

**Total Ship Systems (5308)****Core Skill Requirements****DUTIES**

The Engineering and Technology (Electrical/Electronic Systems-Total Ship) subspecialty code (5308) will provide a command with an officer possessing an engineering background in Electrical Engineering. In addition to the traditional Electrical Engineering disciplines, the officer will have a broad-based, design oriented educational background focusing on the warship as a total engineering system including hull, mechanical, electrical, and combat systems. Specific capabilities/requirements generally include:

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.

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

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

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

**REPRESENTATIVE BILLETS****REQUIREMENTS**

This subspecialty code can be earned through successful completion of graduate level education in the discipline of Electrical Engineering and will meet all applicable ESRs through the completion of the Electrical Engineering-Total Ship Systems Engineering (TSSE) Track curriculum at NPS. Level of graduate study will determine approval of P (Masters level), N (Engineer's degree) or D (Doctorate level) coding.

**QUALIFIED DESIGNATORS**

1001 - 1019 / 1021 - 1049 / 1051 - 1099 / 1100 - 1109 / 1110 - 1119 / 1120 - 1129 / 1130 - 1139 / 1140 - 1159 / 1160 - 1169 / 1170 - 1179 / 1180 - 1189 / 1190 - 1199 / 1200 - 1209 / 1200 - 1299 / 1300 - 1399 / 1400 - 1499 / 1510 - 1519 / 1610 - 1629 /

**SOURCES****CURRICULUM / SCHOOLS****CURRICULUM NUMBER 590**

Months: 21-27 MS

Weeks: 97-117

Start Dates: Any Quarter

Schools:

- NPS

**GENERAL QUALIFICATIONS****TOUR LENGTH****SPECIFIC CRITERIA FOR AWARDED THE 5308 CODE****SPONSORS****Major Area Sponsor****Robert A. Klocek**

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