

Engineering Sea Bag Requirements - Cruise 2008

The tools, books, and safety equipment listed below are requirements for all engineering cadets including all 4/C cadets participating in the 2008 training cruise.

Safety Equipment required for all Classes

- Steel Toed Shoes or Boots
- Boiler Suit *with long sleeves*
- Hearing protection with a noise reduction rating of (NRR-22) or higher. Ear muffs are required in the Engineerroom.
- Safety Glasses meeting the ANSI Z87.1-2003 standard with clear lenses. No colored lenses are allowed in the Engineering labs or in the Engineerroom.
- Safety Goggles
- Hard Hat
- Canvas/Leather work gloves
- **Plastic** 2 D-Cell or equivalent. *No metal cases or Mini Maglights*
- Extra Batteries and bulbs for flashlights

4/C Tools

- One Adjustable Wrench, 6-8"
- One Channellock Pliers, 6-8"
- One Jackknife *no sheath knives*

Books 4/c

- Intro to Steam Engineering

Books 3/c and up

- Marine Engineering Workbooks

3/C and 2/C Tools

All tools previously mentioned plus:

- Tool Box with Lock
- 6" - 8" Pipe Wrench
- Assorted Flat Blade & Phillips Blade Screwdrivers
- Tape Measure, 6' minimum
- Socket Set, 3/8" drive, (1/4" to 7/8")
- Combination Wrench Set, 1/4" to 1"
- Feeler Gage Set
- **Lock-out/Tag-out kit**

1/C Tools

All tools previously mentioned plus:

- Allen Wrench set up to 3/8"
- Utility Knife w/blades
- 6" Vernier Calipers
- 1" Micrometer
- Needle Nose Pliers
- Vise Grip Pliers, 6" or 8"
- Tool Bag (suggested)
- **Lock-out/Tag-out kit**

Engineering Rate Tools (1/C)

All tools previously mentioned plus:

- 1/2" Drive Socket Set to 1"
- Nut Driver Set
- 6" Steel Rule
- **Lock-out/Tag-out kit**

Electrical Rate Tools (1/C)

All tools previously mentioned plus:

- Wire Stripper 8 – 18 AWG
- Insulated Screwdriver Set
- Electrical Gloves
- Fuse Puller
- Multimeter
- **Lock-out/Tag-out kit**