



Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) (MMN-SS-ELT)

January 2021





United States Navy Ethos

We are the United States Navy, our Nation's sea power - ready guardians of peace, victorious in war.

We are professional Sailors and Civilians - a diverse and agile force exemplifying the highest standards of service to our Nation, at home and abroad, at sea and ashore.

Integrity is the foundation of our conduct; respect for others is fundamental to our character; decisive leadership is crucial to our success.

We are a team, disciplined and well-prepared, committed to mission accomplishment. We do not waver in our dedication and accountability to our Shipmates and families.

We are patriots, forged by the Navy's core values of Honor, Courage and Commitment. In times of war and peace, our actions reflect our proud heritage and tradition.

We defend our Nation and prevail in the face of adversity with strength, determination, and dignity.

We are the United States Navy.



The Sailor's Creed

I am a United States Sailor.

I will support and defend the Constitution of the United States of America and I will obey the orders of those appointed over me.

I represent the fighting spirit of the Navy and those who have gone before me to defend freedom and democracy around the world.

I proudly serve my country's Navy combat team with Honor, Courage, and Commitment.

I am committed to excellence and the fair treatment of all.

CAREER ROADMAP

Fireman Recruit to Master Chief Roadmap

The educational roadmap below will assist Sailors in the Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) community through the process of pursuing professional development and advanced education using various military and civilian resources e.g. PQS program; JST Joint Service Transcript; E-Learning; Navy College Network; etc. Successful leadership is the key to military readiness and will always require a high degree of technical skill, professional knowledge, and intellectual development.

What is a Career Roadmap for Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT)?

Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) roadmaps are just what the name implies - a roadmap through the Enlisted Learning and Development Continuum from Fireman Recruit through Master Chief. The principal focus is to standardize a program Navy wide by featuring the existing skills necessary to be successful in the Navy. The ultimate goal of a roadmap is to produce a functional and competent Sailor.

What is the Enlisted Learning and Development Continuum?

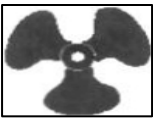
Enlisted Learning and Development Continuum is the formal title given to the curriculum and process building on the foundation of Sailorization beginning in our Delayed Entry Program through Recruit Training Command and throughout your entire career. The continuum combines skill training, professional education, well-rounded assignments, and voluntary education. As you progress through your career, early-on skill training diminishes while professional military education gradually increases. Experience is the ever-present constant determining the rate at which a Sailor trades skill training for professional development.

Do Sailors have to follow the Roadmap?

Yes. The Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) roadmap includes the four areas encompassed by the Continuum in Professional Military Education to include; Navy Professional Military Education (NPME), Joint Professional Military Education (JPME), Leadership and Advanced Education.

Some training and education is mandatory (Recruit Training, Machinists Mate Nuclear - ELT (Submarines) School at Charleston, SC, E-Learning, etc.). Some may be directed by your chain of command (Microsoft Excel and PowerPoint courses), and the remainder is voluntary (MNP, E-Learning, college courses, etc.). Sailors are advised to seek out mentors, including your Command Master Chief, Senior Enlisted Advisor, Leading Chief Petty Officer, Leading Petty Officer and Command Career Counselor, and to make use of your Navy College Virtual Education Center (VEC) or OCONUS Education Office's vast resources. All are uniquely qualified to help you along the way.

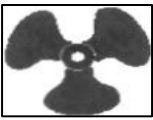
Notes:



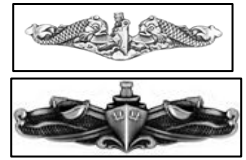
MMN CAREER PATH (SS AND SW)



| Machinist's Mates (Nuclear) are involved in the supervision, operation, maintenance and administration of naval nuclear propulsion plants and associated equipment. They have a thorough understanding of reactor, electrical and mechanical theory involved in the operation of the nuclear reactor, steam plant, propulsion plant and auxiliary equipment. Some (ELTs, LETTs) possess a detailed knowledge of reactor and steam plant chemistry and radiological controls. They operate and perform maintenance on reactor and propulsion mechanical systems, steam systems and supporting equipment and systems. | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| YEARS OF SERVICE | CAREER MILESTONES | AVERAGE TIME TO PROMOTE | COMMISSIONING OR OTHER SPECIAL PROGRAMS | SEA/SHORE FLOW | TYPICAL CAREER PATH DEVELOPMENT |
| 26-30 | MMNCM | 19 Yrs | CSEL | 36 | 4th Shore Tour Billet: CSEL/Plant Master Chief/ Staff Inst./Maint. Sup. Duty: NPTU/NFAS/NPS/IMA/Staff. Qualification: NEC N15S/N16S/N25S/N26S, N31Z/N32Z |
| 24-25 | MMNCM | 19 Yrs | CSEL | 40 | 4th Sea Tour Billet: CSEL/Dep. LCPO/EDMC/RDMC. Duty: SSN/SSBN/SSGN {N15S/N16S}/CVN {N25S/N26S}. Qualification: NEC N15S/N16S/N25S/N26S, N31Z/N32Z |
| 21-23 | MMNCM | 19 Yrs | CSEL | 36 | 3rd Shore Tour Billet: Instr./Maint. Sup./Staff/Recruiter. Duty: NPTU/NFAS/NPS/IMA/Staff/Recruiting. Qualification: NEC N15S/N16S/N25S/N26S, N31Z/N32Z |
| 18-20 | MMNCM MMNCS | 19 Yrs 15 Yr | CSEL | 40 | 3rd Sea Tour Billet: Dep. LCPO/EDMC/Div. LCPO. Duty: SSN/SSBN/SSGN {N15S/N16S}/CVN {N25S/N26S}. Qualification: NEC N15S/N16S/N25S/N26S, N31Z/N32Z |
| 14-17 | MMNCS | 15 Yrs | LDO, CSEL | 36 | 2nd Shore Tour Billet: Instr./Ship and Component Main Tech./ Staff/Recruiter. Duty: NPTU/NFAS/NPS/IMA/Staff/Recruiting. Qualification: NEC N15S/N16S/N25S/N26S, N32Z |
| 10-13 | MMNC | 11 Yrs | LDO | 40 | 2nd Sea Tour Billet: Division LPO/Asst. LPO/Division LCPO. Duty: SSN/SSBN/SSGN {N15S/N16S}/CVN {N25S/N26S}. Qualification: NEC N15S/N16S/N25S/N26S, N32Z |
| 7-9 | MMN1 | 6 Yrs | STA-21(N), LDO | 36 | 1st Shore Tour Billet: Instr./Maint Tech/Recruiter. Duty: NPTU/NFAS/NPS/IMA/Recruiting/RDC. Qualification: NEC N15S/N16S/N25S/N26S |
| 3-6 | MMN1 MMN2 | 6 Yrs 3 Yrs | STA-21(N) | 48 | 1st Sea Tour Billet: Steam/Reactor Plant Operator/Maint. Tech. Duty: SSN/SSBN/SSGN {N15O/N16O}/CVN {N25O/N26O}. Qualification: Senior in Rate/Warfare Qual/ Supervisor NEC N15S/N16S/N25S/N26S |
| 1-2 | MMN3 Accession Training | 14 wks "A" School Completion | STA-21(N) | N/A | Recruit/Apprenticeship Training (up to 82 weeks) Duty: RTC/NFAS/NPS/NPTU. (Some will have 24-month Junior Staff Instructor tour at NPTU). Qualification: NEC N91T |



MMN CAREER PATH (SS AND SW)



Notes:

1. MMNs are rarely detailed outside the nuclear community.
2. The nuclear community values sustained, superior performance at sea in a leadership role (Leading Petty Officer (LPO), Leading First, etc.) and on shore duty (training, maintenance, recruiting, Recruit Division Commander, etc.).
3. Variety of experience and success in various positions are beneficial to our future leadership positions. Those assigned to Forward Deployed Naval Forces (FDNF) and Courier Positions are specially screened.

Candidates for advancement from E6 to E7 are:

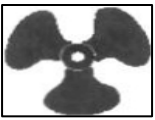
- a. FULLY QUALIFIED if:
 - 1) They possess a supervisor NEC (N15S/N16S for submarines, N25S/N26S for surface) AND
 - 2) Previously or currently qualified Engineering Watch Supervisor or Propulsion Plant Watch Supervisor.
 - 3) N16S have obtained the Leading Engineering Laboratory Technician (LELT) qualification.
- b. BEST QUALIFIED if they meet the FULLY QUALIFIED standard AND:
 - 1) Served as LPO, Assistant LPO, Leading First, LELT, or Engineering Department Training Assistant for 12 or more months OR
 - 2) Have a history of sustained superior performance defined as a majority of their Individual Trait Averages ABOVE Reporting Senior Cumulative Average.
- c. NOT ELIGIBLE: Per BUPERSINST 1430.16, members participating in a commissioning program (STA-21 Nuclear/Core) are not eligible for advancement to CPO. Per reference BUPERSINST 1430.16, members who have a special category NEC (N59X for submarines or N89X for surface) are also not eligible for selection to CPO
- d. AMPLIFYING INFORMATION: Few may qualify as Training Engineering Officer of the Watch (T-EOW) at a Nuclear Power Training Unit (NPTU), which is normally stood by an Officer. T-EOW requires significant leadership ability and in-depth understanding of reactor plant operations. Only the best complete this qualification.

Candidates for advancement from E7 to E8 are:

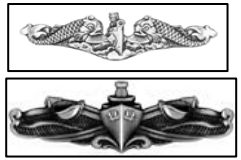
- a. FULLY QUALIFIED if:
 - 1) They meet the FULLY QUALIFIED and BEST QUALIFIED standards for advancement from E6 to E7.
 - 2) NEC N15S/N16S have obtained the Engineering Department Master Chief (EDMC) qualification (NEC N3ZZ).
- b. BEST QUALIFIED if they meet the FULLY QUALIFIED standard AND
 - 1) NEC N15S/N16S are serving or served as LELT or Leading Chief Petty Officer (LCPO) on a submarine OR Leading Crew Chief (LCC) at an NPTU.
 - 2) NEC N25S/N26S are serving or served as Reactor Auxiliary, Reactor Laboratory, Reactor Mechanical, Reactor Propulsion, or Reactor Networks CPO or LCPO on an aircraft carrier OR LCC at an NPTU.
- c. NOT ELIGIBLE: Per BUPERSINST 1430.16, members who have a special category NEC (N59X for submarines or N89X for surface) are not eligible for selection to SCPO
- d. AMPLIFYING INFORMATION:
 - 1) For N15S/N16S, few may qualify as Chief of the Watch (COW), Diving Officer of the Watch (DOOW), or Pilot (Virginia Class), but these non-nuclear qualifications are not a prerequisite for advancement.
 - 2) For N25S/N26S, few may qualify as Propulsion Plant Watch Officer (PPWO), which is normally stood by an Officer. PPWO requires significant leadership ability and in-depth understanding of reactor plant operations. Only the best complete this qualification.
 - 3) Few may qualify as T-EOW at NPTU, which is normally stood by an Officer. T-EOW requires significant leadership ability and in-depth understanding of reactor plant operations. Only the best complete this qualification.

Candidates for advancement from E8 to E9 are:

- a. FULLY QUALIFIED if:
 - 1) They meet the FULLY QUALIFIED and BEST QUALIFIED standards for advancement from E7 to E8.
 - 2) NEC N15S/N16S are serving or served as EDMC.
 - 3) NEC N25S/N26S have obtained the Reactor Department Master Chief (RDMC) qualification (NEC N31Z).
- b. BEST QUALIFIED if they meet the FULLY QUALIFIED standard AND
 - 1) NEC N25S/N26S are serving or served as Divisional LCPO or Reactor Training Division Officer on an aircraft carrier OR Staff Training Group LCPO or LCC at NPTU.
- c. NOT ELIGIBLE: Per BUPERSINST 1430.16, members who have a special category NEC (N59X for submarines or N89X for surface) are not eligible for selection to MCPO
- d. AMPLIFYING INFORMATION:
 - 1) For N15S/N16S, few may qualify as COW, DOOW, or Pilot, but these non-nuclear qualifications are not a prerequisite for advancement.



MMN CAREER PATH (SS AND SW)



- 2) For N25S/N26S, few may qualify as PPWO, which is normally stood by an Officer. PPWO requires significant leadership ability and in-depth understanding of reactor plant operations. Only the best complete this qualification.
- 3) Few may qualify as T-EOOW at NPTU, which is normally stood by an officer. T-EOOW requires significant leadership ability and in-depth understanding of reactor plant operations. Only the best complete this qualification.



Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) Petty Officer Third Class (Apprentice/Journeyman)

NAME: _____

SKILL TRAINING

(Schools, courses and assignments directly related to occupation)

REQUIRED SKILL TRAINING

| Course Title | Course Location | CIN/CSE ID | Course Length | Date Completed |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------|---------------|----------------|
| Nuclear Power ¹ | Charleston, SC | A-661-0010 | 24 weeks | |
| Nuclear Propulsion Plant Operator Mechanical ¹ | Charleston, SC / Ballston Spa, NY | A-661-0014 | 23 weeks | |
| Nuclear Propulsion Plant Operator Engineering Laboratory Technician ¹ | Charleston, SC / Ballston Spa, NY | A-661-0015 | 13 weeks | |
| Operational Water Chemistry and Radiological Controls ¹ | Norfolk, VA / Groton, CT / Kings Bay, GA / Bangor, WA / San Diego, CA / Pearl Harbor, HI / Agana, Guam | L-4H-0027 | 12 days | |

¹ - Reserve opportunities may exist, contact Reserve Forces Code N7 for authorization.

RECOMMENDED SKILL TRAINING

| Course Title | Course Location | CIN/CSE/ACE ID | Course Length | Date Completed |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------------|
| Maxim Steam Evaporator Technician ¹ | Norfolk, VA / Groton, CT | A-652-0108 | 1 week | |
| 3K GPD Electrical Distilling Plant Combined Maintenance ¹ | Silverdale, WA / Kings Bay, GA | A-652-0201 | 1 week | |
| 12K GPD Steam Evaporator Plant Combined Maintenance ¹ | Silverdale, WA / Kings Bay, GA | A-652-0202 | 1 week | |
| R-114 York 200 Ton Air Conditioning Technician ¹ | Silverdale, WA / Kings Bay, GA | A-652-0205 | 12 days | |
| R-114 Air Conditioning System York 150 Ton ¹ | Norfolk, VA / Groton, CT / San Diego, CA / Pearl Harbor, HI | A-652-0229 | 12 days | |
| RIX HPAC/HPAD Combined Maintenance (SSN 21 and 774 Class) ¹ | Groton, CT | A-652-0264 | 12 days | |
| HFC 134A Air Conditioning Unit (450-TON) Combined Maintenance ¹ | Groton, CT / Pearl Harbor, HI | A-652-0289 | 10 days | |
| SSN 21 Class R-114 Air Conditioning System Combined Maintenance ¹ | Groton, CT | A-652-0315 | | |
| EPA Refrigeration Technician Certification ¹ | Norfolk, VA / Groton, CT / Kings Bay, GA / Bangor, WA / San Diego, CA / Pearl Harbor, HI / Agana, Guam | A-652-0344 | 1 day | |
| Machine Tool Operator ¹ | Groton, CT / Kings Bay, GA / Bangor, WA / Pearl Harbor, HI | A-702-0028 | 3 weeks | |
| SSN LPAC/LPAD Combined Maintenance ¹ | Groton, CT / Pearl Harbor, HI | A-652-0335 | 1 week | |
| Primary Valve Operator – Advanced Course ¹ | Norfolk, VA / Groton, CT / Kings Bay, GA / Bangor, WA / San Diego, CA / Pearl Harbor, HI / Agana, Guam | S-661-0018 | 4 days | |
| Operational Water Chemistry and Radiological Controls ¹ | Norfolk, VA / Groton, CT / Kings Bay, GA / Bangor, WA / San Diego, CA / Pearl Harbor, HI / Agana, Guam | L-4H-0027 | 12 days | |
| Primary Chemistry Training ¹ | Kings Bay, GA / Bangor, WA | L-661-0049 | 1 day | |
| Radioactive Spill Team Training ¹ | Kings Bay, GA / Bangor, WA | F-701-0034 | 1 day | |
| Secondary Chemistry Team Trainer ¹ | Kings Bay, GA / Bangor, WA | L-661-0044 | 1 day | |
| Shipboard Calibration Program Operator Course ¹ | Norfolk, VA / Groton, CT / Kings Bay, GA / Bangor, WA / San Diego, CA / Pearl Harbor, HI / Agana, Guam / Yokosuka, Japan | A-652-0510 | | |

¹ - Reserve opportunities may exist, contact Reserve Forces Code N7 for authorization.

NAVY ENLISTED CLASSIFICATION CODE (NEC) OPPORTUNITIES

| Course Title | Course Location | CIN/CSE/ACE ID | Course Length | Date Completed |
|--------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|---------------|----------------|
| N91T - Nuclear Propulsion Plant Operator Trainee ¹ | Charleston, SC | | 24 weeks | |
| N15O - Nuclear Propulsion Plant Operator Mechanical - Submarine ¹ | Charleston, SC / Ballston Spa, NY | A-661-0014 | 23 weeks | |
| 805A - Nuclear Operator Qualification/Staff Pickups ¹ | Charleston, SC / Ballston Spa, NY | A-661-0107 | 8 weeks | |
| N16O - Nuclear Propulsion Plant Operators – Engineering Laboratory Technician - Submarine ¹ | Charleston, SC / Ballston Spa, NY | A-661-0015 | 13 weeks | |

¹ - Reserve opportunities may exist, contact Reserve Forces Code N7 for authorization.

JOB DESCRIPTION

Operates and performs organizational level maintenance on mechanical systems for submarine nuclear propulsion plants. Safe operation of nuclear propulsion plants in accordance with sound engineering practices and governing directives. Perform maintenance and operation of auxiliary mechanical components and equipment to ensure the safe operation of the nuclear powered submarine. Perform radiological controls, water chemistry control and associated analyses for submarine nuclear propulsion plants.

RECOMMENDED BILLET ASSIGNMENTS

SEA DUTY onboard nuclear fast attack submarines (SSN), ballistic missile submarines (SSBN) or guided missile submarines (SSGN). Submarine homeports include Groton, CT; Norfolk, VA; Kings Bay, GA; Bangor, WA; San Diego, CA; Pearl Harbor, HI; and Agana, Guam.

PERSONAL AND PROFESSIONAL DEVELOPMENT
(Completed at reporting 60 day Career Development Board)

| | | | |
|------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|---------------------|
| Command Address: | | QD Phone Number: | |
| Mobilization UIC: | | | |
| Naval Reserve Activity: | | | |
| Division Officer: | | Phone Number: | |
| Leading Chief Petty Officer: | | Phone Number: | |
| Leading Petty Officer: | | Phone Number: | |
| Sponsor/Mentor: | | Phone Number: | |
| Depart/Division Career Counselor: | | Phone Number: | |
| Date of Initial Entry to Military Service (DIEMS): | | Date of Initial Entry Reserve Forces (DIERF): | |
| Pay Entry Base Date (PEBD): | | | |
| ADSD: | Report Date: | EAOS/EOS: | PRD: SEA / SHORE: / |
| PAYGRADE E4 (1 year time in service required to be eligible for advancement to E5) | | | |
| Date Advanced: | Eligible Advancement Date: | Number of times up: | |
| HYT Date: | Security Clearance Level: | Date Last updated: | |
| Command INDOC complete: | | | |

CAREER DEVELOPMENT BOARDS:

Use OPNAVINST 1040.11(ser) & Career Counselor Handbook NAVPERS 15878

(E4) Reason for Convening/Discussion Items: (Upon completion update (CIMS) Career Information Management System)

Reporting (within 60 days for active duty or four drill weekends for SELRES) (Date Conducted):

24 Month: 48 Month: 60 Month:

Family Care Plan: Mil to Mil:

Sailor 360: Special Program: Member Request:

HYT 24 months (Date): HYT Waiver Date: Approve Disapprove

C-WAY-REEN 18 months to EAOS/EOS: Career Waypoint not approved:

Rating Conversion: Navy Formal Training Schools Request ("A"/"C"etc):

Transfer: Separation: Career Status Bonus (election message received):

Physical Fitness Test Failure: Overseas Tour Extension Incentives Program (OTEIP):

Advancement Center: Visit MNP Advancement & Promotion page located under the Career & Life Events Tab
(Items to collect/discuss: Bibliography for Advancement, Enlisted Advancement Exam Strategy Guide, Profile Sheets)

Advancement:

Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series):

Commissioning Programs Applications: (prior to submission, command endorsement):

Seaman to Admiral 21 (STA-21): Medical Enlisted Commissioning Program (MECP):

Naval Academy: Naval Academy Preparatory School (NAPS):

Officer Candidate School:

RECORD REVIEW CHECKLIST

Review your Official Record to see what documentation, qualifications, etc. may be missing or requiring an update. This is a great opportunity to meet with your Mentor, Leading Petty Officer or Leading Chief Petty Officer to understand the importance of keeping your record up-to-date. Check the following three major sections to verify your Official Record:

- a. **BUPERS Online:** BUPERS Online (<https://www.bol.navy.mil>) is your main tool to ensure your record is up to date and helps you to be proactive in making the most of your promotion opportunity. You should review your:
 1. **Official Military Personnel File (OMPF):** All active duty and reserve personnel having a BOL account, a CAC (with appropriate certificates) and a CAC-enabled computer can now view their OMPF online by selecting the OMPF option on the BOL main menu page. This is the preferred method of obtaining OMPF information to eliminate the unnecessary time-lags caused by waiting days or weeks to receive a requested CD ROM.
 2. **If Deployed:** Click on "*Request Record on CD*" to order your Official Military Personnel File (OMPF). This must be accomplished four to six months before a board convenes, which will allow time for delivery and updating of your record if required.
 3. Check your **Performance Summary Record (PSR)** and **Enlisted Summary Record (ESR)** on <https://www.bol.navy.mil>, click on the "*ODC, OSR, PSR, ESR*" link.
- b. **Electronic Service Record (ESR)** Self-Service ESR: This can be viewed at <https://nsips.nmci.navy.mil> or on the Navy Standard Integrated Personnel System (NSIPS) ESR server onboard ship.
- c. **Electronic Training Jacket (ETJ):** Log in to My Navy Portal (MNP) and review your entire ETJ making sure that each section is correct. If not, clicking on "*Data Problems*" at the bottom of each page which will guide you on how to make corrections or updates.
- d. **US Navy Awards website:** Log in to <https://awards.navy.mil/> to review any awards you may qualify for but were unaware of. Note that this website is only available from a CAC enabled, NMCI machine.
- e. **Physical Readiness Information Management System (PRIMS):** To log in to PRIMIS, first log in to BUPERS Online at <https://www.bol.navy.mil>. Then look half way down the page for the PRIMIS login at <https://www.bol.navy.mil/bam/>.
- f. **EOSH:** The Federal Agency Employee Occupational Safety and Health (EOSH) Toolkit is available at https://www.osha.gov/dep/fap/eosh_toolkit.html. It provides a one-stop-shop website that includes "just in time" information about maintaining a safe and healthful workplace.

QUALIFICATIONS

| Sea/Shore General Qualifications Watch Standing Qualifications | Report Date | Completion Date <small>(N/A if not required)</small> |
|----------------------------------------------------------------|-------------|---------------------------------------------------------|
| | | |

Mandatory warfare qualification for enlisted Sailors assigned to designated warfare qualifying commands:

| Warfare qualification programs | Report Date | Completion Date <small>(N/A if not required)</small> |
|--------------------------------|-------------|---------------------------------------------------------|
| Submarines (SS) | | |

| Rate Specific/Department Qualifications (Add) | Report Date | Completion Date <small>(N/A if not required)</small> |
|-------------------------------------------------|-------------|---------------------------------------------------------|
| Department | | |
| Primary Valve Operator | | |
| Control Point Watch | | |
| Basic Engineering Qualification | | |
| In-Rate | | |
| Engineroom Lower Level | | |
| Engineroom Forward ¹ | | |
| Shutdown Roving Watch | | |
| Engineroom Middle Level ² | | |
| Engineroom Upper Level | | |
| Engineroom Supervisor | | |
| Other | | |
| QA 301 Craftsman | | |
| QA 302 Controlled Material Petty Officer (CMPO) | | |
| 3M 301 Maintenance Person | | |
| 3M 302 Repair Parts/Supply Petty Officer (RPPO) | | |

1 - N/A SSN 774 Class

2 - SSBN 726 Class only

Notes on Qualifications:

CREDENTIALING

Navy Credentialing Opportunities On-Line (Navy COOL): Navy COOL assists Sailors (active & reserve) by funding the certification & licensing exams that map their Navy education, training, experience, and competencies to industry/civilian-recognized credentials and occupational equivalents. Sailors may obtain funding for credential examinations, renewals, maintenance fees, and other mandatory examination administrative fees.

The following certifications and licenses are applicable to the MMN-Machinists Mate, Nuclear Power rating. *They may require additional education, training or experience.*

For more information about these credentials, visit NAVY COOL at <https://www.cool.navy.mil/usn/>.

| Target Paygrade | Certifying Agency | Credential Title | Date Completed |
|-----------------|--------------------------------------------------------------|----------------------------------------------------------------------|----------------|
| E5 | Institute of Certified Professional Managers (ICPM) | Certified Manager (CM) | |
| E6 | International Society of Automation (ISA) | Certified Control Systems Technician - Level I (CCST-I) | |
| E6 | International Society of Automation (ISA) | Certified Control Systems Technician - Level II (CCST-II) | |
| E6 | International Society of Automation (ISA) | Certified Control Systems Technician - Level III (CCST-III) | |
| E6 | National Registry of Radiation Protection Technologists | Registered Radiation Protection Technologist (RRPT) | |
| | North American Electric Reliability Corporation (NERC) | Balancing and Interchange Certification (BI) | |
| | North American Electric Reliability Corporation (NERC) | Balancing, Interchange, and Transmission Operator Certification (BT) | |
| | North American Electric Reliability Corporation (NERC) | Reliability Operator Certification (RC) | |
| | North American Electric Reliability Corporation (NERC) | Transmission Operator Certification (TO) | |
| E6 | Society for Maintenance and Reliability Professionals (SMRP) | Certified Maintenance and Reliability Technician (CMRT) | |
| | Transportation Security Administration (TSA) | Transportation Worker Identification Credential (TWIC) | |
| | United States Coast Guard (USCG) | STCW III/1 - OICEW or DDE 750 kW/1000 HP or More | |

Out of Rate Certifications and Licensure

Academic Degrees – You are now eligible for credentials towards an earned academic degree.

Cross-Rated Sailors – If you have cross-rated, you now are eligible for credentials related to your prior rating.

Off-Duty or Command-Sponsored Training – You are now eligible for credentials for documented training that fully prepares you for a credential.

Navy Reservists – You may now be eligible for funding of credentials related to your civilian occupation.

Prior Other-Service Enlisted Occupation - If you are Navy enlisted (Active or Reserve), you may now be eligible for funding for credentials related to prior other-Service (Army, Air Force, Marine Corps, Coast Guard) enlisted occupation.

Collateral Duty/Out of Rate Assignments - Credentials are also available in these collateral duties/out of rate assignments in which you are serving in or have served in.

Credentials Earned & Maintained Prior to Joining the Navy - If you are Navy enlisted (Active or Reserve), you may now be eligible for funding for credentials that were earned, and maintained, prior to your enlistment in the Navy. The certification or license must have relevance to the needs of the Navy, and must appear on Navy COOL, although it does not need to show the Navy Bucks icon to be funded.

* See the *Additional Funding Opportunities* section on any rating page on Navy COOL for further details.

Leader Credentialing: The following certifications and licenses are applicable to enlisted Leaders (E4 and above). *They may require additional education, training or experience.*

| Certifying Agency | Credential Title | Date Completed |
|---------------------------------------------------------------|-----------------------------------------------------------------|----------------|
| American Society for Quality (ASQ) | Certified Manager of Quality/Organizational Excellence (CMQ/OE) | |
| American Society for Quality (ASQ) | Certified Quality Engineer (CQE) | |
| American Society for Quality (ASQ) | Certified Reliability Engineer (CRE) | |
| American Society for Quality (ASQ) | Master Black Belt Certification (MBB) | |
| American Society for Quality (ASQ) | Quality Auditor Certification (CQA) | |
| American Society for Quality (ASQ) | Six Sigma Black Belt (CSSBB) | |
| Computing Technology Industry Association (CompTIA) | CompTIA Project+ | |
| Institute of Certified Professional Managers (ICPM) | Certified Manager (CM) | |
| Institute of Management Consultants (IMC) | Certified Management Consultant - Basic | |
| International Association for Six Sigma Certification (IASSC) | Certified Lean Six Sigma Black Belt (ICBB) | |
| International Association for Six Sigma Certification (IASSC) | Certified Lean Six Sigma Green Belt (ICGB) | |
| International Association for Six Sigma Certification (IASSC) | Certified Lean Six Sigma Yellow Belt (ICYB) | |
| Project Management Institute (PMI) | Certified Associate in Project Management (CAPM) | |
| Project Management Institute (PMI) | PMI Agile Certified Practitioner (PMI-ACP) | |
| Project Management Institute (PMI) | PMI Professional in Business Analysis (PMI-PBA) | |
| Project Management Institute (PMI) | PMI Scheduling Professional (PMI-SP) | |
| Project Management Institute (PMI) | Portfolio Management Professional (PfMP) | |
| Project Management Institute (PMI) | Program Management Professional (PgMP) | |
| Project Management Institute (PMI) | Project Management Professional (PMP) | |
| Resilience-Building Leader Program | Resilience-Building Leadership Professional (RBLP) | |

United Services Military Apprenticeship Program (USMAP): USMAP is available to most active duty occupations and is certified by the U.S. Department of Labor. This is the largest apprenticeship program operating in the U.S. and is recognized by all 50 states. Completion of one of these programs would qualify you as a journeyman, which could mean a significantly higher starting salary in the civilian work force. Most programs require 5-8 years to complete but are transferable if you decide to leave the service prior to completion. USMAP opportunities also exist for SELRES with orders over 12 months.

The following USMAP apprenticeships are applicable to the MMN-Machinists Mate, Nuclear Power rating.

For more information about these apprenticeships, visit USMAP at <https://usmap.netc.navy.mil/>.

| Rank | Apprenticeship | Date Completed |
|---------|----------------------------------------------|----------------|
| E1 - E9 | Computer Operator | |
| | Counselor (Professional & Kindred) | |
| E1 - E9 | Hydroelectric-Machinery Mechanic (Utilities) | |
| | Industrial Maintenance Mechanic | |
| | Power-Plant Operator | |
| | Water-Treatment-Plant Operator | |

POST MILITARY OCCUPATIONS

The following post military occupations are similar to the MMN-Machinists Mate, Nuclear Power Rating. For more information about these occupations, visit NAVY COOL at <https://www.cool.navy.mil/usn/>.

| Occupation (Civilian Employer) |
|---------------------------------------------------------------------|
| Control and Valve Installers and Repairers, Except Mechanical Door |
| Electrical and Electronic Engineering Technologists and Technicians |
| Engine and Other Machine Assemblers |
| First-Line Supervisors of Production and Operating Workers |
| Hazardous Materials Removal Workers |
| Helpers--Installation, Maintenance, and Repair Workers |
| Industrial Machinery Mechanics |
| Maintenance and Repair Workers, General |
| Maintenance Workers, Machinery |
| Mobile Heavy Equipment Mechanics, Except Engines |
| Nuclear Monitoring Technicians |
| Nuclear Power Reactor Operators |
| Nuclear Technicians |
| Power Distributors and Dispatchers |
| Power Plant Operators |
| Pump Operators, Except Wellhead Pumps |
| Ship Engineers |
| Stationary Engineers and Boiler Operators |

| Occupation (Federal Employer) |
|---------------------------------------------|
| 0830 - Mechanical Engineering Series |
| 0840 - Nuclear Engineering Series |
| 0871 - Naval Architecture Series |
| 1310 - Physics Series |
| 1320 - Chemistry Series |
| 4749 - Maintenance Mechanic |
| 4850 - Bearing Reconditioning |
| 5306 - Air Conditioning Equipment Mechanic |
| 5350 - Production Machinery Mechanic |
| 5402 - Boiler Plant Operating |
| 5415 - Air Conditioning Equipment Operating |
| 5419 - Stationary-Engine Operating |
| 9945 - Refrigeration Engineer |
| 9958 - Evaporator-Utilityman |
| 9963 - Fireman |
| 9964 - Fireman-Watertender |

STAY NAVY

AC to AC and FTS to FTS - Continue Navy career on Active Duty.

E6 and below with less than 14 years of service will require a C-Way Application to be approved for reenlistment or extension.

Once C-Way application is approved, the Sailor should request to Reenlist or Extend with the appropriate form.

REENLIST / EXTEND: Request Chit/Form:

Career Waypoints-Reenlistment Approval:

School as a Reenlistment Incentive:

Prior Service Reenlistment Eligibility - Reserve (PRISE-R):

MyNavy Assignments (MNA):

Medical/Dental Screening:

Command Recommendation (evaluation): Bonus: Ceremony:

RC to AC/FTS

See MILPERSMAN 1306-1505: Sailors may complete a component change from the Reserve Component (RC) to AC (RC2AC/FTS). This not only leverages existing skill sets that reside in the RC population to improve and maintain AC community health, but also provides qualified Sailors with an opportunity to resume or begin a career in the AC/FTS. This component change refers to a permanent transfer from RC2AC/FTS. This voluntary program enables qualified, eligible enlisted RC Sailors to submit applications in Career Waypoints (C-WAY) based on available quotas published on the Bureau of Naval Personnel (BUPERS), Enlisted Community Manager (BUPERS-32) Web page at: <https://www.public.navy.mil/bupers-npc/enlisted/community/selres/Pages/EnlistedReserveOpportunities.aspx>.

If you have any questions or concerns, contact your unit or NOSC career counselor.

RC to RC - Continue your Navy career as a Reservist.

Submit reenlistment request utilizing NAVRES 1160/1 Drilling Reservist Reenlistment Worksheet.

REENLIST / EXTEND: Request Chit/Form:

School as a Reenlistment Incentive:

MyNavy Assignments (MNA):

Medical/Dental Screening:

Command Recommendation (evaluation): Bonus: Ceremony:

AC/FTS to CIP

The Career Intermission Program allows Officers and Enlisted Sailors to transfer out of the active component (AC/FTS) and into the Individual Ready Reserve for a period of one to three years to pursue personal or professional obligations outside the Navy, while providing a means for their seamless return to active duty.

For additional information, go to: <https://www.public.navy.mil/bupers-npc/career/reservepersonnelmgmt/IRR/Pages/CIP.aspx>.

AC/FTS to Secretary of the Navy Tours with Industry

This program provides a venue for exceptional Sailors to experience innovative business practices. Navy fellows are fully immersed in company practices and will be actively engaged in projects and company operations. Past fellows were assigned to companies including VMware, Qualcomm, Apple, Inc., Boeing, Tesla, Oak Ridge National Laboratory, GE Digital, Amazon, FedEx, Northrup Grumman, Space X, LinkedIn and USAA.

For additional information go to: <https://www.public.navy.mil/bupers-npc/career/talentmanagement/Pages/SNTWI.aspx>.

Canvasser Recruiter (CANREC)

The Canvasser Recruiter (CANREC) Recall Program is a voluntary and temporary recall program for RC personnel to serve as production recruiters in support of the Navy Prior Service recruiting mission. Personnel eligible to volunteer for a Definite (also termed as "temporary") Recall to Active Duty (ACDU) as a CANREC are Reserve Component (RC) members, specifically Selected Reserve (SELRES), Individual Ready Reserve (IRR-ASP), and Voluntary Training Unit (VTU) personnel.

For additional information, go to:

<https://www.public.navy.mil/bupers-npc/career/reservepersonnelmgmt/definiterecall/Pages/CANRECRrecall.aspx>.

Career Waypoints-Reenlistment:

The Command Career Counselor is your local advocate to assist you with the Career Waypoints application process.

- E3-E6 Sailors with less than 14 years of service must submit a Career Waypoints application, regardless of reenlistment intentions. Sailors who do not desire to reenlist will submit an "intends to separate" application. Sailors not eligible for reenlistment will submit a "not eligible" application.
- The Career Waypoints system automatically generates most of the applications needed by Sailors. Applications must be submitted no later than 16 months prior to expiration of active/reserve obligated service (EAOS/EOS) or as extended (SEAOS/SEOS). Sailors with less than 24 months of contract time remaining at their projected rotation date (PRD) will submit an application 15 months prior to their PRD. In either case, the Career Waypoints system will automatically generate

applications for Sailors 18 months prior to either timeframe. Applications required outside of the established C-Way gates can be submitted as Special Circumstance applications. Examples of when these may be needed include OBLISERVE for special duty, decommissioning or homeport shift.

- The C-Way 3-2-1 Process aligns career decisions with the detailing process. Soft End of Active/Reserve Obligated Service (SEAOS/SEOS)/End of Active/Reserve Obligated Service (EAOS/EOS) applications are created by C-Way at the 18 month from S/EAOS/EOS mark and must be submitted by the Command Career Counselor at the 16 month mark. This provides time for the Career Counselor to validate the Sailor's information and to ascertain the Sailors career intentions. The first C-Way review gate occurs from 16 to 13 months from S/EAOS/EOS with career choice options of in-rate, conversion, and Selected Reserve. The second review gate occurs from 12 to 9 months from S/EAOS/EOS with career choice options of conversion and Selected Reserve. From 8 months to 4 months to S/EAOS/EOS the Sailor can only choose Selected Reserve affiliation.
- Monthly reenlistment quotas are limited and must be reserved for our best and brightest Sailors who desire to Stay Navy. Sailors must choose one of the following based on their desires and qualifications:
 - Reenlist-in-Rate,
 - Reenlist-in-rate, Willing to Convert
 - Convert only
 - AC to AC or FTS to FTS
 - RC to AC/FTS
 - RC to RC
 - AC/FTS to CIP (Intermission)
 - AC/FTS to Tour w/ Industry
 - SELRES option
 - Canvasser Recruiter
 - Intend to separate
 - Not eligible

In February 2014, C-Way delivered auto-approval capabilities to provide reenlistment decisions on S/EAOS/EOS applications more quickly for eligible ratings. This changed the monthly processing of reenlistment applications as described below.

- If you are in an, "open" rating or a "balanced" rating in an undermanned year group or an E6, you are eligible for reenlistment, and your application is submitted with correct data it will be auto-approved and returned immediately, and you can reenlist.
- If you are in a "competitive" rating or a balanced rating but not an undermanned year group, then your application will be processed through the monthly Rack and Stack process. Applications submitted in one month are processed in Rack and Stack the following month.
- For Nuclear ratings, all applications are reviewed by enlisted community managers on an ongoing basis throughout the processing month.
- If required data is missing (evaluations, Physical Fitness Assessment (PFA) data, security clearance etc.) the application will be denied with a note to your career counselor regarding what needs to be fixed. It is critical the Command Career Counselor reviews these notes to ensure Sailors are not disadvantaged in their opportunities for retention.
- Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoint system.
- For additional guidance, see MILPERSMAN 1160-140, NAVADMIN 231/17, and your Career Counselor
Or call My Navy Call Center: (833) 330-MNCC or (901) 874-MNCC; or askmncc@navy.mil

Targeted Reentry Program (TRP)

NAVADMIN 047/18 empowers COs with the ability to identify and recommend SELRES on active duty/Definite Recall (ACDU) and Full Time Support (FTS) enlisted personnel, who are the best and brightest, the option for expedited reentry to Active Duty in the Navy.

- *Golden Ticket* – Sailors are guaranteed an expedited return to ACDCU within one year from separation from ACDCU. Sailors who do not use their Golden Ticket within one year are automatically convert to a Silver Ticket for one additional year. Sailors must remain fully qualified.
- *Silver Ticket* – Sailors are afforded an expedited return to ACDCU within two years from separation date. This opportunity is subject to Needs of the Navy (NOTN) and provided the Sailor remains fully qualified.

Upon completion of the monthly process, Career Waypoints results will be available to command users via the Monthly report section of the Career Waypoints system.

For additional guidance, see MILPERSMAN 1001-260, NAVADMIN 231/17, and your Career Counselor
Or call My Navy Call Center: (833) 330-MNCC or (901) 874-MNCC; or askmncc@navy.mil

AC/FTS TRANSFER:

| <u>15 Months</u> | <u>12 Months</u> | <u>9 Months</u> | <u>6 Months</u> | <u>Orders Received</u> |
|---------------------------------------------------|-------------------------|-----------------|-------------------|------------------------|
| Career Waypoint | Career Waypoint | Career Waypoint | Accept Orders | Screening |
| Exception Family Member | Exception Family Member | Medical/Dental | Reverse Sponsor | Obligate |
| MNA | MNA | MNA | Relocation (FFSC) | Bonus |
| Mil to Mil | Eval | SRB | SRB | |
| Family Care Plan | | | | |
| Continuous Overseas Tours (COT) | | | | |
| Overseas Tour Extension Incentive Program (OTEIP) | | | | |

SELRES TRANSFER:

| <u>12 Months</u> | <u>9 Months</u> | <u>6 Months</u> | <u>3 Months</u> | <u>Orders Received</u> |
|---------------------------------------|-----------------------------------------|-----------------------------------|-----------------------------------|------------------------|
| MNA <i>(verify account access)</i> | MNA <i>(extend in current field)</i> | MNA <i>(apply for billets)</i> | MNA <i>(apply for billets)</i> | Sign Eval |
| Family Care Plan | | Start Eval | | |
| Mil to Mil | | Reverse Sponsor | | |
| | | Incentives/EOS opportunities | | |

For additional assistance in transfer and relocation, go to the Military OneSource website: <https://www.militaryonesource.mil/> and visit your Fleet and Family Support Center on base.

SEPARATING/RETIRE*:

| <u>18 -12 months</u> | <u>6 months</u> | <u>90 days</u> | <u>30 days</u> |
|--------------------------------------------------------------------|----------------------------|----------------------|-----------------|
| TAP* | MED/DEN | Copy of Records | Copy of Records |
| Complete DD 2648 | Relocation | Official Record CD | PSD |
| Transition Planning | Relocation Services (FFSC) | Arrange Ceremony | MED/DEN |
| Annual Statement of Service History (ASOSH) <i>Reserve Only</i> | Reserve Affiliation | Request Leave / PTDY | DD 214* |
| | VA/DVA | | |

*Upon demobilization, SELRES will need Transition Assistance Program (TAP) and DD-214; DD-214 is not required for Reserve Retirements.

PHYSICAL FITNESS:

Participate in a year-round physical fitness program to meet Navy fitness and BCA standards. Review and verify accuracy of PFA data in PRIMS within 60 days of the PFA cycle. (PRIMS is accessible through your BUPERS Online Account)

Height Weight If Required (AC BCA)

Last 2 PRT Cycles: Forearm Plank / Push-ups / Run/Swim/Cardio /

Overall Score /

List date (if) any PRT/BCA failure(s) over the last 5 years /

List if any Medical Waiver(s) /

For more information on Navy Fitness, visit: https://www.public.navy.mil/bupers-npc/support/21st_Century_Sailor/physical/Pages/default2.aspx

PROFESSIONAL MILITARY EDUCATION (E4)

(Resident and non-resident coursework designed to enhance a Sailor's general military professional knowledge and abilities)

EDUCATION: (Prior to considering any pursuit of off duty education or program enrollment call the Navy College Virtual Education Center (NCVEC) 877-838-1659 or Visit your overseas Navy College Office.)

Education Plan Completed (Navy College Office/NCVEC)

Current Education Level

Degree Goal

** Various degree options are available in the Advanced Education section. **

Goal: Date: AA/AS BA/BS Master
(Credits to earn a degree - AA/AS: 60 SH/90 QH, BA/BS: 120 SH/180, QH, Master /Doctorate: Variable based on program)

Number of current credits American Council on Education (ACE) recommended credits

Joint Service Transcripts (JST)

HS Transcripts College Transcripts

Date Degree Obtained: AA/AS BA/BS Master Doctorate

For entry into JST, have your College/University send official transcripts to:
Naval Education and Training Command N644
JST Operation Center
6490 Saufley Field Road
Pensacola, FL 32509
Email: JST@DODED.mil

VOLUNTARY EDUCATION: Links to study guides, exam preparations, and practice tests are located on the DANTES website <https://www.dantes.doded.mil/>

Academic skills NCPACE CLEP DSST

TA MGIB MGIB-SR Post 9/11 GIB

E4 REQUIRED NAVY PME:

| Course Title | Course Location | CIN/CSE ID | Course Length | Date Completed |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|---------------|----------------|
| Foundational Leader Development Course ⁵ | Water front/ Flightline/ Various ⁴ | NELD-03 | 2.5 days | |
| Professional Military Knowledge Eligibility Exam (PMK-EE) for E5 | Navy e-Learning | NETCPDC-PMK-EE-E5-1.0 | | |
| Ethics Training | Command Delivered | | | |
| Required General Military Training Topics For FY 2021 (Delivery determined by command discretion) ¹ | | | | |
| Sexual Assault Prevention and Response Awareness (SAPR) ³ | Command Delivered | CPPD-GMT-SAPRA-1.0 | | |
| Cyber Awareness Challenge | MNP | DOD-IAA-V16.0 | | |
| Counterintelligence Awareness and Reporting | Command Delivered/ MNP | DOD-CIAR-1.0 | | |
| Records Management | Command Delivered/MNP | DOR-RM-010-1.2 | | |
| Privacy Act | Command Delivered | | | |
| Suicide Prevention ³ | Command Delivered | CPPD-GMT-SAP-1.0 | | |
| Antiterrorism Level I ² | Command Delivered/ MNP | CENSECFOR-AT-010-1.0 | | |

1 - Verify GMT topics on the My Navy Portal (MNP) GMT webpage

2 - Personnel with less than 3 years of time-in-service must also complete Antiterrorism Level 1 training. For personnel with greater than 3 years of time-in-service, Antiterrorism Level 1 periodicity is now a triennial requirement and will be mandated for all hands in FY-22.

3 - The recommended method of delivery for SAPR and Suicide Prevention annual training is via face-to-face, small group facilitated discussions.

4 - See MNP Enlisted Leadership Development page: <https://www.mnp.navy.mil/group/training-education-qualifications/enlisted-leader-development>.

5 - Available for paygrades E3 and E4

E4 REQUIRED COMMUNITY PME:

| Course Title | Course Location | CIN/CSE ID | Course Length | Date Completed |
|----------------------------------------------|-----------------|----------------------|---------------|----------------|
| SS Firefighting Techniques | SOBT | DODUSNSLCSOBT_ 96059 | 1 hour | |
| SS Paint & Preservation | SOBT | DODUSNSLCSOBT_ 05105 | 1 hour | |
| SS Self Contained Breathing Apparatus (SCBA) | SOBT | DODUSNSLCSOBT_ 04003 | 1 hour | |

E4 RECOMMENDED NAVY PME:

| Course Title | Course Location | CIN/CSE ID | Course Length | Date Completed |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|---------------|----------------|
| Professional Military Knowledge Eligibility Exam (PMK-EE) Study Material | Navy e-Learning | NETCPDC-PMK-EE-SM-1.0 | | |
| Military Requirements for Petty Officer Third and Second Class | Navy e-Learning | NRTC-NAVEDTRA-14504-MRFPO-TASC-1.0 | | |
| Introductory Enlisted Professional Military Education (IEPME) | Navy e-Learning | Military DON/ PME | 18 hrs | |
| Block 1 Introductory EPME - Introduction | Navy e-Learning | NWC-IEPME-INTRO-B1 | - | |
| Block 2 Introductory EPME - History and Traditions | Navy e-Learning | NWC-IEPME-INTRO-B2 | 3 hrs | |
| Block 3 Introductory EPME - Enlisted Professionalism | Navy e-Learning | NWC-IEPME-INTRO-B3 | 3 hrs | |
| Block 4 Introductory EPME - Policy and the Navy | Navy e-Learning | NWC-IEPME-INTRO-B4 | 3 hrs | |
| Block 5 Introductory EPME - Planning for Operations | Navy e-Learning | NWC-IEPME-INTRO-B5 | 3 hrs | |
| Block 6 Introductory EPME - Regional and Cultural Awareness | Navy e-Learning | NWC-IEPME-INTRO-B6 | 3 hrs | |
| Block 7 Introductory EPME - Technology in the Maritime Domain | Navy e-Learning | NWC-IEPME-INTRO-B7 | 3 hrs | |
| Block 8 Introductory EPME - Conclusion | Navy e-Learning | NWC-IEPME-INTRO-B82 | - | |
| Cultural Awareness | Navy e-Learning | Foreign Language and Culture | 45 hrs | |
| Navy Reserve Fundamentals for Active Duty Course | Navy e-Learning | NAVRESFOR-NRF-3.0 | 10 hrs | |
| Nutrition | Navy e-Learning | NMHC12107V2.1 | 1 hour | |
| Personal Financial Management | Navy e-Learning | CPD-PFM-1.0 | 8 hrs | |
| PREVENT | Command Delivered | S-501-0150 | 24 hrs | |
| 21st Century CONSEP (Mid-Career) | Fleet and Family Service Center | | 2 days | |
| Recommended General Military Training Topics For FY 2021 (Delivery determined by command discretion) ¹ | | | | |
| Alcohol, Drug, and Tobacco Awareness | Command Delivered | CPPD-GMT-ADTA-1.0 | | |
| Combating Trafficking of Persons General Awareness | Command Delivered/ MNP | DOD-CTIP-3.0 | | |
| Domestic Violence Prevention and Reporting | Command Delivered | CPPD-GMT-DV-1.1 | | |
| Electromagnetic Maneuver Warfare | Command Delivered/ MNP | NAVIFOR-FEWC-EMW-01.01 | | |
| Energy Policy | Command Delivered | OPNAV-GMTE-1.0 | | |
| Equal Opportunity, Harassment, and Resolution Options | Command Delivered | CPPD-GMT-EOSH-1.0 | | |
| Hazing Policy and Prevention | Command Delivered | CPPD-GMT-HPP-1.0 | | |
| Operational Risk Management (ORM) | Command Delivered | CPPD-GMT-ORMTC-1.0 | | |
| Operations Security | Command Delivered/ MNP | NOST-USOPSEC-3.0 | | |
| Personal Financial Management | Command Delivered | CPPD-GMT-PFM-1.0 | | |
| Sexual Health and Responsibility | Command Delivered | CPPD-GMT-SHR-1.0 | | |
| Stress Management | Command Delivered | CPPD-GMT-SM-1.0 | | |
| Traumatic Brain Injury | Command Delivered | | | |
| Privacy Act | Command Delivered | DON-PRIV-2.0 | | |
| Antiterrorism Level 1 ² | Command Delivered/ MNP | CENSECFOR-AT-010-1.0 | | |
| Tactical Combat Casualty Care All Service Member/Tier 1 | Command Delivered | B-300-2010 | | |
| Financial Management ³ | Command Delivered | | | |

1 - Verify GMT topics on MyNavy Portal GMT webpage

2 - Personnel with less than 3 years of time-in-service must also complete Antiterrorism Level 1 training. For personnel with greater than 3 years of time-in-service, Antiterrorism Level 1 periodicity is now a triennial requirement and will be mandated for all hands in FY-22.

3 - Does not have a mandatory periodicity but is required at career touch points per CNO WASHINGTON DC/191539ZJUL16.

E4 RECOMMENDED COMMUNITY PME:

| Course Title | Course Location | CIN/CSE ID | Course Length | Date Completed |
|-----------------------------------------------------------------------|-----------------|--------------------------------|---------------|----------------|
| Submarine Hazardous material Inventory and Management Systems (SHIMS) | Navy e-Learning | CNET12723 | | |
| SS Craftsman Fundamentals | SOBT | DODUSNSLCSOBT_03158 | | |
| SS Drydock Safety | SOBT | DODUSNSLCSOBT_93035 | 1 hour | |
| SS Line Handling | SOBT | DODUSNSLCSOBT_03195 | 3 hours | |
| Safety Practices | Navy e-Learning | NIDA-93951101 | | |
| Test Cell Review of Basic Physics | MNP | CNATT-049-PHY-012-005-A0 | | |
| SS Collisions Presentation | SOBT | DODUSNSLCSOBT_06030 | 20 hours | |
| SS Grounding Presentations | SOBT | DODUSNSLCSOBT_06033 | 13 hours | |
| Apply Mathematic Conversion Factors | MNP | CNE-EPOC-WBS-02.10.03-04-00001 | | |
| Apply Fundamental Theories | MNP | CNE-EPOC-WBS-02.10.05-07 | | |
| Apply Fundamental Laws | MNP | CNE-EPOC-WBS-02.10.10-19 | | |
| Apply Fundamental Principles | MNP | CNE-EPOC-WBS-02.10.20-22 | | |
| Hazardous Materials Safety Procedures | MNP | CNE-EPOC-WBS-02.12.01-02-00001 | | |
| Operational Machinery Safety | MNP | CNE-EPOC-WBS-02.14 | | |
| AC and R Display Controllers | MNP | CNE-EPOC-WBS-03.01 | | |
| Centrifugal Air Conditioning Systems | MNP | CNE-EPOC-WBS-03.04.03-06-00001 | | |
| Lube Oil Systems Operations | MNP | CNE-EPOC-WBS-03.31-00001 | | |
| Heat Exchangers | MNP | CNE-EPOC-WBS-03.43-00001 | | |
| Introduction to Piping Systems | Navy e-Learning | CNET11443 | | |
| Packing, Gaskets, and Seals | Navy e-Learning | CNET11445 | | |
| Rotary Pumps | Navy e-Learning | CNET11449 | | |
| The Basic Steam Cycle | MNP | CNET11450 | | |
| Variable-Stroke Pumps | Navy e-Learning | CNET11451 | | |
| Reciprocating Pumps | Navy e-Learning | CNET11453 | | |
| Nonpositive-Displacement Pumps | Navy e-Learning | CNET11455 | | |
| Naval Reverse Osmosis Desalination Plant (RODP) Theory | MNP | NAVSEA-RODPT-1.0 | | |
| Reverse Osmosis – 6.8K GPD Reverse Osmosis Desalination Unit | MNP | NAVSEA-RODU-1.0 | | |
| High Pressure Air Compressor (HPAC) | MNP | NSWCCD-SS-HPAC-1.0 | | |

NAVY PROFESSIONAL READING PROGRAM (PRP)

The purpose of the Chief of Naval Operations Professional Reading Program (CNO PRP), maintained by CNO PRP program managers at the U.S. Naval War College, is to facilitate the professional and personal development of all Sailors. For additional information on the CNO PRP visit <https://www.navy.mil/CNO-Reading-Program/>

ESSENTIAL READING

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Naval Power (First 5 offerings) | Completed |
| Visit https://www.navy.mil/CNO-Reading-Program/Naval-Power for complete list. | |
| Sea Power by <i>Admiral James Stavridis</i> | |
| Toward a New Maritime Strategy by <i>Peter D. Haynes</i> | |
| The Rules Of The Game by <i>Andrew Gordon</i> | |
| Sea Power by <i>Geoffrey Till</i> | |
| Red Star Over The Pacific by <i>Toshi Yoshihara and James R. Holmes</i> | |
| High Velocity Outcomes (First 5 offerings) | Completed |
| Visit https://www.navy.mil/CNO-Reading-Program/HVO for complete list. | |
| Democracy by <i>Condoleezza Rice</i> | |
| A World in Disarray by <i>Richard Haass</i> | |
| Our Robots, Ourselves by <i>David A. Mindell</i> | |
| On Writing Well by <i>William Zinsser</i> | |
| The Innovator's Dilemma by <i>Clayton M. Christensen</i> | |
| Navy Team (First 5 offerings) | Completed |
| Visit https://www.navy.mil/CNO-Reading-Program/Navy-Team for complete list. | |
| The Accidental Admiral by <i>James Stavridis</i> | |
| Team of Teams by <i>Stanley McChrystal</i> | |
| Navigating the Seven Seas by <i>Melvin G. Williams, Sr. and Melvin G. Williams, Jr.</i> | |
| Leadership on the Line by <i>Ronald A Heifetz and Marty Linsky</i> | |
| A Vietnam Experience by <i>James Stockdale</i> | |
| Partnerships (First 5 offerings) | Completed |
| Visit https://www.navy.mil/CNO-Reading-Program/Partner-Network for complete list. | |
| Partnerships for the Americas by <i>James Stavridis</i> | |
| The Accidental Superpower by <i>Peter Zeihan</i> | |
| Asia's Cauldron by <i>Robert D. Kaplan</i> | |
| World Order by <i>Henry Kissinger</i> | |
| At Ease by <i>Dwight Eisenhower</i> | |

Reading, discussing, and understanding the ideas found in the CNO PRP will not only improve our critical thinking skills, but will also help us become better Sailors, citizens, and most importantly, leaders. This list is not intended to limit professional reading or learning in any way, but merely to provide easy access to a few of the many titles that will benefit our service.

The Chief of Naval Operations' tenets and Lines of Effort: Strengthening Naval Power at and from the Sea; Achieving High Velocity Learning at Every Level; Strengthening Our Navy Team for the Future; and Expanding and Strengthening our Network of Partners. These LOEs have themes common to all Sailors - Integrity, Accountability, Initiative, and Toughness.

The books are organized by the Lines of Effort, but there are several other categories as well. A Design for Maintaining Maritime Superiority is included in addition to a section of books - Fundamentals for the Naval Professional - that contains canonical books about warfighting, diplomacy, and strategy. Many books on both lists are available as e-books through the Navy General Library Program.

The entire list of over 140 book summaries and additional information is available at <https://www.navy.mil/CNO-Reading-Program/A-Z-List>

E4 RECOMMENDED COMMUNITY READING

| Title | Completed |
|-------------------------------------------------------------------------------------------------------------------|-----------|
| Thunder Below <i>by Adm Eugene B. Fluckey</i> | |
| DOE Fundamentals Handbook, Classical Physics <i>DOE-HDBK-1010-92</i> | |
| DOE Fundamentals Handbook, Thermodynamics, Heat Transfer, and Fluid Flow, Volume 1 of 3 <i>DOE-HDBK-1012/1-92</i> | |
| DOE Fundamentals Handbook, Thermodynamics, Heat Transfer, and Fluid Flow, Volume 2 of 3 <i>DOE-HDBK-1012/2-92</i> | |
| DOE Fundamentals Handbook, Mathematics Volume 1 of 2 <i>DOE-HDBK-1014/1-92</i> | |
| DOE Fundamentals Handbook, Mathematics Volume 2 of 2 <i>DOE-HDBK-1014/2-92</i> | |
| DOE Fundamentals Handbook, Chemistry, Volume 1 of 2 <i>DOE-HDBK-1015/1-93</i> | |
| DOE Fundamentals Handbook, Material Science, Volume 1 of 2 <i>DOE-HDBK-1017/1-93</i> | |
| DOE Fundamentals Handbook, Mechanical Science, Volume 1 of 2 <i>DOE-HDBK-1018/1-93</i> | |
| Clear the Bridge - The War Patrols of the USS Tang <i>by RADM Richard H. O'Kane</i> | |
| Last Stand of the Tin-Can Sailors <i>by James D Hornfisher</i> | |
| Tie-ins For Life: Stories That Teach Great Values and Inspire Moral Action <i>by Joseph Shusko</i> | |



ALL PAYGRADES VOLUNTARY EDUCATION



Note: Prior to considering any pursuit of off duty education or program enrollment contact the Navy College Virtual Education Center (NCVEC) or visit your Overseas Navy College Office.

You must complete the Tuition Assistance Training before your first course will be approved.

Complete the online courses at the Navy College Website: <http://www.navycollege.navy.mil/>

How do I get started?

You already have. All your training up to this point is part of your Machinist's Mate - Nuclear - Submarine - Engineering Laboratory Technician (ELT) Roadmap. Now that you have made the first steps you will need to sit down and formulate a plan. This plan will work best if you start out discussing your options with your Leading Chief Petty Officer, Leading Petty Officer, Mentor, or Career Counselor. They will help you understand all of the basics. Then your next step is to contact the Navy College Virtual Education Center or visit your Overseas Navy College Office. Then your counselors will be able to help you formalize your plan and make sure that it makes sense for both you and the Navy. To aid you in your conversation with these professionals, here are a few questions that you may want to ask.

What credits do you have? What non-college courses have you taken? Where do you want to go? What field of study, or what kind of degree? What program will help me get there: Traditional or Online? What are my next steps: Transfer credits, take exams, have experience evaluated, or sign up for new courses?

RECOMMENDED OCCUPATIONAL-RELATED ASSOCIATE'S DEGREE FOR MMN-SS-ELT

| Recommended Associates' degrees for the Fireman |
|-------------------------------------------------|
| Nuclear Power Technology |
| Power Plant Technology |
| Industrial Management Technology |
| Quality Control and Safety |
| General and Liberal Studies |
| Management |

RECOMMENDED OCCUPATIONAL-RELATED BACCALAUREATE/MASTERS DEGREE FOR MMN-SS-ELT

| Recommended Bachelors/Masters degrees for the Fireman |
|-------------------------------------------------------|
| Nuclear Power Technology |
| Power Plant Technology |
| Industrial Management Technology |
| Quality Control and Safety |
| General and Liberal Studies |
| Management |

GENERAL INFORMATION ON VOLUNTARY EDUCATION

The Navy College Program & Web Page:

The Navy College Program (NCP) provides opportunities to Sailors to earn college degrees by providing academic credit for Navy training, work experience, and off-duty education. The NCP mission is to enable Sailors to obtain a college degree while on active duty. In support of the four R's - Recruiting, Readiness, Retention, and Respect - the NCP signifies Navy's commitment to education by improving enlistment appeal; demonstrating Navy service and achieving a college degree are compatible; helping Sailors apply themselves to new situations and challenges and better preparing them for advancement; building up Sailors' self-image; and producing higher quality Sailors.

- More information is available online at: <https://www.navycollege.navy.mil>

Tuition Assistance (TA):

NAVADMIN 114/19 limit changes as of 1 October 2019: TA provides funds for eligible active-duty personnel to attend approved educational institutions on an off-duty basis to earn a high school diploma, vocational/technical certificate, or college degree. TA pays for tuition. TA will pay for the following amount per career: 120 semester hours, or 180-quarter hours or 1800 clock hours or a combination of semester, quarter and clock hours. TA will pay the following amounts per fiscal year: 12 semester hours, not to exceed \$250/credit for semester hours or 18-quarter hours not-to-exceed \$166.67/credit for quarter hours or, 180 clock hours not-to-exceed \$16.67/clock hours or a combination of semester, quarter and clock hours.

- More information is available online at: <https://www.navycollege.navy.mil>

Joint Service Transcripts (JST)

JSTs are official military transcripts which are used by colleges to validate your actual credited training. Every Sailor has a transcript already and access to it is free.

- More information is available online at: <https://jst.doded.mil/>

The American Council on Education (ACE)

ACE has reviewed every course listed in the OCCUPATIONAL Roadmap and determined what type of collegiate level credit is recommended. The ACE identifier, listed with each course, is a source to validate the information and to check for changes as they occur.

- Updates can be found at <http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx>.

Vocational Certificates

Vocational Certificates are available from most community colleges. Most of your military training can be counted toward their degree programs, but they will still require residency credits and approximately 40-75 credit hours. These certificates can be as valuable as the apprenticeship program in the civilian work force.

College credits by Testing CLEP, DSST

Testing can replace the requirement to attend most of the college courses listed in the Occupational Roadmap. Base Education Centers offer CLEP and DSST exams for active duty military at no cost. They also offer a comprehensive list of "credit-by-exam" tests. Additionally, many of the tests have study guides available. These tests are available at the base education center or through the base library system. For specific testing locations visit the DANTES website.

- Navy College Program: <https://www.navycollege.navy.mil/information-for-sailors/pre-college-testing-and-college-credit.htm>
- DANTES: <http://www.dantes.doded.mil/examinations/earn-college-credit/earn-college-credit.html>

College Entrance Exams Testing ACT, SAT

The ACT and SAT are both standardized tests that help colleges evaluate candidates. Many colleges require that students submit test results as part of the admission application process. Since Sailors are considered transfer students, these tests are not generally required for admission. However, some Sailors must take the tests to enter specific military programs.

- Navy College Program (ACT SAT): <http://www.navycollege.navy.mil/information-for-sailors/college-entrance-exams.htm>
- DANTES (ACT SAT): <http://www.dantes.doded.mil/examinations/college-admissions/act.html>

SAMPLE DEGREE PLAN

Thomas Edison State College, ASAST – Nuclear Engineering Technology (Total 60 Semester Hours Minimum)

| Subject Area/Category | Credits |
|-----------------------------------------------------|------------|
| I. General Education Requirements | 30 |
| A. English Composition | 6 |
| B. Humanities | 6 |
| C. Social Sciences | 6 |
| D. Natural Sciences and Mathematics | 12 |
| Intermediate and pre-calculus mathematics or above* | (6) |
| General physics or general chemistry | (6) |
| II. Area of Study: Nuclear Engineering Technology | 21 |
| A. Nuclear Physics | 3 |
| B. Thermodynamics or Heat Transfer | 3 |
| C. Fluid Mechanics | 3 |
| D. Reactors | 6 |
| ▪ Introduction to Nuclear Engineering Technology | |
| ▪ Reactor Engineering | |
| ▪ Reactor Systems or Reactor Operations | |
| ▪ Reactor Theory and Design | |
| E. Radiation Safety | 3 |
| ▪ Radiation Protection | |
| ▪ Health Physics | |
| ▪ Nuclear Reactor Safety | |
| ▪ Radiological, Reactor and Environmental Safety | |
| F. Nuclear Engineering Technology Electives | 3 |
| ▪ Radiation Biology | |
| ▪ Radiochemistry | |
| ▪ Nuclear Power Plant Instrumentation | |
| ▪ Nuclear Power Generation | |
| ▪ Radiation Effects | |
| ▪ Nuclear Reactor Materials | |
| ▪ Radiation and Reactor Systems | |
| ▪ Courses listed in sections A, B, C, D and E | |
| III. Free Electives | 9 |
| A. Computer Requirement | 3 |
| B. Free Electives | 6 |
| Total | 60 credits |

*Some areas of study require mathematics at the level of pre-calculus algebra and calculus.

Note 1: Courses listed in Area of Study are offered as a guide. Other courses may also be considered appropriate for this option.

Note 2: Corollary Requirements:

- 6 credits of Precalculus Algebra or above
- One full year of General Physics
- 3 credits of Computer Programming

Students may check the appropriateness of other courses by contacting the Advisement Center.

SAMPLE DEGREE PLAN

Bachelor of Science in Nuclear Engineering Technology

Excelsior College

(120 credit hours)

| Subject Area/Category | <u>Credits</u> |
|---------------------------------------------------------|----------------|
| Arts and Sciences Component: | 60 |
| Communications (must include 3-credit written English): | 9 |
| Ethics: | 3 |
| Social Sciences/History: | 6 |
| Humanities and Social Sciences/History Electives: | 6 |
| Mathematics and Natural Sciences: | 24 |
| Math- at least 12 credits at a level of | |
| College Algebra and above including | |
| Calculus I and Calculus II | |
| Natural Science--must include | |
| Chemistry with Lab, | |
| Physics I with at least one lab | |
| Physics II with at least one lab, | |
| Atomic Physics | |
| Nuclear physics and thermodynamics | |
| Arts and Science Electives: | 12 |
| Nuclear Engineering Component: | 48 |
| Core Requirements | |
| Electrical Theory | |
| Computer Applications | |
| Materials | |
| Nuclear Materials | |
| Health Physics/ Radiation Protection | |
| Plant Systems Overview | |
| Reactor Core Fundamentals | |
| Fluids | |
| Heat Transfer | |
| Integrated Technology Assessment | |
| Nuclear Engineering Technology Electives | 16 |
| Free Elective Component: | 16 |
| Information Literacy (Required) | 1 |

REFERENCES

Navy Enlisted Learning and Development Programs:

- Learning and Development Roadmap for Enlisted Sailors, OPNAVINST 1500.77(series)
- Navy Enlisted Retention and Career Development Program, OPNAVINST 1040.11(series)
- Career Counselor Handbook, NAVPERS 15878L
- Command Sponsor and Indoctrination Programs OPNAVINST 1740.3(series) (Sponsor assigned within 10 days of orders received / Indoctrination completed as soon as possible and practicable but NLT 90 days)
- Command Sponsorship of Dependents at Overseas Duty Stations MILPERSMAN 1300-150 to 1300-210
- Navy Enlisted Warfare Qualification Programs OPNAVINST 1414.9 (series)
- Master Training Specialists (MTS) Program NETCINST 1500.2(series)
- Command Master Chief Program OPNAVINST 1306.2 (series)

Reenlistments and Extensions:

- Agreement of Enlisted Naval Reservist, and Fleet Reservists Inductees to Remain on Active Duty MILPERSMAN 1160-060
- Extension of Enlistments MILPERSMAN 1160-040
- Overseas Tour Extension Incentives Program (OTEIP) MILPERSMAN 1306-300
- Consecutive Overseas Tours (COT) Leave Travel Entitlement Policy MILPERSMAN 1050-410
- Career WayPoints - Reenlistment MILPERSMAN 1160-140
- Reenlistment Ceremony MILPERSMAN 1160-020
- Leave of Military Personnel MILPERSMAN 1050-040
- Required Counseling Upon Enlistment and Reenlistment MILPERSMAN 1160-031
- Selective Reenlistment Bonus (Use Latest SRB NAVADMIN)
- Selective Training and Reenlistment (STAR) Program MILPERSMAN 1160-100
- Assignment to School as a Reenlistment Incentive MILPERSMAN 1306-1006
- Reserve Enlisted Incentives RESPERSMAN 1100-020 and current ALNAVRESFOR Message
- Reenlistments and Extensions for Sailors in a Drilling Status RESPERSMAN 1160-010
- Satisfactory Participation in the Navy Reserve RESPERSMAN 1001-010

Fleet Reserve and Retirements:

- Casualties and Survivor Benefits (SBP) MILPERSMAN 1770-010 to 1770-280 OPNAVINST 1750.5(Series)
- Disability Retirement MILPERSMAN 1850-010 to 1850-040
- Fleet Reserve and Retirement MILPERSMAN 1800-010 to 1800-070
- Privately Owned Vehicle (POV) Shipment Entitlement Policy and Household Goods (HHG) Shipment and Storage Entitlement Policy MILPERSMAN 4050-010 to 4050-020
- Permissive Temporary Duty (PTDY) Authorization for Job/House Hunting MILPERSMAN 1320-220
- Transition Assistance Program (TAP) OPNAVINST 1900.2(series) (Initiate a DD-2648E-1 NLT 90 Days Prior to Separation and attend workshop 12 months prior to separation/Fleet Reserve/Retirement date)

Enlisted Administrative Separations:

- Separation by Reason of Alcohol Rehabilitation Failure MILPERSMAN 1910-152
- Separation by Reason of Misconduct -Drug Abuse MILPERSMAN 1910-146
- Separation by Reason of Convenience of the Government -Early release to further education MILPERSMAN 1910-108
- Administrative Separation (ADSEP) Policy and General Information MILPERSMAN 1910-010 to 1910-812
- Fraudulent Enlistment MILPERSMAN 1910-134
- High Year Tenure (HYT) MILPERSMAN 1160-120
- Misconduct (various reasons) MILPERSMAN 1910-138/140/142
- Department of the Navy (DON) Policy on Parenthood and Pregnancy SECNAVINST 1000.10(series) & MILPERSMAN 1910-124
- Separation by Reason of Convenience of the Government -Personality Disorder MILPERSMAN 1910-122
- Separation by Reason of Physical Fitness Assessment (PA) Failure MILPERSMAN 1910-170
- Separation by Reason of Misconduct - Commission of a Serious Offense MILPERSMAN 1910-142
- Separation by Reason of Unsatisfactory Performance MILPERSMAN 1910-156

Advancement & Service Schools:

- Advancement Manual for Enlisted Personnel of the U.S. Navy and U.S. Navy Reserve BUPERSINST 1430.16(series)
- Accelerated Advancement of Recruit Training Class "A" School Graduates, and Ceremonial Guard MILPERSMAN 1430-010
- Enlisted to Officer Commissioning Program Application & Administration Manual OPNAVINST 1420.1(series)
- Service Schools MILPERSMAN 1306-600/602/604/608
- Class "A" School & Rating Entry Requirements MILPERSMAN 1306-618
- Retesting with Armed Forces Classification Test (AFCT) version of the Armed Services Vocational Aptitude Battery (ASVAB) MILPERSMAN 1236-010
- Professional Apprenticeship Tracks Program (PACT) NAVADMIN 318/07
- Prior Service Reenlistment Eligibility – Reserve (PRISE-R) MILPERSMAN 1133-061

Education:

- Joint Chiefs Professional Military Education (PME) Manual 1805.01
- Voluntary Education (VOLED) for Navy Sailors OPNAVINST 1560.9(series)
- Navy Voluntary Education Program NETCINST 1560.3(series)
- Navy Credentialing Programs OPNAVINST 1540.56
- Administration of the United Services Military Apprenticeship Programs (USMAP) OPNAVINST 1560.10(series)

Other Quick References:

- Awards Manual (SECNAVINST 1650.1(Series))
- Change in Rating MILPERSMAN 1440-010 to 1440-040
- Department of the Navy Correspondence Manual (SECNAV M-5216.5)
- Navy Alcohol and Drug Abuse Prevention and Control OPNAVINST 5350.4(series)
- Exchange of Duty (SWAPS) MILPERSMAN 1306-700
- First-Term Personnel Assignment Policy MILPERSMAN 1306-126
- Individual Augmentation (IA) Policy and Procedures OPNAVINST 1001.24(series)
- Military Couple and Single Parent Assignment Policy MILPERSMAN 1300-1000
- Military Pay MILPERSMAN 7220-010 to 7220-410
- Navy Performance Evaluation System BUPERSINST 1610.10 (Series)
- Overseas Extensions MILPERSMAN 1300-310
- Physical Readiness Program OPNAVINST 6110.1(series) / MILPERSMAN 6100-6199
- Reassignment for Humanitarian Reasons (HUMS) MILPERSMAN 1300-500
- Standardized Policy and Procedures for the Active Duty for Operational Support (ADOS) Programs OPNAVINST 1001.20 (series)
- Operational Risk Management OPNAVINST 3500.39C
- Personnel Qualification Standards (PQS) Catalog NAVEDTRA 43100-6M
- Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards NAVPERS 18068F Volume 1 & 2