United States Coast Guard Academy

Assistant/Associate Professor, Mechanical Engineering

Department of Mechanical Engineering

Location:	New London, CT	**Pay Plan /Series/Grade:**	AD-1710-00
Hiring Agency:	United States Coast Guard	**Position Title:**	Assistant/Associate Professor of Mechanical Engineering
Announcement Number:	20261102-69683	**Opening Period:**	Open until filled; first cut-off date is December 1, 2026
School:	Engineering and Cyber Systems		
Department:	Mechanical Engineering	**Temporary or Permanent:**	Permanent
Supervisory:	No	**Relocation Authorized:**	Yes
Telework Eligible:	No	**Security Clearance:**	Non-Sensitive
Salary Range:	$96,704 - $154,668	**Position Type:**	10-month

Description:

The U.S. Coast Guard Academy Department of Mechanical Engineering invites applications for a position as Assistant Professor or Associate Professor of Mechanical Engineering with a focus in manufacturing, industrial, systems engineering, engineering management or other mechanical engineering related areas. The desired start date is July 26, 2027.

The U.S. Coast Guard Academy is a highly selective federal military college that provides a rigorous undergraduate program and is committed to building a talented faculty of teacher-scholars who collaborate to provide a multi-disciplinary and hands-on approach to learning and leadership development. We encourage qualified applicants from all backgrounds to apply for consideration. The U.S. Coast Guard Academy is an Equal Opportunity Employer. Visit www.uscga.edu for more information.

This is an appointment in the excepted service as a tenure track faculty member on a 10-month work schedule for an initial period not to exceed three years, with extensions and a permanent appointment contingent on successful progress and tenure reviews. The first two years of appointment to federal service is a trial period. The work schedule is full-time. This position is not eligible for telework and not eligible for remote work. All teaching is done in person. Relocation expenses are authorized. Occasional travel is required.

Salary offers may be made outside of the listed range for exceptional candidates.

Duties and Responsibilities

The Department of Mechanical Engineering seeks applicants for a tenure track faculty position. We seek a colleague who will teach classes in Mechanical Engineering, lead undergraduate research, perform scholarly research, advise students and contribute service to the institution. The selectee will teach in-person classes during Fall and Spring semesters and may be requested to teach during summer term. Remote or virtual teaching is not an option. Major duties include:

1. Teach core classes, run laboratories and develop electives in Mechanical Engineering and other related engineering programs up to twelve contact hours/week per semester.
2. Mentor and develop undergraduate students in the Mechanical Engineering program.
3. Advise senior-level capstone design projects and undergraduate research in Mechanical Engineering.
4. Perform scholarly research in a Mechanical Engineering Specialty Area such as manufacturing, industrial, systems engineering or other mechanical engineering related areas. Consideration will be given to candidates engaged in these activities as a Professional Engineer.
5. Perform rank-appropriate service activities for the Department, School, Institution, and Profession.

The Department of Mechanical Engineering offers an engaging collaborative work environment with an intensive four-year ABET-accredited curriculum to understand engineering principles and acquire the technical expertise and critical thinking skills needed for career paths that include aviation engineering, naval engineering and marine safety.

Minimum Qualifications

1. Doctoral degree in Mechanical Engineering or a closely related field. ABD candidates must include a letter in the application from the applicant's major professor attesting that the candidate will complete all requirements for the Ph.D. before July 26, 2027.

Preferred Qualifications

We encourage candidates to apply even if they do not meet all the preferred qualifications listed below.

1) Teaching
    a. Experience teaching, to include teaching assistant experience, in Mechanical Engineering or closely related field.
    b. Ability and intention to employ evidence-based teaching methodologies.
    c. Ability to lead student-centered undergraduate research projects in Mechanical Engineering or cross-disciplinary topics.
2) Professional Skills and Experience
    a. Professional experience in Mechanical Engineering, specifically in modern manufacturing processes, digital twins and modeling approaches, program and team management, Statistical Process Control, etc. Consideration will be given to candidates engaged in these activities as a Professional Engineer.
    b. Professional experience in other engineering disciplines. Consideration will be given to candidates who explain how this experience may enhance the Mechanical Engineering curriculum.
    c. Excellent communication and interpersonal skills.
    d. Record of scholarship including publication in peer-reviewed journals and conferences, conference presentations, and/or participation in professional societies and activities commensurate with stage of career.
3) Leadership and Mentorship
    a. Demonstrated experience consistent with a full commitment to the Coast Guard's core values.

How to Apply:

Please submit the following:

1. Curriculum Vitae (Resume). Please submit this file using the file name "Last Name_CV."
2. A Letter of Application. Please submit this file using the file name "Last Name_Letter."
    a. (a) providing a narrative description of how you meet the minimum degree and specialized experience qualifications, as well as the additional qualifications criteria specified in this vacancy announcement (note: qualifications will not be determined by information provided in this letter; rather, the CV must reflect the qualifications, and this letter provides a narrative description); and
    b. (b) listing names, mailing addresses, email addresses, and telephone numbers of at least three professional references.
3. Finalists for the position will be required to provide proof of Education Requirement (Unofficial Transcripts). You may submit this now with your application, or, when directed by the search committee chair. If included with the application, please submit this file using the file name "Last Name_Transcripts."
    a. Finalists will be required to provide evidence of your education by submitting legible copies of your unofficial degree transcripts from accredited colleges/universities. The transcript copies must reflect both your name and the college/university name and/or logo and must include the degree and date conferred. If tentatively selected for this position, you must submit official transcripts to the Human Resources office prior to receiving a firm offer of employment. Foreign education completed in foreign colleges or universities may be used to meet federal qualification requirements if you can show that your foreign education is comparable to education received in accredited institutions in the U.S. It is your responsibility to provide such evidence, e.g., an evaluation statement, with your application. Additional information is available on the Department of State site under evaluation of foreign degrees for a U.S. Government application, linked here: https://www.state.gov/family-liaison-office/family-member-employment/family-member-employment-in-the-d-c-area/evaluation-of-foreign-degrees/
4. Applicants who are ABD Ph.D. candidates must include a letter with the application from the applicant's major professor attesting that the candidate will complete all requirements for the Ph.D. before the anticipated start date. Please submit this file using the file name "Last Name_ABD"
5. Applicants claiming Veterans' preference or if you are currently on active duty:
    a. Veterans claiming 5-point veterans' preference must submit legible Member 4 Copy DD214(s) indicating Character of Service.
    b. 30% Disabled Veterans must submit their Member 4 Copy DD-214(s), which includes Character of Service, a fully completed SF-15, and VA

Disability Letter with percentage of disability OR documentation of disability determination from a branch of the Armed Forces which reflects a compensable service-connected disability of 30% or more.

c. Other 10-point Preference Eligibles must submit applicable Member 4 Copy DD-214(s), which includes Character of Service, a fully completed SF-15, and all required documentation described on the back of the SF-15 which proves that you are entitled to such preference.
d. If you are a current active-duty military member who does not have a DD214 and are claiming preference under the Veterans Opportunity to Work (VOW) Act, you must submit certification from the Armed Forces indicating that you will be discharged or released under honorable conditions from active duty within 120 days from the date on the certification document. Certifications must be on letterhead from the appropriate military branch and include the following information: military dates of service and expected discharge or release date, character of service, military rank, type of discharge and date when terminal leave will begin. Certifications must be signed by, or by direction of military members' military personnel offices, unit commanders or higher headquarters. 5-point preference will not be granted if appropriate documentation is not submitted with your application.
e. Veterans preference will not be granted if the appropriate documentation is not submitted with your application.

Finalists for the position will be required to submit documentation verifying the minimum requirements, including official transcripts. Applicants do not need to provide these by the priority cut-off date but should ensure they are ready to supply them when asked. Official transcripts are required to be submitted prior to receiving a firm offer of employment.

Applications and inquiries can be sent to:
CGA-EDU-SMB-FacultyApplications@uscga.edu

Priority consideration will be given to applications submitted in their entirety by 11:59 PM ET on the first cut-off date of the announcement.

Other Information

DHS offers an attractive benefits package that includes health, dental, vision, life, and long-term care insurance; retirement plan; Thrift Savings Plan [similar to a 401(k)]; Flexible Spending Account; Employee Assistance Program; personal leave days; and paid federal holidays.

Relocation expenses will be paid in accordance with governing regulations.

This position is open to U.S. Citizens.

If you are selected for this position, you will be subject to a determination of your suitability for Federal employment. All selectees are subject to an appropriate investigation as a condition of placement into this position. Certain investigation levels may automatically require a credit check after initial job qualifications have been met. For those positions that do not automatically require a credit check, it may later be required if the initial investigation surfaces a potential issue.

The tentative selectee will be required to complete questions contained on the Declaration for Federal Employment, OF-306 at the time a tentative job offer is made. At the time of appointment, the selectee will be required to update the OF-306. Certain responses on the form could result in disqualification for appointment based on suitability determinations.

DHS uses E-Verify, an Internet-based system, to confirm the eligibility of all newly hired employees to work in the United States. Learn more about your rights and responsibilities at E-Verify.

All Federal employees are required to have Federal salary payments made by direct deposit.

For Veterans' preference eligibility, visit Veterans' Resources and see the How to Apply section of this vacancy announcement.

In alignment with Federal hiring policies, more than one selection may be made from this announcement if additional identical vacancies in the same title, series, grade, and unit occur within 90 days from the date the certificate was issued.

If you need a reasonable accommodation for the application and hiring process, please contact 860-444-8508. Decisions on granting reasonable accommodation will be made on a case-by-case basis. Visit DHS Program of Reasonable Accommodation.

OPM must authorize employment offers for former or current Political Appointees. If you are currently, or have been within the last 5 years, a political Schedule A, Schedule C or Non-Career SES employee in the Executive Branch, you must disclose this information.

What to Expect Next

You will receive an acknowledgement of the receipt of your application. If you do not receive such confirmation, do not assume your application was received. All applicants will receive notification regarding selection or non-selection.