

# CAPE FEAR COMMUNITY COLLEGE

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### FT Chief Engineer

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### Posting Details

#### Position Summary Information

<b>Position to be Filled</b>	FT Chief Engineer
<b>PVA Number</b>	17-133
<b>Employment Type</b>	Full Time (FT)
<b>Months Per Year</b>	Twelve (12) Months
<b>Salary</b>	Commensurate with Experience

High school diploma or equivalency, supplemented by at least one year of post secondary marine engineering training.

1. Possession of, or the ability to obtain, a U.S. Coast Guard Chief Engineer or Designated Duty Engineer's license for 1000 horsepower vessels.

**Minimum Required Education/Training**

2. US Coast Guard STCW certification and Merchant Mariner's Document.
3. Possession of, or ability to obtain, valid CPR and First Aid certification.
4. Possession of, or ability to obtain, a Transportation Workers Identification Card (TWIC).
5. Possession of, or ability to obtain a US passport

**Minimum Required Experience**

At least 5 years of seagoing experience working in diesel engine plants on offshore vessels preferred.

Caterpillar diesels experience preferred.

**Preferred Education/Training, Experience, Skills**

Experience and proven abilities as a welder and machinist preferred.

Experience and proven abilities in operation and maintenance of marine hydraulic equipment preferred.

**Special Instructions to Applicants****Application Deadline**

Extended Job Description

**Definition**

To operate and maintain the machinery plant on the college's primary sea training vessel (currently the R/V CAPE HATTERAS); and provide assistance to the Marine Superintendent in the operation and maintenance of machinery plants for the College's fleet of smaller diesel-propelled vessels; and perform clerical duties in support of ship operations.

**Supervision**

Receives general supervision from the ship's Captain.

**Received/Exercised**

Exercises functional and technical supervision to ship's First Assistant Engineer and to College Work/Study students.

**Essential Functions**

1. Operate and maintain the main propulsion engines and all auxiliary machinery including generators and electrical systems (AC and DC), ship electronics, hydraulic system and deck machinery (winches, frames, cranes, etc.), heating, air conditioning and refrigeration systems.
2. Supervise the procurement and loading of fuel oil, lube oil, and potable water sufficient for voyages. Ensure that vessels are provided with ample tools, spare parts and supplies to ensure seaworthiness for voyages.
3. Stand engine room watches (6 hours on, 6 hours off) while underway on the primary sea training vessel. Continually monitor equipment for proper operation. Be available at all times for maintenance or repair work as necessary. Make occasional day voyages performing engineer's duties on College's smaller diesel-propelled vessels.
4. When docking or undocking, while in restricted waters, and when requested by the Captain, be present in or closely accessible to the engine room.
5. In times of emergency, remain in charge of the engineering department devoting special attention to the needs for damage control, firefighting, controlling ventilation, manning pumps, etc.
6. Provide assistance to instructors, insofar as it is related to the use of machinery such as winches, cranes, pumps, compressors, etc.
7. Maintain cleanliness and order in all spaces under his supervision and authority.
8. Maintain a running inventory of parts and supplies; and manage a planned maintenance timetable including periodic inspections of all spaces and systems on the ship. Inform Ship's Captain regarding material and repair needs for the ship.

Order parts and supplies as needed.

Maintain ship fuel levels.

Maintain a logbook of ship engine operations.

Identify, coordinate, and supervise shipyard repairs.

Observe students to ensure adherence to safety measures and provide guidance and instruction to students as necessary.

Perform related duties and responsibilities as required.

Sea vessel operation.

Engine maintenance and repair.

**Knowledge of**

Ship construction, operation, seaworthiness and safety procedures.

Pertinent Federal, State, and local laws, codes and regulations.

Principles of supervision, training and performance evaluation.

First aid and CPR.

Maintain and repair ship machinery and equipment.

Analyze problems; identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals.

Interpret and apply Federal, State and local policies, procedures, laws and regulations.

Maintain effective audio-visual discrimination and perception needed for:

- making observations
- reading and writing
- communicating with others
- operating assigned equipment

## Ability To

diagnosing engine and equipment problems

handling varied tasks simultaneously.

Maintain physical condition appropriate to the performance of assigned duties and responsibilities, which may include the following:

working in confined spaces

walking, standing or sitting for extended periods of time

working under harsh weather conditions

working at sea

operating assigned equipment.

Effectively deal with personal danger, which may include exposure to:

working in high places

dealing with air contamination

difficult working conditions involving high noise levels, confined spaces, low illumination and vibration.

Communicate clearly and concisely, both orally and in writing.

Maintain mental capacity, which allows the capability of:

making sound decisions

responding to questions

diagnosing engine and equipment problems

demonstrating intellectual capabilities.

Establish and maintain cooperative-working relationships with those contacted in the course of work.

## Posting Specific Questions

Required fields are indicated with an asterisk (\*).

1. \* Please indicate your referral source
  - o Job Posting/Employee at CFCC
  - o NC Employment Security Commissions
  - o Job Posting at Other College/University
  - o Newspaper (please list below)
  - o Internet Site (please list below)
  - o Other (please list below)
2. Please specify details, if applicable

(Open Ended Question)

3. \* I UNDERSTAND that CAPE FEAR COMMUNITY COLLEGE requires a complete description of work history with all employment experience detailed to be considered for employment. I have included all of this information within my application. (If you haven't completed the application requirements, please return to your application to finish before submitting your application. Applications will be considered incomplete if "see resume" is indicated on your work history.)
  - o Yes, I understand and have fully completed all requirements.

## Applicant Documents

### Required Documents

1. Resume/CV
2. Cover Letter
3. Unofficial Transcripts

### Optional Documents

1. Other Documents 1
2. Training Certification

411 North Front St, Wilmington, NC 28401

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