### WEATHER OBSERVER (PROFESSIONAL & KINDRED)

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<th>RAPIDS: 0001N</th>
<th>O*NET/SOC: 19-4099.00</th>
<th>REVISION DATE: 12/2014</th>
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Observes and records weather conditions for use in forecasting: Periodically observes general weather, sky and visibility conditions, reads weather instruments and records data. Operates weather information collection and communication equipment and systems.

#### Applicable Ratings/MOS
- USMC MOS 0847, 6821, 6842, 6852
- USCG BM, MST
- USN AG, QM

#### Related Instruction
- Any trade related schools/courses totaling 288 hours.

#### Additional Requirement
- None

Total Hours: **4000**

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<th>Skill</th>
<th>Description</th>
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| A | **EQUIPMENT OPERATION**  
Operate meteorological equipment to obtain environmental data such as: Automatic weather station, hand held anemometer, aneroid barometer, electric psychrometer, barograph, psychrometric calculator, sling psychrometer, 4 inch rain gauge, transmissometer, cloud height set and wind recorder. Operate communications equipment to receive and disseminate environmental data; to include, but not limited to: Radio receivers and transmitters (and related components), telephone answering systems, and closed-circuit television systems. Operate computers to obtain operational data; to include, but not limited to: Pilot balloon observations, basic skew-T analysis, OPARS, SAR, surf and surge forecasts, sound focus forecasts, RADFO data, astronomical/climatological data and word processing. | 1000 |
| B | **ROUTINE MAINTENANCE**  
Perform operators preventive maintenance and routine checks on all meteorological and communications equipment. Observe prescribed safety precautions. | 500 |
| C | **DECODE/ENCODE ENVIRONMENTAL DATA** | 500 |
| D | **WEATHER CONDITIONS**  
Observe and record weather conditions for use in forecasting. Observe general weather, sky and visibility conditions, and read weather instruments including thermometers, barometers, and hygrometers to ascertain elements such as; temperature, barometric pressure, humidity, wind velocity, and precipitation. | 1500 |
|  | **WEATHER DATA COLLECTION** |
Transmit and receive weather data from other stations. Collect upper-air data on temperature, humidity, and winds using weather balloon, radiosonde equipment, and other related equipment.