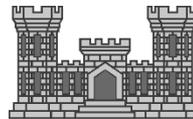




Engineer



Year Group 2017

INTELLIGENCES: Interpersonal, Logical-Mathematical, Spatial

SKILLS: Engineer officers must possess an innate ability to evaluate and assess problems, the resident knowledge to brainstorm possibilities, and then quickly implement solutions to solve problems facing our commanders. This requires a design mindset – the ability to develop tasks and work processes for teams and motivate those teams to reach harmoniously, efficiently, and effectively desired outcomes. Officers must thrive in the world of abstract concepts and data-based reasoning, be able to discriminate and filter information of importance, and be capable of rapid visualization; all while skillfully possessing the ability to communicate concepts verbally or in writing. Collectively, these skills make Engineer officers superb problem solvers and invaluable to our Army and Nation.

KNOWLEDGE: The Engineer branch strongly desires officers with academic backgrounds in the domain-specific disciplines listed below, with particular emphasis on degrees that are accredited by the Accreditation Board for Engineering and Technology (ABET) and National Architectural Accrediting Board (NAAB). These disciplines provide a foundation in scientific and design methods that enable officers to become expert problem solvers.

- **RELEVANT EDUCATION PRIORITY 1:** ABET-EAC Engineering (Architectural, Civil, Mechanical, Electrical, Systems, Environmental, Chemical, Nuclear); NAAB Architecture; PAB Planning (Urban, City, Regional); ACCE Construction Management/Science; Engineering Management; GIS.
- **RELEVANT EDUCATION PRIORITY 2:** ABET-ETAC Engineering Technology; non-NAAB Architecture/Environmental Design; other Science, Technology, Engineering and Mathematics (STEM) disciplines.
- **RELEVANT EDUCATION PRIORITY 3:** All other disciplines.
- **RELEVANT TRAINING/EXPERIENCE:** Cadet Troop Leading Time / Leader Development Time (CTLT / CLDT) with Engineer Unit or Academic Enrichment Program in engineering or related activity (not all inclusive).

BEHAVIORS: (In addition to foundational)

- | | | | |
|----------------------|-------------------------|---------------------------------|--------------------------|
| ➤ ADAPTABLE | ➤ DEPENDABLE | ➤ INNOVATIVE | ➤ PROACTIVE |
| ➤ AMBITIOUS | ➤ DETAIL FOCUSED | ➤ INSPIRING | ➤ PROBLEM SOLVING |
| ➤ CHARISMATIC | ➤ DILIGENT | ➤ INTELLECTUALLY CURIOUS | ➤ TENACIOUS |
| ➤ COMMITTED | ➤ EXPERT | ➤ PERCEPTIVE | ➤ VISIONARY |

TALENT PRIORITIES:

- 1. DOMAIN-SPECIFIC EDUCATION:** Possessing a degree in engineering (ABET-preferred), architecture or environmental design (NAAB-preferred), construction management/science (ACCE-preferred), landscape architecture (LAAB preferred), planning (PAB-preferred), high performers in science, technology, engineering, and math (STEM) disciplines.
- 2. PROJECT MANAGER:** Able to determine requirements, develop work processes, delegate responsibilities, and lead teams to desired outcomes.
- 3. PROBLEM SOLVER:** Able to choose between best practices and unorthodox approaches to reach a solution. Accomplishes the task.
- 4. INSPIRATIONAL LEADER:** Motivates teams to work harmoniously and productively towards a common goal.
- 5. SPATIALLY INTELLIGENT:** Easily perceives, understands, and operates within the multi-dimensional world.