

Graduate Studies



TEXAS A&M
UNIVERSITY

GALVESTON

The Ocean is our Classroom.



Graduate students at Texas A&M University at Galveston are not just part of the Aggie family, they are our future. Our graduate students are changing the world with the research they do in labs across our campus every day. Our dedicated faculty, unique location, and outstanding resources make Texas A&M University at Galveston a premier ocean-oriented research and educational environment for students. The campus culture at Texas A&M University at Galveston is strongly influenced by its small size, allowing students a private school feel with the benefit of being part of a tier one research institution.

Research at Texas A&M Galveston takes students and faculty to all corners of the globe, from the Arctic Circle to New Zealand, and Israel to Alaska. Our faculty and students are committed to making advances in marine and maritime research, focusing on problem solving and discovery as they create a better world for us all. As Texas A&M University at Galveston advances into the future, we hope you'll join us, support us, and become one of us.

*Patrick Louchouart, Ph.D.
Vice President and Chief Academic Officer*

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Welcome to Texas A&M University at Galveston, a branch campus of Texas A&M University, offering marine and maritime studies degrees in Engineering, Liberal Arts, Biological and Physical Sciences, and Business and Transportation.

The University currently offers three Master's programs: Marine Resources Management, Marine Biology and Maritime Administration and Logistics; and one Doctoral program: Marine Biology. With total campus enrollment approaching 2,100 students, and graduate students numbering nearly 200, Texas A&M University at Galveston's 130-acre Mitchell Campus is teeming with activity.

Texas A&M University at Galveston was designated a special purpose institution in 1971 in part to fulfill the Sea Grant mission of Texas A&M University, a tier one research institution. Texas A&M University at Galveston is committed to its mission of

education, research and public service in the general field of marine resources. With its proximity to the Gulf of Mexico and Galveston Bay, Texas A&M University at Galveston offers students and faculty unique academic and research opportunities unavailable elsewhere.

Texas A&M University at Galveston welcomes students of all races and national origin to become a part of the Texas A&M University at Galveston community. To begin exploring our graduate programs and get information about student life at Texas A&M University at Galveston, please visit www.tamug.edu/grad.

Texas A&M University at Galveston is located in historic Galveston, TX on the central Texas coast. With its mild, semi-tropical weather year round, Galveston Island's nearly 48,000 residents enjoy an abundance of outdoor activities throughout the year. Galveston Island boasts 32 miles of beautiful Texas beaches, of which 10.4 miles is protected by the sea wall, built after the Great Storm of 1900 to shield the Island. With its close proximity to Houston—it's just 50 miles from the city's center, students at Texas A&M University at Galveston have access not only to historic Galveston Island, but also the fourth largest U.S. city, Houston. Galveston Island, TX offers a close-knit, small town atmosphere with all the amenities of a major metropolitan area.

There are many sights to see on Galveston Island all year round. From vibrant downtown Galveston all the way to Seawall Blvd., Galveston Island has many great attractions to offer. Moody Gardens, Schlitterbahn Waterpark, 1877 Tall Ship ELISSA, the OCEAN STAR Offshore Drilling Rig and Museum, and The Grand 1894 Opera House are some of the many attractions located on Galveston Island. The Strand is the location of many well-known Galveston events, including the two largest: Dickens on the Strand and Mardi Gras! Galveston. Galveston also has several other island events, including Art Walk, the Historical Homes Tour,

Oktoberfest, Galveston Island Beach Revue, July 4th fireworks, Yaga's Wild Game Cook-off and Lone Star Rally to name a few.

Galveston Island has many housing options for students, with average one-to two-bedroom apartments ranging from \$500-\$800. With many living, dining and entertainment options, Galveston Island is a wonderful place to live. Galveston Independent School District serves the nearly 6,500 students on Galveston Island and Bolivar Peninsula with five elementary schools, four middle schools, two high schools and an early childhood learning center. With a rich cultural history and first-rate amenities, Galveston has something for everyone.

Did You Know?

- Houston's many attractions and events are only 1 hour from the Island
- Bryan/College Station, home of Texas A&M University, is 2.5 hours drive
- Bolivar Peninsula is accessible from Galveston Island by the Galveston Island Ferry

Dr. Joan P. Mileski is a tenured Associate Professor in Maritime Administration and of Marine Science and the Interim Head of the Maritime Administration Department at Texas A&M University at Galveston (TAMUG). She holds a PhD in International Management Studies from the University of Texas at Dallas, a M.S. in Taxation from Pace University and B.B.A in Accounting from the University of Notre Dame. She has vast tourist and hotel industry experience with Hyatt and Westin Hotels as the Director of Taxation. She has also been a Certified Public Accountant for 34 years. She has been awarded several grants including from the U.S. and Texas Department of Transportation, has teaching and international research awards, and publishes in Marine Policy, The International Journal of Public Administration, and Corporate Governance: The International Journal of Business in Society and presents with the Academy of International Business, the Academy of Management, the Strategic Management Society. Her research activities currently include the impact of national and supranational (EU, NAFTA) regulation change on the Maritime Industry firms' competitive strategy including maritime security regulations and on the importance of transportation infrastructure on investment flow into a location. She is a Fulbright research scholar alumnae, an annual visiting Professor at the World Maritime University and the current President of the Women in the Academy of International Business.



Research at TAMUG

Faculty, post-doctoral fellows, research staff and students are actively involved in research projects throughout the world. Research is conducted under the direction of more than 42 faculty members with funding from federal, state, private and university sources including:

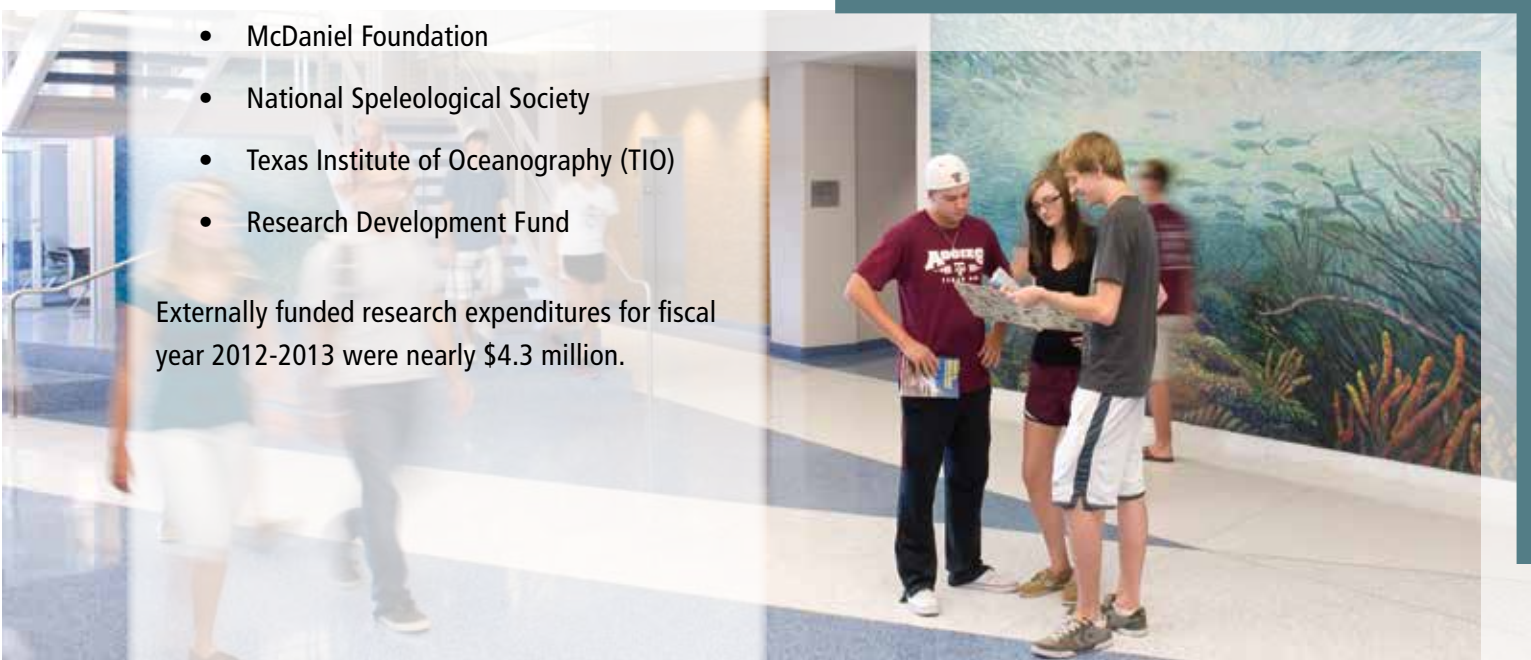
- National Science Foundation (NSF)
- National Oceanic and Atmospheric Administration (NOAA)
- Department of the Interior
- National Aeronautics and Space Administration (NASA)
- Minerals Management Service
- Department of Energy (DOE)
- Texas Commission on Environmental Quality (TCEQ)
- Texas General Land Office (TGLO)
- Texas Water Development Board
- Texas Department of State Health Services
- Welch Foundation
- National Geographic Society
- John P. McGovern Foundation
- CONACYT
- McDaniel Foundation
- National Speleological Society
- Texas Institute of Oceanography (TIO)
- Research Development Fund

Externally funded research expenditures for fiscal year 2012-2013 were nearly \$4.3 million.



The Aggie Experience

Students at Texas A&M University at Galveston are Aggies too. Our graduates receive their degrees from Texas A&M University, and are eligible to receive the Aggie ring on Ring Day as well. Upon graduation, students from Texas A&M Galveston become part of The Association of Former Students at Texas A&M University and the Aggie Network, linking them to all alumni of both Texas A&M University and Texas A&M University at Galveston. Sea Aggies participate in many Texas A&M traditions as well, including Silver Taps, Yell Practice, Big Event, Elephant Walk, and Muster. WHOOP!



Texas A&M University at Galveston is home to over 35 centers, specialized laboratories and research groups dedicated to conducting and promoting marine, maritime and interdisciplinary research.

The Center for Texas Beaches and Shores (CTBS)

This multidisciplinary research center is dedicated to the conservation and protection of the Texas shoreline, bays and waterways through research in cooperation with government and private sector agencies.

Laboratory for Oceanographic and Environmental Research (LOER)

The primary mission of LOER is to provide state of the art common access analytical facilities and support for coordinated interdisciplinary research efforts at Texas A&M University at Galveston in ecological, environmental, and biogeochemical studies.

Seafood Safety Laboratory (SSL)

The Seafood Safety Lab is a biosafety level 2 micro-biological lab working with bacteria found in shellfish, seawater, and non-potable water.

Phytoplankton Dynamics Laboratory

Phytoplankton form the basis of all research conducted by the phytoplankton dynamics laboratory, whether in the laboratory or the field. Projects are diverse; from examining trace elemental-phytoplankton interactions at the cellular level to mapping phytoplankton responses to changes in freshwater inflows in important

Texas estuaries and the Gulf of Mexico on large spatial and temporal scales, to their transport around the globe in ballast water.

Coastal and Wetlands Ecology Laboratory

In the Coastal and Wetlands Ecology Laboratory, scientists examine the community-level interactions and processes that structure coastal ecosystems such as salt marshes, tidal mudflats, seagrass beds, and tidal freshwater wetlands. They are particularly interested in changes in trophic interactions following habitat restoration, nutrient enrichment, or other anthropogenic alterations.



Institute for Sustainable Coastal Communities (ISCC)

A joint initiative between the College of Architecture at Texas A&M University (TAMU) and Texas A&M University at Galveston (TAMUG), the Institute acts as a living laboratory, attracting research activities of multiple centers on Texas A&M campuses in College Station and Galveston.

Increasing population growth and development in coastal areas worldwide is affecting both ecological systems and human communities. Understanding how to develop sustainable and resilient coastal communities over the long term has become a critical issue. The ISCC is committed to addressing coastal development problems and helping provide sustainable state-wide and eventually worldwide solutions. The Institute generates solutions to protect property, human lives, and critical natural resources.



There are many events and activities available to students at Texas A&M University at Galveston.

Some examples of events for graduate students;

New Graduate Student Orientation

Held the week before classes begin each fall semester, the New Graduate Student Orientation introduces new students to academic life as a graduate student at Texas A&M University at Galveston. A campus resource fair and boater and lab safety training courses are offered during orientation for new students.

Graduate Student Workshops

These workshops, hosted by the Research and Graduate Studies Office, are offered three times per regular semester and highlight a variety of resources and activities available to Galveston graduate students.

Galveston Graduate Student Association (GGSA)

This group serves as the collective voice of all Galveston graduate students. They elect officers each year and host fundraising and social activities for the graduate students in residence at Galveston. Open to



all TAMU and TAMUG students at Texas A&M University at Galveston.

Office of Graduate and Professional Studies and Thesis Office Workshops

Once each semester, the TAMU Office of Graduate and Professional Studies (OGAPS) and the Thesis Office hosts workshops for current students. As students near completion of their thesis/dissertation, pre-submittal conferences are held during the afternoon. Students can speak directly with OGAPS and Thesis Office representatives.

Graduate Student Mixers

This is a great way to meet graduate students from other departments or programs, relax, eat, and talk. These social events generally coincide with evening GGSA meetings.

Samuel D. Brody is a Professor and holder of the George P. Mitchell '40 Chair in Sustainable Coasts in the Departments of Marine Sciences and Landscape Architecture and Urban Planning at Texas A&M University. He is the Director of the Institute for Sustainable Coastal Communities and the Center for Texas Beaches and Shores. Dr. Brody is also a faculty fellow at the Rice University Severe Storm Prediction Education and Evacuation from Disasters Center, the Texas A&M University Hazard Reduction and Recovery Center, and the Texas A&M University Institute for Science, Technology, and Public Policy.

His research focuses on coastal environmental planning, spatial analysis, environmental dispute resolution, climate change policy, and natural hazards mitigation. Dr. Brody teaches graduate courses in environmental planning, sustainable development, and dispute resolution. He has also worked in both the public and private sectors to help local coastal communities to draft land use and environmental plans. For more information, please visit <http://www.tamug.edu/ISCC> or www.tamug.edu/ctbs.



MMRM: Master of Marine Resources Management

In 2002, the Master of Marine Resources Management (MMRM) degree became the first graduate level degree to be approved by the Texas Higher Education Coordinating Board to be offered at the Texas A&M University at Galveston campus. The Marine Resources Management program provides students with a broad understanding of coastal and ocean policy and management. This degree program views marine natural resources management and policy development from both an ecological and policy perspective. The degree may be viewed as comparable to an MBA as an alternative degree for people working in marine/ocean/coastal organizations. In addition, the degree program may address the needs of some public school science teachers seeking a degree outside the field of education.

Who Should Apply?

This program is designed for both continuing students and professionals engaged in management of our ocean and coastal resources. Both thesis and non-thesis options are available in this degree, with courses in economics, policy, law and management well as physical, biological, and information science—all focused on our coasts and oceans. The demand for graduates in industry, government, academia and non-governmental

organizations has never been stronger. Federal agencies employing graduates include the U.S. Coast Guard, the U.S. Army Corps of Engineers, and the Environmental Protection Agency. State agencies include the Texas General Land Office and the Texas Commission on Environmental Quality. Industries employing graduates include oil and natural gas, environmental consulting companies, ports, and tourism. These organizations have identified the need for a degree which focuses on national and international ocean resource law and policy; coastal zone management; physical and geochemical marine resources management strategies; and fisheries management.

Program Details

The Marine Resources Management program is a 36 hour degree. Twenty-four hours of required courses constitute the core of the non-thesis program. Twelve additional hours are taken by students as electives according to their particular professional interests. Students who opt to write a thesis will fulfill the requirement by taking twenty-two hours of the core curriculum (MARS 680 is not used) and taking an additional 14 hours of electives six of which may be used toward original research for the thesis option degree. For more information, please consult the Texas A&M University at Galveston catalog at <http://www.tamug.edu/catalog>.



Dr. Patrick Louchouart is a professor in environmental geochemistry with more than 25-years experience as a teacher, researcher and leader. He has published extensively in the field of environmental chemistry and biogeochemistry and incorporates this research into inquiry-based educational models which question how people learn and make decisions on environmental issues.

Currently, Dr. Louchouart is a Professor of Marine Sciences at Texas A&M University at Galveston with a joint appointment in the Department of Oceanography at Texas A&M University. He became the head of the Department of Marine Sciences (2010) and Vice-President and Chief Academic Officer (2012). He also serves as Vice President for Academic Affairs (TAMUG) and Associate Provost (TAMU).

Prior to joining TAMUG, Dr. Louchouart was a faculty member at Columbia University where he held a joint appointment in the Department of Earth and Environmental Sciences and the School of International and Public Affairs. His post-doctoral training was conducted at the University of Texas-

Marine Science Institute where he worked on dissolved organic matter cycling in the Arctic Ocean. He then held an Associate Research Scientist position at the Texas Engineering Experiment Station (Texas A&M) until the fall of 2000 when he became Assistant Professor of environmental science at Texas A&M University – Corpus Christi.

He received his undergraduate degree in Marine Biology, with Great Distinction – University Scholar, from McGill University (Montreal). He then received his Master's in 1992 and Ph.D. in 1997 from the Université du Québec à Montréal in Environmental Sciences (geochemistry). His graduate research focused on understanding the cycling of trace metals (mercury) and terrestrial organic matter in freshwater and marine ecosystems. He received a number of highly competitive awards during his graduate and post-graduate programs including the Eco-Research scholarship from the Canadian Ministry of the Environment, a Ph.D. scholarship from the Canadian Natural Science and Engineering Research Council, and a post-doctoral NSERC scholarship. His passion for and dedication to teaching was recognized in 2010 through the Distinguished Achievement Award for Teaching from the Texas A&M University Association of Former Students.



Prerequisites

Students applying to the Marine Resources Management program should have a broad base science and economics background with course work in the following areas: biology, chemistry, physics, advanced mathematics, geology, oceanography and economics.

Curricula

Core Courses (24 Hours)

COURSE	COURSE TITLE	CREDITS
MARS 625	GIS Based Modeling for Coastal Resources	2
MARS 615	Physical and Geochemical Marine Resources	3
MARS 635	Environmental Impact Statements and NRDA	3
MARS 676	Environmental Policy	3
MARA 604	Marine Natural Resource Economics	3
MARB 620	Marine Biological Resources	3
MARS 675	Environmental Management Strategies for Scientists	2
MARS 680	Integrative Analysis in Marine Resources*	2
MARS 652	Sustainable Management of Coastal Margins	3
Suggested Electives (12-14 hours required)*		
MARS 602	Environmental Economics and Oceanography	3
MARS 610	Environmental Law	3
MARS 620	International Environmental Business Transactions	3
MARS 638	Avian Diversity and Habitats as Coastal Resources	3
MARS 640	Environmental Administrative Law	3
MARS 645	Wildlife Law and Ethics	3
MARS 650	Geochemical Marine Resources Management	3
MARS 655	Wetlands Management	4
MARS 660	Environmental Alternative Dispute Resolution	3

MARS 670	Eco-Environmental Modeling	3
MARS 681	Seminar in Marine Sciences	1
MARS 684	Internship in Marine Resources Management	1-9
MARS 685	Directed Studies	1-6
MARS 689	Special Topics in Marine Resources Management	1-3
GEOG 666	Coastal Geomorphology**	3
OCNG 620	Biological Oceanography**	3
OCNG 627	Ecology of the Continental Shelf**	3
OCNG 630	Geological Oceanography**	3
OCNG 647	Chemical Contamination of the Marine Environment**	3
WFSC 628	Wetlands Ecology**	3
WFSC 640	Human Dimensions of Wildlife and Fisheries Management**	3
Thesis Option *		
MARS 691	Research in Marine Science	6

*The 36 hour thesis option is structured with 22 hours of required courses. MARS 680 is not taken. In addition, 14 hours of elective courses will be taken, 6 hours of which may be research hours (691).

**Courses offered by Texas A&M University. Please refer to the respective academic department for complete course descriptions. In general, these courses are offered by distance education for students based in Galveston.

Required Application Credentials:

- Apply Texas Application
- Essay
- Transcripts
- Official GRE score; less than 5 years old
- Three letters of recommendation, either academic or professional
- Undergraduate GPA of 3.0 or above
- Professional résumé

Send to: Graduate Studies, P.O. Box 1675,
Galveston, TX 77553

Contact gradstudies@tamug.edu or visit
www.tamug.edu/grad for more information.

MARB IDP: Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) in Marine Biology

The Interdisciplinary Graduate Program in Marine Biology (MARB IDP) was approved by the Texas Higher Education Coordinating Board in July 2008. The interdisciplinary program spans 3 campuses of the Texas A&M University System and 6 Departments. The host department of the program is the Department of Marine Biology on the Texas A&M University at Galveston (TAMUG) campus. The Department of Marine Sciences also participates on the TAMUG campus. On the Texas A&M University campus (TAMU), the Departments of Oceanography, Wildlife & Fisheries Science and Biology participate in the program. The Department of Life Sciences is located on the Texas A&M University - Corpus Christi campus (TAMU-CC).

Who Should Apply?

The MARB IDP is designed for students who wish to pursue careers in education, government, or private industry. The principal strengths of the marine biology interdisciplinary program lie in the international recognition, scholarly productivity, and sponsored research funding of its diverse faculty, as well as the strategic location of two of the campuses on the Gulf of Mexico. Typical careers for marine biology graduates include postdoctoral or faculty positions in academia, research and development positions in the private and public sector, government professionals, and industrial professionals.

Program Details

The MARB IDP offers a master’s thesis degree and master’s non-thesis degree and a doctoral degree. The thesis option is intended for students planning to continue with their graduate education at the doctoral level and subsequently enter university-level teaching and research programs, or those seeking governmental service in a resource management capacity. The Ph.D.

degree is intended for students who are interested in teaching and conducting independent research in academia, government or industry, or overseeing such research. Students may enter the Ph.D. program directly after the completion of undergraduate B.S. degree if they have sufficient preparation, or may enter with a M.S. degree in biology or a related discipline.

Prerequisites

In addition to a good grade point average and GRE test scores, an applicant for the MARB IDP program should have a solid biology, chemistry and math/statistics course background. This should include courses in general biology, vertebrates, cell biology, invertebrates, genetics, general chemistry and organic chemistry as well as calculus and statistics.

Curricula

	Credit Hours Required for Master of Science Degree	
	Thesis	Non-thesis
Courses	22	34
Seminar	2	2
Research hours	8	0
Total	32	36

	Credit Hours Required for Doctor of Philosophy Degree	
	With M.S.	Without M.S.
Courses	17-23	39-55
Seminar	2	2
Research hours	39-45	39-55
Total	64	96

Students can take courses from the 6 participating departments on, Galveston, College Station, and Corpus Christi campuses. Since MARB IDP students build their degree plan in conjunction with their faculty advisor and committee, there are no set curricula required except what is listed above in the tables.



Typical Courses Offered

COURSE	COURSE TITLE
MARB 603	Cetacean Behavior and Ecology
MARB 606	Advanced Concepts in Marine Population Biology
MARB 610	Professional Development
MARB 616	Introduction to Scientific Diving
MARB 617	Research Diving Methods
MARB 620	Marine Biological Resources
MARB 640	Ecosystem Functions in Marine Environment
MARB 654	Coastal Plant Ecology
MARB 656	Tropical Marine Ecology
MARB 668	Marine Evolutionary Biology
MARB 681	Seminar in Marine Biology
MARS 625	GIS Based Modeling for Coastal Resources
OCNG 608	Physical Oceanography*
OCNG 620	Biological Oceanography*
WFSC 604	Ecological Modeling*
WFSC 613	Animal Ecology*
WFSC 622	Behavioral Ecology*
WFSC 632	Ethology*

*Courses offered by Texas A&M University. Please refer to the respective academic department for complete course descriptions. In general, these courses are offered by distance education for students based in Galveston.

As part of the agreement between the schools, each campus will offer two distance courses each semester for the benefit of the students on the other campuses. For more information about program requirements or course descriptions, please visit the TAMUG catalog at <http://www.tamug.edu/catalog>.



Required Application Credentials:

- ApplyTexas application
- Essay
- Transcripts
- Identifying a faculty member who has agreed to be a Graduate Advisor/Chair.
- Three letters of recommendation, either academic or professional. Letters should be addressed to the Graduate Recruitment and Advisement Committee.
- Official GRE scores, less than 5 years old.
- Professional résumé

It is the applicant's responsibility to make sure that the application is complete by the deadline to assure full consideration. Acceptance into the MARB IDP is competitive and based on consideration of all application materials. Applicants accepted into the program typically demonstrate an ability to succeed in an academically rigorous environment through high GPA and GRE scores. Relevant life experiences may also provide a substantial basis for consideration. A campus visit with personal interviews involving prospective faculty advisors is highly recommended.

**Send to: Graduate Studies, P.O. Box 1675,
Galveston, TX 77553**

Contact gradstudies@tamug.edu for more information.

MMAL: Master of Maritime Administration and Logistics

Approved in May of 2011, the Masters in Maritime Administration and Logistics (MMAL) degree is the newest graduate degree to be offered by Texas A&M University at Galveston. The curriculum prepares professionals for leadership positions in maritime transport and logistics in both the public and private sectors. The program builds on the highly successful undergraduate program in Maritime Administration.

Who Should Apply?

This Maritime Administration and Logistics program is designed for individual professionals in such fields as port management, supply chain management, and/or public policy as it relates to marine transport and the coastal zone, inland waterways, coastal shipping and international trade and financial transactions. The curriculum has significant components in economics, finance, business analysis and management.

Program Details

The Maritime Administration and Logistics program is a 36 hour degree. Twenty-one required hours constitute the core of the program. Fifteen additional hours are taken by students as electives according

to their particular professional interests, in a thesis or non-thesis format. The Maritime Policy and Law track is designed for those seeking to enter public service and focuses on environmental stewardship in the public and private sectors. The Shipping and Port Management track is intended for those more interested in the commercial side of the maritime industry. Students may also choose five electives that are not structurally part of either two tracks if they prefer. Students who opt to write a thesis will fulfill the requirement by using six of the fifteen elective credits toward original research for the thesis option degree. For more information, please consult the Texas A&M University at Galveston catalog at <http://www.tamug.edu/catalog>.

Prerequisites

Students are assumed to be familiar with the basic accounting, finance, intermediate statistics, microeconomics and essential elements of the management process. The concepts in these courses are central to the courses that compose the Maritime Administration and Logistics graduate program. These courses are common to many curricula and are found on most 4-year campuses. If students enrolling in the graduate program are not familiar with the contents of these courses, they can consult the undergraduate curricula in Maritime Administration at <http://www.tamug.edu/catalog>.



Curricula

CORE COURSES: 7 courses (21 credits) to establish a foundation in the management of maritime enterprise

COURSE	COURSE TITLE	CREDITS
MARA 610	International Strategic Planning and Implementation	3
MARA 623	Economic Issues in Shipping	3
MARA 641	Financial Management in Marine Transportation	3
MARA 627	Marketing of Transportation Services	3
MARA 624	Intermodal Transportation Operations	3
MARA 636	Managerial Decision Making	3
MARA 664	Production, Operations and Logistics Management	3
SHIPPING AND PORT MANAGEMENT MODULE (15 HOURS)		
MARA 650	Distribution Logistics	3
MARA 652	Marine Transportation System Design and Policy	3
MARA 640	Global Logistics	3
MARA 616	Management of Port Facilities and Infrastructure	3
MARA 658	Port Design, Planning and Security	3
MARA 660	Risk Assessment and Marine Insurance	3
MARITIME POLICY AND LAW MODULE (15 HOURS)		
MARA 670	Coastal and Inland Waterways Transportation – Policy, Strategy and Management	3
MARA 672	The Maritime Global Trading System	3
MARA 604	Marine Natural Resource Economics	3
MARS 620	International Environment Business Transactions	3
MARS 635	Environmental Impact Statements and NRDA	3
MARS 640	Environmental Administrative Law	3
MARS 660	Environmental Alternative Dispute Resolution	3
MARS 676	Environmental Policy	3

THESIS OPTION :
RESEARCH HOURS IN PLACE OF 6 HOURS OF ELECTIVES

MARA 691 Research in Maritime Administration 6

Required Application Credentials:

- ApplyTexas application
- Essay
- Transcripts
- Official GMAT score; less than 5 years old
- Two letters of recommendation, either academic or professional
- Professional résumé.

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Contact gradstudies@tamug.edu for more information.



How much does graduate school cost?

Educational expenses will vary according to your personal needs and chosen course of study with Texas A&M University at Galveston. The Financial Aid Office's basic budget for the 2013-2014 school year for new graduate students including tuition and fees, books, supplies, transportation, room and board, incidental and living expenses totals about \$17,500 for nine months of study. Expenses for returning students during an academic year should be slightly less than those for new students. The cost for new nonresidential and international students is about \$24,000.

	Resident	Non-Resident
Tuition & Fees*	\$ 5,967	\$ 12,167
Loan Fees	\$ 133	\$ 133
Room & Board	\$ 8,008	\$ 8,008
Books & Supplies	\$ 672	\$ 672
Travel	\$ 550	\$ 1,100
Misc	\$ 2,225	\$ 2,225
TOTAL	\$ 17,555	\$ 24,305

Tuition and Fees: The average cost of tuition and fees for a typical student based on enrolling for 18 hours per year, based on 9 hours per semester of graduate course work. The actual costs that a student incurs will vary depending on the student's degree program.

Room and Board: A reasonable estimate of what it would cost to live in Galveston while attending school. Actual costs may vary by individual choices related to location and circumstances. Typically includes rent, food, snacks, household supplies and utilities.

Books and Supplies: The average cost of books and supplies for a typical student for an entire academic year. Typically includes books, educational supplies, course materials, and computer-related expenses excluding the purchase of a personal computer.

Transportation: Represents travel to and from parent's residence and transportation costs to and from class and work (e.g., bus fare, gasoline, tolls, parking).

Personal Expenses and Miscellaneous: Estimate of costs for clothing, haircuts, entertainment and other miscellaneous expenses. What you actually spend on these types of items may be higher or lower depending on your own lifestyle.

*The tuition and fee amounts provided above represent the most accurate figures available at the time of publication and are subject to change. For the latest detailed tuition and fee information, please refer to <http://www.tamug.edu/catalog>.



Assistantships, Scholarships and Financial Aid

Several financing options exist for graduate students at Texas A&M University at Galveston. Most of our graduate students are currently taking advantage of these sources of funding.

Graduate Assistantships

There are two different types of graduate assistantships available to graduate students at Texas A&M University at Galveston. These assistantships will either be for engaging in research or teaching activities at Texas A&M University at Galveston. Most of these positions require service of 20 hours per week and enrollment as a full time student at Texas A&M University at Galveston. * Students serving in these roles are eligible for insurance benefits and may pay tuition and fees at the in-state rate. All competitive, TAMUG awarded scholarships of \$1,000 or greater per academic year also allow students to pay tuition at the in-state rate. Doctoral students serving in graduate assistantship positions may also have their tuition charges paid on their behalf.

Individual graduate students often receive financial support from multiple sources. Applications for assistantships are made via the academic department and any inquiries should be directed toward the department of interest.

* Full time enrollment as a graduate student at Texas A&M University at Galveston is defined as 9 hours for the Fall/Spring and 6 hours for the Summer.

Scholarships and Financial Aid

Texas A&M University at Galveston graduate students also have access to scholarships, grants and financial aid for their school expenses, travel expenses, and other related expenses.

A student's financial aid eligibility is determined each year by their completed FAFSA application. For further information regarding financial aid and the FAFSA application, please contact the Financial Aid Office at Texas A&M University at Galveston.

Some scholarship and grant opportunities, contingent upon continued funding, are as follows:

MARB IDP Development Award

This competitive graduate assistantship program is intended to provide funding for incoming doctoral students pursuing a course of study with the Marine Biology Interdisciplinary program at the Texas A&M University at Galveston campus.

Erma Lee and Luke Mooney Graduate Research Travel Grant

These travel grants are awarded to current Texas A&M University at Galveston graduate students to assist with research or travel expenses related to their course of study. Applications are accepted twice a year, fall and spring. Students cannot be awarded the Erma Lee and Luke Mooney Graduate Research Travel Grant in consecutive years.

Erma Lee and Luke Mooney Graduate Research Excellence Award

This prestigious award is given to two students, one at the Master's level and one at the Doctoral level, at the conclusion of their thesis or dissertation for excellence in marine-related research. Students will be nominated by their faculty advisor for this award.

Galveston Graduate Student Association (GGSA) Mini-Grants

Students will apply directly to the Galveston Graduate Student Association (GGSA) for these travel awards. These monies are intended to supplement travel and research support for current Galveston graduate students.

Galveston Graduate Student Association (GGSA) Micro-Grants

Micro-grants are small (\$100 or less) awards intended to provide supplies for Galveston graduate students. Many will use the grants for textbooks, business cards, or other research supplies.

Marine Biology Department Mini-Grants

These grants are given by the Marine Biology department, contingent upon available funding, to support graduate student research and travel.

SEASPACE, Inc. Scholarship

These \$2,000 scholarships are given annually to TAMUG graduate students who demonstrate their support and compliance with the mission of SEASPACE, Inc., "...to educate the public in diving skills, dive safety, marine life, underwater photography, marine environments, and to expose the public to marine travel destinations."

Graduate Admissions Process

All applications for admission to Texas A&M University at Galveston graduate programs should be submitted through <http://www.ApplyTexas.org>. All additional admissions materials should be submitted to the Office of Admissions and Records at Texas A&M University at Galveston. The decision to admit an applicant to a program of study leading to a graduate degree is the shared responsibility of the program's admission committee, academic department and/or intercollegiate faculty (where applicable) and Texas A&M University at Galveston.

Required Admissions Credentials

1. Completed graduate application
2. Application fee of \$50 for U.S. citizens and permanent residents or \$90 for international applicants.
3. Official transcripts from every senior-level institution of higher education attended. *
4. Official English translation of all transcripts in other languages. *
5. Official GRE or GMAT scores from ETS taken within five years of the date the application was received. **
6. Official TOEFL scores, if necessary, taken within the last two years. ***

* In some foreign countries, the controller of examinations or principal may certify academic records. Transcripts or mark sheets (consolidated mark sheets are not considered official) certified by the U.S. Embassy or other recognized agencies will be accepted. Official English translations, not interpretations, are required from most countries.

** Tests should be taken at least eight weeks prior to the appropriate application deadline to ensure timely receipt and processing of results. We will use your highest test score from one test date. Make sure to check with your program to verify which entrance exam is required (GRE or GMAT).



*** Proof of English proficiency is required for all students whose native language is not English. This can be satisfied by a minimum TOEFL score of 550 for paper-based testing (p-BT), 213 computer-based testing (c-BT), 80 internet-based testing (i-BT), a minimum IELTS score of 6.0 overall band or by receiving a baccalaureate degree with all four years of attendance at a U.S. college or university.

How do I Apply for Graduate School?

Applying to graduate school requires time, organization, and attention to detail. Make sure that you begin the process early so that you will have ample time to gather any materials that are required to complete your application packet.

Complete the application

Research the exact application requirements for the program and degree you are seeking. The application requirements vary by program and even by degree, make sure you are taking the correct admissions tests and submitting the appropriate supporting documentation.

Letters of Recommendation

You should request letters of recommendation from individuals who are the most familiar with your academic history and potential. If you have been out of school for a number of years, you may submit non-academic references (e.g., employers). Please be aware that TAMUG does not automatically contact the references you may have listed on your ApplyTexas application.

Official Transcripts

Transcripts should be sent from each senior level post-secondary institution attended. An official statement of the award of the degree or diploma is required for each degree completed. To be considered official, all required postsecondary academic records must come directly from the registrar's office and bear the seal and signature of the registrar of the institution.

Required test scores

Arrange for required test scores to be sent directly from the testing service to Texas A&M University at Galveston, the Office of Admissions and Records. Proof of English proficiency (TOEFL or IELTS) is required for applicants whose native language is not English. Check with your program for specific test requirements (GRE or GMAT).

Other documents

Be sure to include all the documents the application requires. Some applications will require prospective students to write a Statement of Purpose. This may be accomplished by completing the Essay portion of the Apply Texas application online at <http://www.ApplyTexas.org>. The essay should describe your background and your reasons for desiring to pursue a graduate education in your field of interest.

Deadlines

Make sure to pay close attention to deadlines for the submission of application materials and comply with them.

Checking your application status

After you have submitted all of your application materials, you may check your application status on the web through the Applicant Information System (AIS) in HOWDY or you may contact the Graduate Studies Office.



Texas Maritime Academy Licensing

Through the Texas Maritime Academy, TAMUG offers license training for Cadets leading to a Third Mates' License (Unlimited Tonnage, Unlimited Oceans). All graduate programs offered by TAMUG also may include this license training. Each of the degree plans will retain all of the curriculum as depicted in the previous pages, as well as the U.S. Coast Guard requirements for licensing which include coursework, training and summer cruises. Each degree candidate will be required to fulfill the existing university degree requirements plus all License Option additional requirements plus the following additional courses to complete STCW Training Record Book:

Shoreside Courses

MART 103	Basic Safety and Lifeboatman
MART 203	Seamanship I
MART 204	Terrestrial Navigation
MART 301	Seamanship II
MART 303	Celestial Navigation
MART 304	Electronic Navigation
MART 305	Construction and Stability
MART 306	RADAR/ARPA
MART 307	Global Marine Distress Safety System
MART 321	Maritime Law I
MART 406	Marine Cargo Operations II
MART 410	Bridge Watchstanding
NVSC 200	Naval Science for the Merchant Marine Officer

Cruise Coursework

MART 200	Basic Communications, Navigation and Seamanship
MART 300	Intermediate Communications, Navigation and Seamanship
MART 400	Advanced Communications, Navigation and Seamanship

Texas Maritime Academy

For more information, contact:
<http://www.tamug.edu/corps>
corpsinfo@tamug.edu

Cadets complete a Training Record Book which includes USCG required Basic Safety Training, Ratings Performing a Navigational Watch, First Aid Provider, and Officer in Charge of a Navigational Watch. Furthermore, the cadets are required to complete mandatory sea service, participate in the USCG approved Corps of Cadets License Option Program, complete a degree, and pass license examination administered by the USCG. Candidates will also have to follow all regulations set forth in 46 CFR 310, STCW 95 as amended, and USCG Texas Maritime Academy approved SOP and any other regulation required by Texas Maritime Academy License Option programs.





Graduate Studies Office

Mailing: P.O. Box 1675 Galveston, TX 77553

Physical: Sea Aggie Center, Suite 300

(409) 740-4479

(409) 740-4754

gradstudies@tamug.edu

<http://www.tamug.edu/grad>

Our office can answer questions and provide additional information about the University, Texas A&M University at Galveston's graduate programs, the graduate application process, campus tours for prospective graduate students, and assistantships and funding opportunities.

Campus Visits

To schedule a campus visit, please email gradstudies@tamug.edu.

Tours will not be offered the weeks of Spring Break, Thanksgiving and Christmas.



TEXAS A&M
UNIVERSITY

GALVESTON

PO Box 1675
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2013–2015