

# DEPARTMENT OF MARINE ENGINEERING TECHNOLOGY

Texas A&M University at Galveston is a special purpose institution for teaching, research, and public service pertaining to marine and maritime studies in science, engineering, and business. The university is also the home of the Texas A&M Maritime Academy. Within this context, the Marine Engineering Technology (MARR) program produces graduates who are prepared to perform engineering work in the maritime sector onboard a vessel or marine-related shore-based industries involving the design, production, operation, maintenance, and management of engineering and power generation systems and projects. The program is available in a License Option version for students who want to serve as an engineering officer aboard seagoing vessels and in a Non-License Option for students who want an education in maritime-related applied engineering but do not plan to serve at sea as a licensed officer aboard a vessel.

Opportunities for such work abound in the vicinity of the campus, which is located just south of the fourth largest metropolis in the United States. The Houston/Galveston area has extensive port facilities, considerable commercial, recreational, and military ship traffic, and offshore and onshore infrastructure associated with the oil industry. Career opportunities of various kinds are therefore available for these graduates who are ideally suited for working on ships, at port facilities, and at shore facilities, particularly in power generation, distribution, and associated auxiliary support systems.

Our goal is to produce graduates with a strong background in engineering fundamentals, mathematics, and analytical methods, which is reinforced by practical machine shop, welding, and laboratory experiences (including several on the training ship). The curriculum builds on a foundation of basic engineering topics such as fluid mechanics, thermodynamics, electricity, drafting, and materials science to develop inter-disciplinary skills required for the practice of marine engineering. In particular, the program's educational objectives are to produce graduates who can plan, design, construct, operate, and maintain systems used in marine, offshore and onshore power systems such as propulsion, electrical power generation and distribution, refrigeration, and potable water production and sterilization. Graduates also support the maritime sector (the Navy and Coast Guard), companies operating sea-going vessels, the offshore oil and gas industry; and, are well-prepared to engage in lifelong education, professional development, and continuous improvement.

## Faculty

Coleman, Gerard T, Associate Professor of the Practice  
Marine Engineering Technology  
MS, The George Washington University, 1996

Kane, Matthew H, Instructional Associate Professor  
Marine Engineering Technology  
PHD, Georgia Institute of Technology, 2007

Khan, Irfan Ahmad, Instructional Assistant Professor  
Marine Engineering Technology  
PHD, Carnegie Mellon University, 2018

King, George, Lecturer  
Marine Engineering Technology  
BS, Texas A&M University, 1975

Korn, Milton O, Professor of the Practice  
Marine Engineering Technology  
MS, Polytechnic Institute of New York, 1990

McQueen, Vanicha Ruth Favors, Assistant Professor Of The Practice  
Marine Engineering Technology  
BS, US Merchant Marine Academy, 1988

Moore Andrew, Lecturer  
Marine Engineering Technology  
MS, Texas Tech University, 2018

Nyakit, Luke O, Instructional Assistant Professor  
Marine Engineering Technology  
PHD, Texas Tech University, 2008

Pedersen, Frank A, Assistant Professor of the Practice  
Marine Engineering Technology  
BS, Arendal Maritime College, 1986

Potier, Paul A, Professor of the Practice  
Marine Engineering Technology  
PHD, Prairie View A&M University, 2012

Verma, Alok, Professor  
Marine Engineering Technology  
PHD, Old Dominion University, 2005

## Majors

- Bachelor of Science in Marine Engineering Technology, License Option (<http://catalog.tamu.edu/undergraduate/galveston/marine-engineering-technology/marine-engineering-technology-bs-license-option/>)
- Bachelor of Science in Marine Engineering Technology, Non-License Option (<http://catalog.tamu.edu/undergraduate/galveston/marine-engineering-technology/bs/>)