

# MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

**Adjunct Engineering Lab Instructor – Summer 2026 semester (May 5-July 28)**

Course: **BIW ET235: *Material Properties and Testing***

Duty Location: Brunswick, Maine

## **POSITION OVERVIEW**

This document describes duties that the Academy expects of adjunct faculty members. Adjunct faculty are non-permanent, temporary faculty who are hired on a semester by semester basis.

## **TEACHING**

Teaching responsibilities include time spent in the classroom, laboratory, or training ship(s) and in immediate preparation for these; maintaining and improving competence in subjects being taught; preparing contemporary teaching materials; conferring with students on course materials; directing individual and group studies and practica; reviewing written examinations and papers; evaluating presentations; supervising independent study projects, supervising or teaching clinical cooperatives or industry programs, and assigning grades according to existing Academy policy.

## **OTHER ASPECTS OF FACULTY PERFORMANCE**

Collegiality, as well as professional and ethical conduct, enhances teaching, learning and the general reputation of all persons in the academy. Therefore, all faculty members are expected to serve in a collegial fashion and in accordance with professional and ethical principles when dealing with other faculty members, students, administrators, and members of the public.

## **DUTIES**

- Coordinate hands-on learning experiences for *BIW ET235 Material Properties and Testing*, a 3-credit undergraduate course taught as part of the Bath Iron Works Apprenticeship Program and MMA's Associate Degree Programs in Ship Design and Ship Production. These hands-on experiences consist primarily of 3 laboratory sessions held in the facilities of Bath Iron Works. Shorter, less formal hands-on experiences may also take place in the classroom.
- Contribute to the development, planning and implementation of a high-quality curriculum in Maine Maritime's BIW Program in Ship Design & Ship Production.
- Assist in the development of learning materials, by assisting in the preparation of the syllabus and lesson plans and maintaining records to monitor student progress, achievement and attendance.
- Help develop, administer and mark exams and other assessments.
- Provide advice and support to students.
- Inform students of their progress by promptly returning assignments, quizzes, papers and exams
- Maintain awareness and enforce fire and health and safety regulations applicable to the teaching location.

## **ESSENTIAL SKILLS**

- Familiarity with Bath Iron Works, including its engineering and manufacturing processes.
- Teaching and other forms of public presentation.
- Ability to supervise academic work by undergraduate students.
- Ability to manage time and work to strict deadlines.

- Ability to write clearly and tailor communication style to meet the needs of the recipient.
- Ability to work collaboratively.
- Commitment to high quality teaching and fostering a positive learning environment for students
- Commitment to MMA's policy of equal opportunity and the ability to work harmoniously with colleagues and students of all genders, cultures and backgrounds
- Excellent interpersonal, organizational and communication skills are essential
- Ability to maintain composure in stressful situations
- High degree of professionalism
- Demonstrated integrity and ability to maintain confidentiality

#### **MINIMUM QUALIFICATIONS**

- Bachelor's degree from an accredited institution in a relevant field, such as mechanical engineering, materials science, materials engineering, or naval architecture.
- Minimum of 2 years experience in their appropriate industry.
- Prior successful teaching/training experience desired.

#### **SPECIAL CONDITIONS**

- Background check is required
- Tobacco-free campus.
- Must present original copies of transcripts

#### **COURSES/POSITIONS AVAILABLE**

**BIW ET235: Material Properties & Testing** — This course is part of the **BIW Apprenticeship Program** — A foundation course designed to acquaint the student with the properties and testing procedures of today's common industrial materials used in ship building. Materials science, application considerations, and analysis of properties of metals, polymers, wood, material coatings, ceramics and composites will be covered through classroom and laboratory activity. Students will study the destructive and non-destructive testing procedures performed to identify and determine mechanical, physical and other properties for specific industrial and ship building applications. Rec. 3, Lab 0, Cr. 3.

The lab instructor will coordinate three lab sessions held at BIW facilities. Other shorter, less formal hands-on experiences will take place in the classroom.

The course is scheduled to meet once per week, on Tuesdays from 12:00 to 3:30 PM, from May 5 – July 28, 2026.

One three-hour lecture period per week

One instructor per section plus a teaching/lab assistant (1 section available)

Projected Class Size: 20

Compensation starts at \$1,500

---

## **TO APPLY**

Go to Maine Maritime Academy's Employment page:  
<https://mainemaritime.edu/employment-at-mma/faculty-positions/>.

Interested individuals should submit a cover letter and resume including contact information for at least three professional references using the online [Employment Application](#).

**Do Not Send Personally Identifiable Information (PII) by email.**

**PLEASE NOTE THAT INCOMPLETE SUBMISSIONS WILL NOT BE CONSIDERED.**

**All offers are made contingent upon the successful completion of a criminal background investigation. Individuals cruising onboard our ships are also required to undergo a pre-employment drug-screening.**

### **Tobacco-Free Notice**

For the health and wellbeing of our community, the Maine Maritime Academy campus and vessels (ashore and afloat) are smoke- and tobacco-free as of August 1, 2016.

- [Smoke and Tobacco Free Campus Policy](#) (effective 8/1/16)

### **Equal Employment Opportunities**

Maine Maritime Academy is an equal opportunity employer. The Academy complies with federal and/or state law that prohibit unlawful discrimination on the basis of race, color, religion, sex, gender identity and/or expression, sexual orientation, national origin, ethnicity, ancestry, marital status, disability, age, genetic information or veteran status. The Academy provides reasonable accommodation to qualified individuals upon request. Women, minorities, and veterans are strongly encouraged to apply.

MMA is unable at this time to sponsor visas. We welcome foreign nationals with valid U.S. work authorization to apply.

### **For further information**

Email the chair of the BIW Program, Dr. Damon Gannon, at [damon.gannon@mma.edu](mailto:damon.gannon@mma.edu).