

Total Ship Systems (5602)**Core Skill Requirements****DUTIES**

The Engineering and Technology (Naval Mechanical - Total Ship) subspecialty code (5602) will provide a command with an officer possessing an engineering background in Mechanical Engineering. In addition to the traditional Mechanical Engineering core 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 Naval Mechanical Engineering and will meet all applicable ESRs through the completion of the Total Ship Systems Engineering (TSSE) track of the Naval Mechanical Engineering 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 /

SOURCES**CURRICULUM / SCHOOLS****CURRICULUM NUMBER 570**

Months: 24 MS

Weeks: 104

Start Dates: APR/OCT

Schools:

- NPS

GENERAL QUALIFICATIONS**TOUR LENGTH****SPECIFIC CRITERIA FOR AWARDDING THE 5602 CODE****SPONSORS****Major Area Sponsor****Robert A. Klocek**

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