

2011-2013 CORE SKILL REQUIREMENTS (CSRs)
Combat Systems
Subspecialty Code 57XX
Curriculum 533

1. The Engineering and Technology (Combat Systems) subspecialty code (5700) will provide a command with an officer possessing a broad-based advanced technical education applicable to Combat Systems, with a concentration in one or more of the following disciplines: sensors, weapons, acoustics, software design, robotics, or an engineering area related to Combat Systems. Specific capabilities/requirements generally include:

a. The ability to identify, formulate, and solve engineering and/or technical problems, including competence in research, design, development, procurement, operation and or maintenance in scientific and/or technical engineering fields. This would include the ability to prepare technical and/or operational briefings, project plans, and reports.

b. The ability to understand the impact of combat systems and engineering and/or technical solutions in a global context, and interact with personnel from industry, laboratories, academic institutions and/or other services regarding combat system design, maintenance, and operation.

c. The ability to use techniques, skills, and modern engineering tools for combat systems, including the ability to analyze and interpret data, and develop policy and procedures through the entire spectrum of operation for platform combat systems.

d. The ability to apply knowledge acquired in academic disciplines specifically to the design, procurement, maintenance and operation of ships, boats and craft.

Billet subspecialty coding is to be based on the minimum education/training/experience level required for optimum performance. Combat Systems/57XX subspecialty coding is justified when, in addition to the general criteria stated in NAVPERS 15839 series (Manual of Navy Officer Manpower and Personnel Classification) Part B, the following specific criteria are satisfied:

2. Subspecialty Coding Restrictions:

a. Billets assigned to: Unrestricted Line Officers, Supply Corps Officers, and Engineering Duty Officers.

3. Applicable Officer Designators:

a. 11XX/12XX/13XX/14XX/31XX

4. Applicable Billet Designator:

a. 1000/1020/1050/11XX/12XX/13XX/14XX/31XX: (Subspecialty Code - 57XX C/D/I/F/G/H/P/Q/R/S)

b. Representative billets include:

GM TEST/MSL TEST PROJ OFF

STF WEP/STRK OPS

SUB ACOUSTICS SYS T&E OFF

WEPCTL SURF SELF DEF SQT OFF

WEPCTL AEGIS SQT OFF

CMBT SYS SUPT/AEGIS TEST OFF

DPE SM-3 BLK 11A ENGINEER

5. Significant Experience Criteria:

a. Combat Systems/57XX S-coded Billets are justified when:

(1) The specific capabilities and requirements of paragraph 1.a. and 1.b. listed above are desired/required.

b. Combat Systems/57XX S-coded Officers are authorized when:

(1) The Officer has filled an S, R, P, Q coded billet for more than 18 months and has no Subspecialty Code in this field.

(2) FITREP justifies officer has accomplished the task indicated above for more than 18 months.

c. Combat Systems/57XX R-coded Billets are justified when:

(1) The specific capabilities and requirements of paragraph 1.a. through 1.d. listed above are desired/required.

d. Combat Systems/57XX R-coded Officers are authorized when:

(1) The officer has filled an R, P, Q coded billet for more than 18 months and has no Subspecialty Code in this field.

(2) FITREP justifies officer has accomplished the task indicated above for more than 18 months.

6. Baccalaureate Criteria:

- a. Combat Systems/57XX E-coded Billets are not authorized.
- b. Combat Systems/57XX E-coded Officers are not authorized.

7. Elective Level Criteria:

- a. Combat Systems/57XX H-coded Billets are justified when:

(1) Engineering and Technology (5XXX) billets requiring expertise in Combat Systems where a master's level of knowledge is desirable but not essential for optimum performance.

8. Functional Education Criteria:

- a. Combat Systems/57XX F-coded Officers are authorized when:

(1) An officer has not completed all required ESR's (to include not completing a Thesis at NPS) but has completed all the requirements for a Master's degree in a Combat Systems related field.

(2) An officer attends a Civilian Intuition and completes all but three or less ESRs and has completed all the requirements for a Master's degree in a Combat Systems related field.

- b. Combat Systems/57XX G-coded Officers are authorized when:

(1) An officer has an F code and has done a tour in a master's degree or higher coded billet (P, Q, C, D).

9. Masters Criteria for:

- a. Combat Systems/57XX P-coded Billets are justified when the billet requires:

(1) Expertise in Combat Systems where a master's level of knowledge is essential for optimum performance.

(2) Conception, implementation, appraisal, or management of complex Navy and/or DoD programs.

b. Combat Systems/57XX P-coded Officers are authorized when:

(1) The officer completes all of the Combat Systems Science and Engineering (533) curriculum ESRs.

(2) The officer is awarded an approved Master's degree associated with the Combat Systems Science and Engineering (533) curriculum.

(3) Full subspecialty will not be given if a thesis is not completed. The officer will receive the F Subspecialty Code. Utilization and obligations are still required. (NOTE: When thesis is completed, student must apply to the NPS registrar for a new transcript which should be forwarded to PERS-43 to update the Officer Master File.)

c. Combat Systems/57XX I-coded Officers are authorized when:

(1) The officer completes a Master's degree awarded through the Intermediate Graduate Education Program (IGEP) at an approved institution.

(2) Does not fully meet P code requirements. Officer will maintain I code even after tour in an S, R, P, Q, H coded billet.

d. Combat Systems/57XX Q-coded Billets are justified when the billet requires:

(1) Expertise in Combat Systems where a master's level of knowledge is essential for optimum performance.

(2) Conception, implementation, appraisal, or management of complex Navy and/or DoD programs.

(3) Professional experience and proven performance are required.

e. Combat Systems/57XX Q-coded Officers are authorized when:

(1) They complete Combat Systems Science and Engineering (533) curriculum ESRs, earn a Master's degree, and have done at least 18 months in a master's degree or higher coded billet (P, Q, C, D)- Must have a P code prior to Q coded tour.

(2) F coded officers cannot obtain Q codes. They will be authorized G codes.

10. Post-Masters:

- a. Combat Systems/57XX N-coded Billets are not authorized.
- b. Combat Systems/57XX N-Coded Officers are not authorized.
- c. Combat Systems/57XX M-coded Billets are not authorized.
- d. Combat Systems/57XX M-coded Officers are not authorized.

11. Doctorate Criteria:

a. Combat Systems/57XX D-coded Billets are justified when the billet requires:

(1) Expertise in Combat Systems where a doctorate level of knowledge is essential for optimum performance.

(2) Conception, implementation, appraisal, or management of complex Navy and/or DoD programs.

b. Combat Systems/57XX D-coded Officers are authorized when:

(1) The officer completes all of the Combat Systems Science and Engineering (533) curriculum ESRs.

(2) The officer is awarded an approved Doctorate degree associated with the Combat Systems Science and Engineering (533) curriculum.

c. Combat Systems/57XX C-coded Billets are justified when the billet requires:

(1) Expertise in Combat Systems where a doctorate level of knowledge is essential for optimum performance.

(2) Conception, implementation, appraisal, or management of complex Navy and/or DoD programs.

(3) Professional experience and proven performance are required.

d. Combat Systems/57XX C-coded Officers are authorized when:

(1) The officer completes Combat Systems Science and Engineering (533) ESRs, earns a Doctorate degree, and has done at least 18 months in a D coded billet. Officer must have a D code prior to C coded tour.

12. Community Managers and the Budget Submitting Office have agreed to allow billets to be coded for Combat Systems/57XX and officers to be educated for this curriculum.

Designator Officer Community Management (BUPERS-31)

- a. 111X Surface Warfare OCM BUPERS-311
- b. 112X Submarine Warfare OCM BUPERS-312
- c. 13XX Aviation OCM BUPERS-313
- d. 14XX Engineering Duty OCM BUPERS-314C

13. Sponsor and Subject Matter Experts:

Sponsor: RDML James D. Syring, NAVSEA, Program Executive Officer, Integrated Warfare Systems (PEO IWS)

Subject Matter Expert: Robert A. Klocek, NAVSEA 10TM.1

APPROVED:  11/15/11
[PEO IWS/SIGNATURE] [DATE]

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