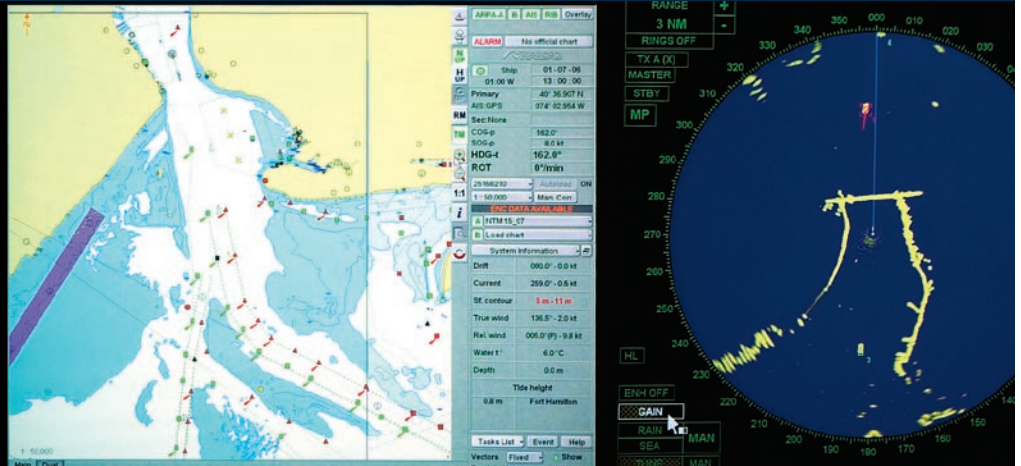


ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEMS (ECDIS)

## ELECTRONIC CHART DISPLAY & INFORMATION SYSTEMS (ECDIS)



MARITIME INSTITUTE OF TECHNOLOGY AND GRADUATE STUDIES - PACIFIC MARITIME INSTITUTE

## Required Course for Chief Mate / Master license

The Electronic Chart Display and Information Systems (ECDIS) course is a required part of the Advanced Navigation requirement for the Chief Mate/Master license.

**This course is recommended for:**  
licensed officers.

**What program is this course a part of?:** Chief Mate / Master license

**MITAGS Dates:**  
Aug 16–20, Nov 15–19, Dec 13–17

**PMI Dates:** Aug 16–20, Sept 27–Oct 1, Nov 15–19

**Duration:** 5 Days

**Cost:** \$1,250

**Location:** MITAGS and PMI

**MITAGS contact Information:**  
Mary Matlock, Admissions,  
Call 866-656-5568 or e-mail  
at [admissions@mitags.org](mailto:admissions@mitags.org)

**PMI contact Information:**  
Jennifer Pitzen, Registrar  
Call 206 838 1126 or e-mail  
[jpitzen@mates.org](mailto:jpitzen@mates.org)

This USCG approved ECDIS course, when combined with successful completion of the MITAGS Voyage Planning Electronic Navigation (VPEN) Course results in satisfying all of the assessments required for Advanced Navigation. Course attendees must be licensed officers. The 35-hour EDCIS course is designed to enhance the safety of navigation by providing the knowledge and skills necessary to fully utilize ECDIS. Conforming to IMO Performance Standards for ECDIS, the course incorporates live marine ECDIS equipment, networked with interactive blind bridge simulators. Class size is limited so that there will be one mariner per workstation, and no more than two mariners working in rotation on the ECDIS bridge simulation. The ECDIS used is the Transas Marine NaviSailor software and meets IMO performance standards. NaviSailor includes additional functions such as integration of AIS targets, display of tide, current and wind data, weather information options, and military information layers. MITAGS ECDIS simulators receive position, heading, speed, ARPA, and AIS data input. Mariners become proficient in operating ECDIS equipment in navigational contexts of increasing challenges.

Guided by task performance measures and standards through lessons, exercises, and formal simulation evaluations mariners develop and demonstrate their skills in validity of sensor data (including radar overlay), potential errors of interpretation, selecting operational settings and alarms for route monitoring, use, installation and correction of electronic charts, route planning and scheduling, navigational calculations, accessing ship's log and data playback functions, and ARPA, AIS and trial maneuver functions. Prior to taking this course, mariners must be certified in coastal navigation and basic piloting and be skilled in intermediate computer operations. Mariners will benefit from prior experience in collision avoidance on ARPA and Radar (strongly recommended), Ship Handling, Bridge Resource Management, and Chart Portfolio Management.

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