

MARINE ELECTRONICS

Learn theory, testing, installation and repair of marine electronic equipment. Electronic equipment covered will include radar, VHF radio, GPS units, etc.

KVCC is now offering a **Certificate Program** containing the core courses necessary for the start of this exciting career. For those students wanting to further their education, these courses will transfer into the two-year Applied Electronics and Computer Technology Program at KVCC.

These courses start late in the day to accommodate students' busy schedules and are being held at the Mid-Coast School of Technology in Rockland.

Take that first step toward a better future!
College education you can afford!

KVCC is accredited by the
New England Association of Schools and Colleges, Inc.
Commission on Institutions of Higher Education

Kennebec Valley Community College
Is an equal opportunity/affirmative action institution
and employer. For more information, please contact
John Delile, 207-453-5123.

Kennebec Valley Community College
92 Western Avenue
Fairfield, Maine 04937

Marine Electronics

A CERTIFICATE PROGRAM SPONSORED BY

Kennebec Valley Community College



Courses to be held at:

**MID-COAST SCHOOL OF
TECHNOLOGY (MCST)
One Main Street
Rockland, Maine**

KVCC
YOUR PATH TO SUCCESS

Applied Electronics and Computer Technology: Marine Electronics Technician Certificate

The Applied Electronics and Computer Technology program at Kennebec Valley Community College prepares men and women for entry level positions in the fields of electronics, telecommunications, and computer technology. The program will provide students with the technical background and manual skills necessary for careers in the installation, maintenance, technical support, and troubleshooting of state-of-the-art electronics, telecommunications, and computer technology systems and equipment.

The Marine Electronics Technician Certificate program prepares students for entry level work as electronic technicians specializing in marine applications. As a marine electronics technician, students will evaluate, test, and repair the systems and equipment used on ships. At sea, students will maintain computer networks, repair electronic oceanographic equipment, and install new equipment to meet specific ship needs. In the event of an instrument failure, a student's job will be to determine the problem and fix it. Ocean travel is often required.

The Direct Current Theory/Lab course will be taught by **David Wittemore**, who has taught electronics part-time since 1980. He holds a degree from UMA, and was employed by Central Maine Power Company as an Electronics Specialist for 24 years before moving to system operation responsibilities for the same company. The course will be supplemented by area marine applications specialists.

National Certification

Each student will be encouraged to take the following nationally recognized professional certification exam. This certification will aid the graduate in gaining employment in the marine electronics field.

The National Marine Electronics Association (NMEA) established the Certified Marine Electronics Technicians (CMET) Program in the 1980s to provide a standard for marine electronics technicians. The goal is to give everyone in the marine electronics industry – consumers, dealers, distributors and manufacturers – a standard to ensure quality installation and service of marine electronics equipment. The certification process is continually upgraded and improved to reflect the latest advances in marine electronics technology.

Program Requirements

Technical—18 credits

ETL113 Direct Current Theory / Lab
ETL114 Alternating Current Theory / Lab
ETC119 Digital Electronics
ETC125 Semiconductor Fundamentals
ETC225 Analog Circuit Analysis
ETC240 Electronic Communications Systems

General Education Courses—6 credits

ENG108 Technical Writing
MAT114 College Math

These courses will transfer to the two-year Applied Electronics & Computer Technology Program at KVCC. Class descriptions can be found at <http://www.kvcc.me.edu>

Financial Aid

As a student enrolled in this Certificate program, you may qualify for federal financial assistance. Other training scholarships may also be available. All programs are approved by the Office of Military and Veteran's Education, Department of Education, for educational assistance through the VA.

**For more information, contact
Jim Bourgoin at:**

**Kennebec Valley
Community College
92 Western Ave.
Fairfield, ME 04937**

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***Courses begin the week of
January 16, 2007***