and the maintenance, repair, and modification of missile airframes, sub-systems, and associated aerospace ground equipment.	Personnel in this field must have considerable mechanical aptitude and manual dexterity. School courses in mathematics, physics, electricity, and machine shop are desirable.	Some civilian jobs closely related to those performed in the missile maintenance field are: electrician, airplane mechanic, and hydraulic tester.
Air Force No. 44 Civil Engineering Mechanical/ Electrical	Personnel in this field are involved in the installation, operation, maintenance and repair of air and missile base direct support systems and equipment and missile weapon systems support facilities.	Personnel in this field will profit from school courses in physics, mathematics, blueprint reading, and electricity.	Some civilian jobs closely related to those performed in the civil engineering mechanical/electrical field are elevator repairman, electrician, lineman, powerhouse repairman, diesel mechanic, refrigeration mechanic, pipefitter, steamfitter, and heating and ventilating man.
Air Force No. 45 Supply Services (W)	Personnel in this field supervise and operate sales stores, laundry/dry cleaning facilities, commissaries, meat processing, and redistribution and marketing activities.	Personnel in this field will profit from school courses in nutrition, chemistry, metallurgy, management, and marketing.	Some civilian jobs closely related to those performed in the supply services field are: department manager, retail general merchandise manager, meat cutters, and butchers.
Air Force No. 46 Fuel Services	Personnel in this field receive, store, dispense, test, and inspect missile liquid fuel propellants, oxidizers, pressurants, and petroleum fuels and products.	Personnel in this field will profit from school courses in chemistry and arithmetic.	Some civilian jobs closely related to those performed in the fuel services field are petroleum industry foreman and bulk plant manager.
Air Force No. 47 Management Analysis (W)	Personnel in this field collect, process, record, control, analyze, and interpret special and recurring reports, statistical data, and other information.	Completion of high school or GED equivalent is mandatory for personnel in this field.	Some civilian jobs closely related to those performed in this field are statistical clerk, accounting clerk, and budget clerk.

U.S. Marine Corps Career Fields



Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Marine Corps No. 1 Personnel and Administration (W)	Marines in this field perform duties as personnel classification clerks, administrative specialists, legal clerks, and postal clerks. Work is essentially clerical.	Personnel and administration duties require reasoning and verbal ability, and clerical aptitude. School courses in English composition, typing, shorthand, and social studies would be helpful.	Some civilian jobs related to those in this field are: secretary-typist, vocational adviser, employment interviewer-manager, office manager, job analyst, court reporter, law clerk, and postal clerk.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Marine Corps No. 2 Intelligence (W)	Intelligence specialists collect, record, evaluate, and interpret all kinds of information; makes detailed study of aerial photographs, conducts interrogations in foreign languages, translates written material and interprets conversations.	High school courses in geography, history, government, economics, English, foreign languages, typing, mechanical drafting, and mathematics would be most beneficial.	Typical civilian jobs related to intelligence work are: investigator, research worker, intelligence analyst (government), map draftsman, cartographic aide, and records analyst.
Marine Corps No. 3 Infantry	From basic infantryman, a marine advances as a rifleman, machine gunner, or mortar gunner to become an infantry unit leader, who supervises training and operations of an infantry unit.	Verbal and arithmetic reasoning, good vision, and stamina are needed. General mathematics, mechanical drafting, geography, and mechanics courses would be helpful.	Some civilian jobs related to work in this field are: firearms assembler, assistant gunsmith, policeman, immigration inspector, and plant security policeman.
Marine Corps No. 4 Logistics (W)	Logistics specialists perform administrative duties involving the overall supply, quartering, and transport of marine units. They also plan the movement of supplies, troops, and equipment.	Logistics work requires number facility, verbal and reasoning ability, and clerical aptitude. Mathematics, typing, office machine operation, and bookkeeping would be helpful.	A few of the civilian jobs related to logistics are: inventory clerk, shipping clerk, pier superintendent, stock control clerk or supervisor, and warehouse manager.
Marine Corps No. 5 Field Artillery	Field artillerymen fire and maintain rocket and missile batteries, heavy mortars, and self-propelled 155-mm guns, 8-inch and 105-mm howitzers. Specialties range from batteryman to radar operator.	Arithmetic reasoning, mechanical aptitude, good vision, and stamina are important. Knowledge of mathematics, physics, mechanics, electricity, meteorology, and mathematics would be useful.	Some civilian jobs related to specialties in this field are: surveyor, geodetic computer, meteorologist, radio operator, recording engineer, and ordnance inspector.
Marine Corps No. 6 Utilities	Installation, operation, and maintenance of electrical, water supply, heating, plumbing, sewage, refrigeration, and air-conditioning equipment and systems are utilities specialties.	Mechanical aptitude and manual dexterity are important. Vocational school shop courses in industrial arts and crafts would be beneficial for young men entering the utilities field.	Typical civilian jobs related to specialties in the utilities field are: electrician, plumber, steam fitter, refrigeration mechanic, electric motor repairman, and stationary engineer.
Marine Corps No. 7 Construction Equipment and Shore Party	This field involves metalworking, operation and maintenance of fuel storage areas, operation and repair of heavy engineering and pioneer equipment—diesel and gasoline driven and construction and repair of military structures and facilities.	High school vocational courses in automotive mechanics, sheet metal working, machine shop, carpentry, and mechanical drafting would provide most useful background.	Civilian jobs related to specialties in this field are: sheet metal worker, engineering equipment mechanic, carpenter, road machinery operator, rigger, and construction superintendent.
Marine Corps No. 8 Drafting and Surveying (W)	Specialists make architectural and mechanical drawings, survey for construction projects and preparation of military maps, and make topographic maps, creates or copies articles or illustrative materials.	High school courses in mathematics, mechanical drawing and drafting, geography and commercial art would be preparation for training and work in the drafting and surveying field.	Some of the civilian jobs related to specialties in this field are: architectural or mechanical draftsman, surveyor, cartographer, geodetic computer, illustrator, and commercial artist.
Marine Corps No. 9 Lithography (W)	This field includes letterpress and lithographic offset printing and reproduction. Specialists set type, operate linotype machines, presses, process cameras, and book-binding equipment.	Attentiveness to detail and some mechanical aptitude are required of printers. School courses in general mathematics, printing, and other graphic arts would be most useful.	Some directly related civilian jobs are: printing compositor, linotype operator, photolithographer, pressman, printing makeup man, proofreader, bookbinder, and printing plant foreman.
Marine Corps No. 10 Tank and Amphibian Tractor	Crewmen serve as drivers, gunners, and loaders in tanks, armored amphibians, and amphibious tractors; advance to tank or amphibian commanders.	Tankmen need mechanical ability, good vision, and stamina. Vocational high school courses in automotive mechanics, machine shop, electricity, and mechanical drawing would be useful.	Some related civilian jobs are: automotive mechanic, bulldozer operator or repairman, caterpillar repairman, armament machinist-mechanic, and gunsmith assistant.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Marine Corps No. 11 Armament Repair (W)	Armament repairmen inspect, maintain, and repair: infantry, artillery, and anti-aircraft weapons; fire control optical instruments; operates machine tools or modifies metal parts and maintains timepieces and similar instruments.	Preparation for work in this field should include studying such high school courses as mathematics, physics, mechanics, machine shop, and blueprint reading, welding and heat treatment of metal and electricity.	Some related civilian jobs are: armament mechanic-machinist, gunsmith, time-recording equipment serviceman, tool and die maker, radio electrician, optical instrument inspector, and electrical engineer.
Marine Corps No. 13 Ammunition, Explosive Ordnance Disposal, and Atomic	Ammunition and explosive ordnance disposal technicians inspect, issue, and supervise the storage of ammunition and explosives; locate, disarm or detonate, and salvage unexploded bombs and other explosives.	Knowledge of high school level mechanics, general science, physics, and chemistry would be beneficial in the ammunition and explosive ordnance disposal field.	Some related civilian jobs are: firearms and ammunition proof director, ordnance technician (government), and powder and explosives inspector.
Marine Corps No. 14 Operational Communications (W)	Specialists lay communications wire; install and operate field telephone equipment; set up and operate field radio, radio telegraph, radio relay, and teletypewriter equipment; encode and decode messages.	High school courses in mathematics, physics, typing, electricity, and electronics would be useful in the operational communications field.	Some related civilian jobs are: radio operator, telegraphic-teletypewriter operator, telephone lineman, radio broadcasting traffic manager, and communications engineer.
Marine Corps No. 15 Telephone and Teletype Maintenance (W)	Maintenance specialists install, inspect, and repair telephone, teletype, and cryptographic equipment and cables, calibrates precision electronic, mechanical, dimensional and optical test instruments.	Students interested in this field should include mathematics, physics, electricity, and blueprint reading courses in their high school studies.	Typical civilian jobs related to work in this field are: telephone installer and trouble shooter, radio repairman, cable splicer, and office machine serviceman.
Marine Corps No. 16 Electronics Maintenance	Electronics technicians install, test, maintain, and repair air-search radar equipment, and radio, radio relay, sound equipment, missile landing systems and guided missile fire control and guidance systems.	Courses in electronics and missile system maintenance field, mathematics, physics, electricity, electronics, and blueprint reading would be very useful in the electronics maintenance field.	Some related civilian jobs are: radio and television repairman, radio engineer, electrical instrument repairman, recording engineer, communications engineer, and electrical engineer.
Marine Corps No. 17 Supply Administration And Operations (W)	Supplymen perform duties as: electronics, ordnance, engineering, and automotive stockmen; aviation supply clerks and supervisors; warehousemen; supply administration clerks and supervisors, and allotment accounting clerks.	High school courses in typing, bookkeeping, office machine operation, and other commercial subjects would give useful background for supply administration and operations work.	Some related civilian jobs are: shipping and receiving clerk, stock and inventory clerk, stock control supervisor, warehouse foreman-manager, parts man, and purchasing agent.
Marine Corps No. 18 Transportation (W)	Transportation specialists handle cargo and transact business of freight shipping and receiving, including routing and cost computing, and of passenger transportation for marines traveling on orders.	High school courses in typing, bookkeeping, business arithmetic, office machine operation, and other commercial subjects would be beneficial.	Typical civilian jobs related to work in this field are: shipping clerk, cargo handler, traffic rate clerk, freight traffic agent, passenger agent, and railroad station agent.
Marine Corps No. 19 Supply Services	Marines in this field may service and repair office machines, recondition and repair leather and textile equipment, and operate laundry and dry cleaning facilities.	Vocational high school or high school shop courses in electricity, mechanics, and textiles would prove useful in the supply services field.	Some civilian jobs related to the supply services field are: upholsterer, office machine serviceman, leather craftsman, dry cleaning and laundry plant foreman-manager.
Marine Corps No. 20 Food Services (W)	Food services personnel are cooks, bakers, or meat cutters. Designation as food services technician, with responsibility for overall operation of food service unit, is gained by experience and promotion.	Knowledge gained in high school hygiene, biology, chemistry, home economics, and bookkeeping courses, as well as civilian food service experience, would be useful.	Related civilian jobs are: cook-chef, baker, meat cutter or butcher, caterer, executive chef, dietician, and restaurant or cafeteria manager.

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Marine Corps No. 21 Auditing, Finance and Accounting (W)	Auditing, finance, and accounting specialists prepare and audit personnel pay records, process public vouchers, and administer and audit unit fiscal accounts.	Interest in computational work, skill in arithmetic, and attentiveness to detail are important. High school courses in typing, bookkeeping, office machines, and mathematics would be useful.	Typical civilian jobs related to disbursing specialties are: payroll clerk, cost clerk, bookkeeper, cashier, bank teller, accounting and audit clerk, and accountant.
Marine Corps No. 22 Motor Transport (W)	Marines in this field are automotive mechanics and body repairmen, motor vehicle and amphibian truck operators, and supervisors and administrators of motor transport units and facilities.	High school shop courses in automotive mechanics, machine shop, electricity, and blueprint reading would provide skills useful in the motor transport field.	Some related civilian jobs are: mechanic or body repairman, automobile electrical systems repairman, truck driver, motor vehicle dispatcher, and motor transport depot master.
Marine Corps No. 23 Steward	Stewards serve as skilled cooks, bakers, and attendants in an officers' mess or in officers' quarters. Chief stewards reach top enlisted rank.	High school courses in hygiene, chemistry, and bookkeeping, as well as civilian food service experience, would be useful.	Some related civilian jobs are: cook-chef, baker, meat cutter, caterer, and restaurant or cafeteria manager.
Marine Corps No. 24 Data Processing (W)	After training, marines operate data processing and card punch machines. With experience and promotions as operators, specialists advance to positions as data processing accountants or digital computer programmer-operators.	Duties require clerical aptitude, finger and manual dexterity, and eye-hand coordination. High school courses in typing, office machines, and other commercial subjects would be useful.	Some related civilian jobs are: key punch operator, tabulating and sorting machine operator, accounting clerk, general accountant, and cost accountant.
Marine Corps No. 25 Marine Corps Exchange (W)	Exchange specialists keep books and other financial records, audit bookkeeping records, and perform sales and merchandize stock control duties in a Marine Corps (post) exchange.	High school commercial course subjects such as typing, bookkeeping, business arithmetic, office machines, and accounting would be useful.	Some related civilian jobs are: salesman, stock control supervisor, buyer, bookkeeper, accounting clerk, accountant, and auditor.
Marine Corps No. 26 Informational Services (W)	Information specialists gather material for, write, and edit news stories, feature articles, and historical reports; gather, prepare, and edit material for radio and television broadcast.	High school courses in English grammar and composition, typing, speech, and journalism and experience on the staff of a school newspaper or yearbook would be very helpful.	Typical related civilian jobs are: news reporter-correspondent, news rewrite man, columnist, copyreader, copy editor, news editor, radio-television announcer, and script writer.
Marine Corps No. 27 Photography (W)	Marine photographers operate still, motion picture, and aerial cameras; develop film, and print photographs. Other specialists test and repair cameras, and edit motion picture film.	Students interested in photography should include in their high school studies courses in mathematics, physics, and chemistry. A shop course in electricity would be useful.	Some related civilian jobs are: commercial photographer, news photographer, cinematographer, copy cameraman, motion picture film editor, camera repairman, and instrument repairman.
Marine Corps No. 28 Band	Bandsmen play in the Marine Corps Band, unit bands, and drum and bugle corps; may become drum majors, or assistant leaders. Other skilled specialists repair musical instruments.	High school music courses and experience as a member of a high school band or orchestra would be of value.	Civilian jobs related directly to this field are: musician, music librarian, music teacher, bandmaster, orchestrator, music director, orchestra leader, and musical instrument repairman.
Marine Corps No. 29 Nuclear, Biological And Chemical	Nuclear, biological, and chemical (NBC) specialists maintain and operate NBC protective, detection, and measuring equipment and instruments; train and supervise NBC defense personnel.	Knowledge gained in high school biology, physics, and chemistry courses would give adequate background.	Some related civilian jobs are: mine inspector, gas treater, and laboratory assistant (biological, chemical, and radiological).

Career Fields	Duties and Responsibilities	Qualifications	Related Civilian Jobs
Marine Corps No. 30 Aircraft Maintenance (W)	Specialists serve as jet or reciprocating engine mechanics, structures and hydraulics mechanics, aircraft safety equipment men; prepare reports and schedules pertaining to engineering operation.	High school shop courses in automotive and aircraft mechanics, metal working, electricity, machine shop and blueprint reading, and courses in mathematics and physics would be of value.	Typical related civilian jobs are: aircraft mechanic, electrician, or hydraulics specialist; aviation machinist or sheet metal worker; aircraft instrument maker-repairman.
Marine Corps No. 31 Aviation Ordnance	Aviation ordnancemen inspect, maintain, and repair aviation ordnance such as machine guns and cannons; assemble and load bombs and rockets; and handle and store aviation munitions.	Knowledge gained in high school physics course and in electricity, hydraulics, and mechanics shop courses would be useful in the ordnance field.	Some civilian jobs related to work in the aviation ordnance field are: firearms assembler, gunsmith, armament mechanic, and aircraft accessories repairman.
Marine Corps No. 32 Aviation Electronics (W)	Technicians install and repair aircraft and aviation ground radio and radar equipment and systems; repair airborne fire control equipment; repair air-launched guided missiles; serve as electricians and instrument repairmen.	Importance of high school mathematics and physics courses is stressed. High school shop courses in electricity and electronics would be useful.	Some related civilian jobs are: radio and television repairman, electrical instrument repairman, communications engineer, and electrical or electronics engineers.
Marine Corps No. 33 Air Control/ Anti-Air Warfare (W)	According to specialties, air controllers operate airfield control towers and radio-radar air traffic control systems; others, aircraft crewmen, are navigators and radio and radar operators, and anti-air warfare missile battery men.	A clear speaking voice, good hearing, and better than average eyesight are important. High school courses in speech, mathematics, and electricity and experience as a radio "ham" would be helpful.	Some closely related civilian jobs are: airport control tower operator, flight radio operator, navigator, instrument-landing truck operator, and radio or television studio engineer.
Marine Corps No. 34 Aerology (W)	Specialists using various instruments and equipment observe and record weather conditions, collect and distribute weather data, and forecast weather conditions and trends.	High school courses in general science, geography, and physics would provide useful background knowledge for aerology specialists.	Some closely related civilian jobs are: weather observer and forecaster, airways observer, weatherman, meteorological plotter, flight-advisory meteorologist, and meteorologist.
Marine Corps No. 35 Aviation Training Devices (W)	Aviation training device specialists instruct pilots in instrument flying techniques through the use of instrument trainers, and adjust and repair flight instrument trainers.	High school courses in mathematics and physics and shop courses in electricity, electronics, and hydraulics would be helpful.	Some civilian jobs related to work in the aviation training devices field are: link trainer instructor, radio operator, instrument inspector, office machine salesman, and instrument instructor.
Marine Corps No. 36 Aviation Operations (W)	Aviation operations specialists maintain aircraft log books, publications, and flight operations records; prepare reports and schedules pertaining to aviation operations; install and repair aircraft launching and recovery equipment.	High school courses in typing, geography, and mechanical drawing would be useful.	Some civilian jobs related to work in the aviation operations field are: airplane dispatch clerk, flight dispatcher, and timekeeper.
Marine Corps No. 37 Flight Equipment (W)	Marines in this field inspect, maintain, and repair parachutes, flight survival equipment, and carbon dioxide and oxygen equipment; others prepare supplies and equipment for air drops.	Vocational high school courses in leathercraft and textiles would be useful.	Some civilian jobs related to work in the flight equipment field are: parachute packer or repairman, aircraft fabric worker, automobile upholsterer, gas worker, and sewing machine serviceman.

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