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 marine sector or marine-related shore-based industries involving the design, production, operation, maintenance, and management of engineering 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.

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 concomitant 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 and facilities power systems such as propulsion, electrical power generation and distribution, refrigeration, and air conditioning. 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

Carroll, Matthew C, Instructional Assistant Professor
Marine Engineering Technology
PHD, University of Illinois at Urbana-Champaign, 1986

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

Fielder, Larry R, Lecturer
Marine Engineering Technology
MEN, University of Houston, 1985

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

Khan, Irfan Ahmad, Assistant Professor Of The Practice
Marine Engineering Technology
PHD, Carnegie Mellon University, 2018

Korn, Milton O, Professor of the Practice
Marine Engineering Technology
CERT, United States Coast Guard, 2018

Martinez, Rudy D, Instructional Assistant Professor
Marine Engineering Technology
PHD, University of South Carolina, 2004

McQueen, Vanicha Ruth Favors, Assistant Professor Of The Practice
Marine Engineering Technology
AS, Santa Fe Community College, 2002

Moore Andrew, Lecturer
Marine Engineering Technology
BS, Texas A&M University at Galveston, 2014

Nyakiti, Luke O, 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

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 (http://catalog.tamu.edu/undergraduate/galveston/marine-engineering-technology/bs), Non-License Option
- Bachelor of Science in Marine Engineering Technology and Master of Maritime Administration and Logistics, 5-Year Degree Program (http://catalog.tamu.edu/undergraduate/galveston/marine-engineering-technology/marine-engineering-technology-bs-maritime-administration-logistics-mml)