



*TEXAS A&M UNIVERSITY
AT GALVESTON*

THE MARINE & MARITIME CAMPUS
OF TEXAS A&M UNIVERSITY



DRIVING THE

BLUE ECONOMY

TEXAS A&M UNIVERSITY AT GALVESTON

71% — of the world is ocean

90% — of what we eat, wear, use and drive travel on oceans and inland waterways

40% — Coastal areas house nearly 40% of the world's population

80% — Oceans are home to 80% of the planet's biodiversity. Yet oceans remain more than 80% unmapped, unobserved and unexplored



DRIVING THE
BLUE ECONOMY

• The blue economy is the economic, social, political, and ecological vitality of our oceans and surrounding ecosystems.



DRIVING THE
BLUE ECONOMY

A HOLISTIC APPROACH

- Understanding, conserving and protecting our oceans and coastal regions ensures that critical ecosystems remain to support economic activities, livelihoods, and communities.
- Marine and maritime industries are essential to our economic prosperity and national security.
- A global, holistic perspective is required to ensure these areas prosper for decades to come.



DRIVING THE
BLUE ECONOMY

EDUCATION & TRAINING

- 15 Undergraduate, 6 Graduate Programs
- Blue Science, Humanities, Business, Engineering & Transportation
- Complementary Minors
 - Diving, Cybersecurity, Ocean/Coastal Resources
- Degree Programs Translate to Shoreside Industries
- License Option (Undergraduate and Graduate)
 - Maritime Transportation
 - Marine Engineering Technology
 - Maritime Business Administration
 - Marine Biology



DRIVING THE
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Computer Science- BS
Ocean Engineering-BS
Multi-disciplinary Engineering Technology-BS
Interdisciplinary Engineering-BS
Marine Engineering Technology-BS
Marine Transportation-BS
Maritime Business Administration- BS
Maritime Studies-BA
Coastal Environmental Science-BS
Marine Science-BS
Marine Fisheries-BS
Marine Biology-BS
University Studies-BS or BA
 Oceans and One Health
 Tourism & Coastal Community Development



DRIVING THE
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Master of Marine Resources Management
PhD in Marine and Coastal management and Science
MS & PhD Marine Biology
Master of Maritime Business Administration
 Combinable with Juris Doctor
Master of Engineering in Ocean Engineering
MS in Ocean Engineering



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.



• **We are the future of marine and maritime.
We are driving the blue economy.**



DRIVING THE
BLUE ECONOMY



EXCELLENCE

INTEGRITY

LEADERSHIP

LOYALTY

RESPECT

SELFLESS SERVICE



STUDENT SUCCESSES

TEXAS A&M UNIVERSITY AT GALVESTON



Since my first tour of the A&M Galveston campus, I could feel the dedication and commitment of the faculty and staff. I knew that at this school I would not just be another student or face in the crowd, but a valued member of the Aggie community.

Over the years my professors went above and beyond to help me find my interests and prepare me for my future endeavors. For example, when I realized I wanted a career in international affairs, a field that was completely different from the maritime focus of the campus, the faculty created a class to prepare me for grad school.



**Scan to learn more
about Robyn**

ROBYN BATTLES '22
BLUE HUMANITIES





“The Galveston Campus won me over. After my first year here, I just fell in love with the atmosphere. It was easy to get a hold of professors and I liked the smaller size of everything.”

5 YR PROGRAM

OCEANS & ONE HEALTH

5-year undergraduate and graduate program available in partnership with the University of Texas Medical Branch with Master's in Clinical Laboratory Sciences



Scan to
learn more
about Chris

CHRIS PREVOST '21
HOLISTIC EDUCATION



"I came to
[Texas A&M] and all
of a sudden, I had
found my people."



**Scan to
learn more
about Anna**

ANNA DEMOTTE '22
FISHERIES



“Shift your perspective, where there are no boundaries but, in fact, an abundance of information and opportunity.”

— **ANTHONY FEGHALI '22**
MARITIME TRANSPORTATION

• ANTERO AGUILAR '23

MARINE ENGINEERING TECHNOLOGY



"Texas A&M at Galveston is like a second home to me. I've met my closest friends here and it's given me the chance to grow through my leadership positions, hard work and dedication."

CLEAN & RESILIENT ENERGY SYSTEMS LAB

Renewable Energies

- Designing Microgrids for Power Clean Energy
- Compliant Next-Gen Marine Vessels and Aircrafts



**Scan to learn
more about
CARES projects**

Marine Transportation

- Operational Resiliency of Cyber-Physical Systems
- Secured Cyberspace Operations
- Fast Charging Solutions and their Impact on Utility Grids



DRIVING THE
BLUE ECONOMY

PARTNERS

CLEAN & RESILIENT ENERGY SYSTEMS LAB



TEXAS A&M
UNIVERSITY



PRESIDENT'S
EXCELLENCE FUND

PRESIDENTIAL TRANSFORMATIONAL
TEACHING GRANT



TEXAS A&M UNIVERSITY
Institute of Data Science



Texas A&M Engineering
Experiment Station



NATIONAL
ACADEMIES
*Sciences
Engineering
Medicine*



الصندوق القطري لرعاية البحث العلمي
Qatar National Research Fund

Member of Qatar Foundation



DRIVING THE
BLUE ECONOMY

COASTAL RESILIENCY



TEXAS A&M
INSTITUTE FOR A DISASTER
RESILIENT TEXAS



**Scan to
learn
more**



DRIVING THE
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PARTNERS & COLLABORATORS

TEXAS A&M INSTITUTE FOR A DISASTER RESILIENT TEXAS

ACADEMIC ORGANIZATIONS

Texas A&M University
Prairie View A&M University
Jackson State University
Rice University
University of Iowa
University of Texas
University of Washington
VU Amsterdam
University of North Carolina-Chapel Hill
University of Puerto Rico
Vin University
Hanoi University
London School of Economics

PRIVATE

Lawn Chair Consulting
January Advisors
Matter & Form
Microsoft
TelekiConsulting

INTERNATIONAL

Rijkswaterstaat, Netherlands
iStorm Group

NATIONAL

Department of Homeland Security
Federal Emergency Management Agency
Federal Emergency Management Agency,
Region 6
Director, Center for Insurance Policy
and Research
U.S. Army Corps of Engineers

STATE

Texas Division of Emergency Management
Texas Department of Insurance
Texas General Land Office
Texas Water Development Board

LOCAL

Bay Area Houston Economic
Partnership

NON-PROFIT

Houston Wilderness
National Academies of Sciences,
Engineering, and Medicine
National Alliance for Public Safety
GIS
Resilient America
The Association of State Floodplain
Management
The Nature Conservancy
The Water Institute of the Gulf



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INTERACTIVE WEB TOOLS

TEXAS A&M INSTITUTE FOR A DISASTER RESILIENT TEXAS



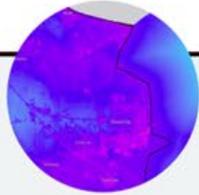
Buyers
Be-Where



Measuring,
Mapping &
Managing Flood
Risk in Texas



Rebuild
Texas



Coastal Bay
Atlas



Cost/Benefit
for Flood
Reduction
Mitigation
Strategies



Texas Historic
Insured Flood
Loss Analysis



Economic
Impacts of
Hurricane Storm
Surge in
Galveston Bay



Learn more about
our Interactive
Web Tools



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FISHERIES

- **Gulf Research Institute for Highly Migratory Species**

Conservation of highly migratory species in Texas and throughout their feeding range in the Gulf of Mexico and the Atlantic Ocean.

- Acoustic and satellite tracking
- Holding and spawning at Sea Life Center
- Gulf-wide assessment of trophic of transfer contaminants



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CLIMATE CHANGE

- **Gulf Center for Sea Turtle Research**

Importance of sea turtles to the ocean's health

- **Meet Slash**

Sea Turtle ecosystem indicators



**Scan to
meet Slash**



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TEXAS A&M UNIVERSITY AT GALVESTON

LEADING ABOVE & BELOW THE WAVES



CAMPUS OVERVIEW

BY THE NUMBERS



2,300 STUDENTS

132 FACULTY

168 STAFF

\$12,382 AVERAGE TUITION



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

CAMPUS OVERVIEW

OF, FOR & BY THE SEA



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

CAMPUS OVERVIEW

GROWTH



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

CAMPUS OVERVIEW

INFRASTRUCTURE



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

CAMPUS OVERVIEW

CAMPUS INFRASTRUCTURE



NSMV

Lone Star State

The 524-foot state-of-the-art ship represents a significant investment by the federal government in supporting the future of the maritime industry and future merchant mariners in Texas.



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

CAMPUS OVERVIEW

CAMPUS INFRASTRUCTURE

Engineering Building (estimated Nov. 2025)

- \$50,992,125
- 50,000 gross sq. ft.
- 3 floors
- Maker space, prototyping and fabrication space, capstone space, classrooms, teaching labs, research space, and student soft learning spaces



LABS & FACILITIES

- Coastal and Wetland Ecologies Lab
- Ecomorphology & Comparative Physiology Lab
- Fisheries Ecology Lab
- Marine Community Ecology Lab
- Marine Invertebrate Lab
- Miglietta Lab
- Phytoplankton Dynamics Lab
- Seafood Safety Lab
- Shark Biology and Fisheries Lab
- Viral Ecology Lab
- Sea Life Facility
- Institute for a Disaster Resilient Texas
- Laboratories for Oceanographic & Environmental Research
- Texas Institute of Oceanography
- Coastal Geospatial Lab
- Gulf Research Institute for Highly Migratory Species
- Gulf Center for Sea Turtle Research
- Bridge Simulator Lab
- T/S Kennedy
- T/S Lone Star State coming in 2025



**Tour the Sea Life Facility
with Katie St. Clair**



**TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.**

ONE UNIVERSITY



TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.

STUDENT LIFE



**TEXAS A&M UNIVERSITY
GALVESTON CAMPUS.**



TEXAS A&M MARITIME ACADEMY

SPECIALIZED MARITIME TRAINING, THE AGGIE WAY



TEXAS A&M MARITIME ACADEMY

AN OVERVIEW



400+

cadets trained annually for maritime service and employment

87%

of graduates employed within 9 months of graduation

\$100K

average starting salary above 6 figures for graduates during their first year employed

\$200K

new salary high points reached for Marine Engineering graduates

1 OF 6
STATE MARITIME
ACADEMIES
IN THE U.S.



TEXAS A&M UNIVERSITY AT GALVESTON
Texas A&M Maritime Academy

LICENSE OPTION

TEXAS A&M MARITIME ACADEMY

DECK PROGRAM

DEGREES

- Marine Transportation
- Marine Sciences
- Marine Biology
- Any Graduate Program

COURSES

- Navigation
- Seamanship

UPON GRADUATION

Third Mate Unlimited Tonnage License, signifying their ability to work on the bridge of any ship as a Third Mate

ENGINE PROGRAM

DEGREE

- Marine Engineering Technology

COURSES

- Naval Architecture
- Marine Applications of Electrical Engineering
- Thermodynamics

UPON GRADUATION

- Third Assistant Engineer Unlimited Horsepower, signifying their ability to work in the engine room of any size ship as a Third Assistant Engineer



TEXAS A&M UNIVERSITY AT GALVESTON

Texas A&M Maritime Academy

LICENSE OPTION

TEXAS A&M MARITIME ACADEMY



TEXAS A&M UNIVERSITY AT GALVESTON
Texas A&M Maritime Academy

PROGRAMS

TEXAS A&M MARITIME ACADEMY

License Option

- All license option cadets complete three sea terms.
- Cadets also have the option to join the Strategic Sealift Midshipman Program (SSMP) and seek a commission in the Naval Reserves upon graduation.

Naval Reserve Officer Training Corps (NROTC)

Drill & Ceremonies (D&C)

- Drill & Ceremonies cadets elect to join the Corps of Cadets.
- Cadets in the Drill & Ceremonies program participate without seeking a Coast Guard license or obligation of military service.
- These cadets may study any non-license option major.



TEXAS A&M UNIVERSITY AT GALVESTON

Texas A&M Maritime Academy

CADET LIFE

TEXAS A&M MARITIME ACADEMY



TEXAS A&M UNIVERSITY AT GALVESTON
Texas A&M Maritime Academy

INDUSTRY OPPORTUNITIES

WHY HIRE AGGIES?

- Anything done in the marine environment is more difficult: operationally, logistically and administratively
- Our graduates are prepared to for the increasing demands of the marine industry

OPPORTUNITIES TO ENGAGE & SUPPORT

- Scholarships
- Student Impact Funds
- Internships
- Mentorship Programs
- Career Fair Participation
- Speaking Opportunities
- On-Site Visits



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INDUSTRY PARTNERSHIPS





PARTNER WITH US

Scan the code or visit tx.ag/connectTAMUG
to learn more about how you can partner with
our academic and industry leaders

