

2021 - 2022 CORE SKILL REQUIREMENTS  
FACILITIES ENGINEERING  
SUBSPECIALTY 1101  
CURRICULUM 470, 471, 473

1. The Facilities Engineering Subspecialty Code (1101) identifies an officer with a broad, graduate level technical education in Facilities Engineering. The officer will have an in-depth understanding of the planning, operations, maintenance, and repair of buildings, property, equipment, and major infrastructure to sustain assets, create safe and efficient living and working environments. Specific capabilities and requirements include the following:

a. The ability to formulate and solve engineering and technical problems. Competence in research, design, development, procurement, and maintenance of large-scale infrastructure. Ability to prepare and present technical briefings, project plans, and reports.

b. The ability to use techniques, skills, and modern engineering tools for facilities engineering practice, including the ability to analyze and interpret relevant data.

c. The ability to apply knowledge acquired in academic disciplines specifically to concept formulation, design, acquisition, construction/modernization, maintenance, and industrial support across shore infrastructure.

2. Billet subspecialty coding is to be based on the minimum education/training/experience level required for optimum performance. Facilities Engineering (1101) Subspecialty Codes are justified when, in addition to the general criteria stated in reference (c), the following specific criteria are satisfied:

a. Subspecialty Coding Restrictions: Billets assigned to Civil Engineer Corps (CEC) Officers.

b. Applicable Officer Designator: 5100.

c. Applicable Billet Designator: 5100.

d. Significant Experience Criteria:

(1) Facilities Engineering (1101) S-coded billets are not justified.

(2) Facilities Engineering (1101) S-coded officers are authorized when:

(a) The officer has no other 1101 Subspecialty Code; and

(b) The officer has served at least 18 months in an 1101P or higher coded billet.

(3) Facilities Engineering (1101) R-coded billets are not justified.

(4) Facilities Engineering (1101) R-coded officers are not authorized.

e. Baccalaureate Criteria:

(1) Facilities Engineering (1101) E-coded billets are not justified.

(2) Facilities Engineering (1101) E-coded officers are not authorized.

f. Elective Level Criteria:

(1) Facilities Engineering (1101) H-coded billets are not justified.

(2) Facilities Engineering (1101) H-coded officers are not authorized.

g. Functional Education Criteria:

(1) Facilities Engineering (1101) F-coded billets are not justified.

(2) Facilities Engineering (1101) F-coded officers are not authorized.

(3) Facilities Engineering (1101) G-coded billets are not justified.

(4) Facilities Engineering (1101) G-coded officers are not authorized.

h. Master's Criteria:

(1) Facilities Engineering (1101) P-coded billets are justified when the billet's primary duties require expertise in Facilities Engineering at a Master's degree level of knowledge.

(2) Facilities Engineering (1101) P-coded officers are authorized when the officer satisfies all Facilities Engineering (1101P) ESRs. Utilization and obligations are still required in either case.

(3) Facilities Engineering (1101) Q-coded billets are justified when the billet's primary duties require expertise in Facilities Engineering at a Master's degree level of knowledge and work experience in Facilities Engineering in planning, operations, maintenance, and repair of buildings, property, equipment, and major infrastructure.

(4) Facilities Engineering (1101) Q-coded officers are authorized when:

(a) The officer has a 1101P code; and

(b) The officer serves at least 18 months in an 1101P or higher coded billet.

i. Post-Master's (Engineer) Criteria:

Enclosure (1)

- (1) Facilities Engineering (1101) N-coded billets are not justified.
- (2) Facilities Engineering (1101) N-coded officers are not authorized.
- (3) Facilities Engineering (1101) M-coded billets are not justified.
- (4) Facilities Engineering (1101) M-coded officers are not authorized.

j. Doctorate Criteria:

- (1) Facilities Engineering (1101) D-coded billets are not justified.
- (2) Facilities Engineering (1101) D-coded officers are not authorized.
- (3) Facilities Engineering (1101) C-coded billets are not justified.
- (4) Facilities Engineering (1101) C-coded officers are not authorized.

3. CEC Officer Community Manager and the Budget Submitting Office have agreed to allow billets to be coded for Facilities Engineering (1101) and officers to be educated for this Curriculum.

4. Sponsor and Subject Matter Expert:

Sponsor:

Subject Matter Expert:

6/15/2021

(Date)

10/27/21

(Date)

Enclosure (1)