

As of 1/2023

**Navigation Commission – Military Occupational Crosswalk**

Licensed Occupations: [Pilot – 1<sup>st</sup> Class](#), [Pilot – 2<sup>nd</sup> Class](#), [Pilot – 3<sup>rd</sup> Class](#), [Pilot – 4<sup>th</sup> Class](#), [Pilot – 5<sup>th</sup> Class](#), [Pilot – 6<sup>th</sup> Class](#)

**Air Force**

Related Occupations (Military Occupation Code):

No related occupations

**Army**

Related Occupations (Military Occupation Code):

No related occupations

**Coast Guard**

Related Occupations (Military Occupation Code):

- Boatswain's Mate (BM) [Enlisted]

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**Marines**

Related Occupations (Military Occupation Code):

- Reconnaissance Marine (321) [Enlisted]

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**Navy**

Related Occupations (Military Occupation Code):

- Quartermaster (W13A) [Enlisted]

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**Navigation Commission**  
Maritime Pilot

<b>Experience Requirement</b>	<p><b>3 - 12 Years</b></p> <p>Once individuals become licensed as sixth-class pilots, their training and experience must continue before they can attain a first-class license. To achieve this, they will serve for at least one year in each of five classes of licensure. The Commission issues the following classes of pilot licenses based on the maximum draft of the vessel that may be piloted: sixth-class license, a maximum draft of 27 feet; fifth class license, a maximum draft of 32 feet; fourth-class license, a maximum draft of 35 feet; third class license, a maximum draft of 40 feet; second-class license, a maximum draft of 45 feet; and first-class license, unlimited draft. Therefore, as a pilot gains more experience, the pilot commands larger vessels.</p> <p>An individual seeking to become a pilot must first become an apprentice. A four-year apprentice will complete approximately 800 trips on the Delaware River and Bay under the supervision of a state-licensed pilot while a three-year apprentice will complete approximately 650 trips.</p>
<b>Education Requirement</b>	<p><b>Bachelor's Degree</b></p> <p>An applicant must have either a bachelor's degree from an accredited college, university, or maritime academy; or a United States Coast Guard-issued license to serve as third mate on all oceans aboard vessels of at least 1,600 tons, or a higher class of license.</p>
<b>Examination Requirement</b>	<p><b>1 Examination</b></p> <p>Apprentices must pass a written examination to become a sixth-class pilot. This examination covers four topics: rules of the road, chart work, ship handling, and anchoring and local knowledge.</p>
<b>Profession definition</b>	<p>A person duly qualified to steer ships into or out of a harbor or through certain difficult waters.</p>

**Coast Guard**  
Boatswain's Mate (BM) [Enlisted]

<b>Job Duties</b>	<ul style="list-style-type: none"> <li>Boatswain's mates can be found in nearly every duty station available throughout the United States and various locations overseas.</li> <li>They serve on every Coast Guard Cutter, from harbor tugs to sea-going icebreakers.</li> <li>Experts in navigation, small boat operations, deck operations, crane and pulley systems, search and rescue, deck maintenance, and small arms.</li> <li>Mates are Officers in Charge of patrol boats, tugs, small craft, and small shore units including search and rescue stations and aids to navigation teams. BMs utilize their leadership and expertise to perform the missions of the Coast Guard, at sea and on shore.</li> </ul>
<b>Education/ Training</b>	<ul style="list-style-type: none"> <li>Training is accomplished through 14 weeks of intensive training at Yorktown, Va.</li> <li>Once initial training is completed, BMs may go on to advanced training such as coxswain, heavy weather coxswain, tactical coxswain, aids to navigation basic and advanced, buoy deck supervisor, command cadre school, and various law enforcement schools.</li> </ul>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>High caliber leadership qualities;</li> <li>Physical strength;</li> <li>Good hearing;</li> <li>Normal color vision;</li> <li>A high degree of manual dexterity, all while demonstrating an aptitude to apply learned skills to new situations.</li> </ul>
<b>Related Credentials Offered</b>	<ul style="list-style-type: none"> <li>National Able Seaman</li> <li>National Entry Level Ratings</li> <li>National Lifeboatman and Lifeboatman-Limited</li> <li>National Master 100 NC</li> <li>National Master 200 NC</li> </ul>

**Licensure Requirement – Military Experience Equivalency Notes**

All pilots must go through the apprentice program to be commissioned as a Maritime Pilot.

Thus, servicemember would have to apply to be an apprentice. Military background and experience could be considered in accepting servicemembers into the program and may be used to alter their years of required training from four years to three, depending on the servicemember's specific experience.

To be eligible for consideration for appointment as an apprentice pilot, an applicant must have either:

(a) a bachelor's degree from an accredited college, university, or maritime academy or

(b) a United States Coast Guard-issued license to serve as third mate on all oceans aboard vessels of at least 1,600 tons, or a higher class of license.

Applicants will be judged on relevant education and experience, physical fitness, and moral character. Prior maritime experience is desirable but not mandatory.

An apprentice who, at the time of appointment, possesses at least a third mate's license will serve a three-year apprenticeship; an apprentice who does not possess at least a third mate's license will serve a four-year apprenticeship.

**Navigation Commission**  
Maritime Pilot

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**Marines**  
Reconnaissance Marine (321) [Enlisted]

<b>Job Duties</b>	<ul style="list-style-type: none"> <li>Responsible for highly refined scouting and patrolling skills.</li> <li>Advanced proficiency in scout swimming, small boat operations, close combat skills, airborne, surface and sub-surface insertion and extraction techniques, assault climbing, demolitions, forward observer procedures for supporting arms, initial terminal guidance operations for heliborne assaults, airborne insertion operations, and various waterborne operations.</li> <li>Specializes in communications, photography, threat weapons and equipment recognition, and various types of point, area, and related necessary overlap of ground amphibious reconnaissance operations.</li> </ul>
<b>Education/ Training</b>	<p>The Basic RECON Course is nine weeks long and has three phases:</p> <ul style="list-style-type: none"> <li>Phase 1 focuses on Marine individual physical skills such as running, high repetition PT, obstacle courses, ocean swims with fins, rucking, land navigation, helicopter rope suspension training, communications, and supporting arms.</li> <li>Phase 2 focuses on the tactical mission. Small unit tactics, mission planning, and several day-full mission profile exercises are included.</li> <li>Phase 3 focuses on the maritime mission, boat operations, and small boat navigation.</li> </ul>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>Score of 105 or higher on the general technical segment of the Armed Services Vocational Aptitude Battery (ASVAB) tests</li> <li>First-class swimmer qualification</li> <li>First-class score on the physical fitness test</li> <li>All Marines must successfully complete the Marine Rifleman Course</li> </ul>
<b>Related Credentials Offered</b>	<ul style="list-style-type: none"> <li>Advanced Open Water Diver</li> <li>Air Diver</li> <li>Bell/Saturation Diver</li> <li>Certified Corrections Officer</li> <li>Certified Corrections Officer/Provisional</li> </ul>

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**Navy**  
Quartermaster (W13A) [Enlisted]

<b>Job Duties</b>	<ul style="list-style-type: none"> <li>• In charge of the watch-to-watch navigation and the maintenance, correction, and preparation of nautical charts and navigation publications.</li> <li>• Responsible for navigational instruments and clocks and the training of ship's lookouts and helmsmen.</li> <li>• Perform ship control, navigation, and bridge watch duties;</li> <li>• Procure, correct, use, and stow navigational and oceanographic publications and charts;</li> <li>• Maintain navigational instruments and keep correct navigational time</li> </ul>
<b>Education/ Training</b>	<ul style="list-style-type: none"> <li>• Quartermasters must successfully complete eight weeks of Navy Recruit Training, at the Recruit Training Command, Great Lakes (RTC Great Lakes).</li> <li>• Sailors are taught the fundamentals of navigation and oceanography through classroom and group instructions.</li> <li>• Upon graduation, the new Quartermasters must be able to conduct weather observations, operate electronic navigation equipment, determine compass and gyro error, keep logs and records, compute times of sunrise and sunset, compute tide and tidal current data, determine their ship's position by visual and electronic means, and follow the nautical rules-of-the-road to prevent collisions at sea.</li> </ul>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• Must have normal color perception.</li> <li>• Vision must correct to 20/20.</li> <li>• Must have normal hearing.</li> <li>• Must have a high school diploma or equivalent.</li> <li>• Must have an Armed Forces Vocational Aptitude Battery (ASVAB) score of VE (Verbal) + AR (Arithmetic Reasoning) = 96.</li> </ul>
<b>Related Credentials Offered</b>	<ul style="list-style-type: none"> <li>• Certified Computer Skills Specialist</li> <li>• Gernal Communications Technician - Level 1</li> <li>• IC3 Digital Literacy Certification</li> <li>• International Computer Driving License</li> <li>• Microsoft Office Specialist</li> </ul>

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