

Sea Camp Week-long Residential Camps for Ages 10-18



Camp Registration

Registration is available on-line at www.tamug.edu/seacamp or you can call the Sea Camp office at (409) 740-4525.

A deposit of \$150 is required to reserve a camp session. Camp changes or cancellations must be submitted to the Sea Camp office in writing at least 4 weeks prior to the scheduled camp session or the deposit is non-refundable.

Cancellations or flight pick up can be made over phone or email at seacamp@tamug.edu

Art featured on this brochure by Lorena Elser Clamont



Adventures in Marine Biology (\$970)

Ages 10-12

June 2-8 June 9-15 June 16-22 June 23-29 July 7-13
July 14-20 July 21-27

Join us on an adventure of a lifetime exploring and studying the marine life of Galveston Bay! Get ready for a hands-on and feet-in experience learning about sharks, sea turtles, whales, dolphins, bony fish, oysters, and mudbugs! Explore environments by seining in a salt marsh, searching for life in an oyster reef, dissecting a shark and a bony fish, and trawling in the Galveston Ship Channel from a research vessel while we search for bottlenose dolphins!



Coral, Crabs, & Cephalopods (\$970)

Ages 11-12

July 28-August 3

Submerge into the world of coral reefs, the most diverse and productive communities on Earth. Did you know Texas has a bright and colorful coral reef 100 miles offshore? Learn about types of corals & reefs, their inhabitants, and how some are in danger. Additional activities include invertebrate dissections, a research vessel trip, wetlands exploration, and crabbing.

Sharks & More (\$1,025)

Ages 10-12

June 16-22 June 23-29 July 21-27

Have you ever wanted to learn more about sharks? What about the difference between sharks and other types of fish, or what about the truth behind shark attacks? Discover the amazing world of sharks, rays, and more. Observe live sharks at an aquarium. Learn to identify sharks based on their teeth and make your very own shark tooth necklace! Dissect a shark and compare its anatomy with that of a bony fish.



Coastal Ecology (\$1,025)

Ages 12-15

June 2-8 June 9-15 June 16-22
July 7-13 July 14-20 July 21-27

Learn about the marine ecology of the Galveston Bay area. Explore the sandy beach, salt marsh, jetty, and bay ecosystems. Have fun bird watching, swimming, and dissecting sharks & turtles. Experience what it is like to be a marine biologist for a day working behind the scenes at an aquarium. Go dolphin watching on a cruise across Galveston Bay and fish for flounder, redfish, and seatrout.

Advanced Coastal Ecology (\$1,025)

Ages 14-16

July 28-August 3

Learn about marine and freshwater ecology of Texas by exploring habitats of the Gulf of Mexico and nearby freshwater systems. From the cypress swamps to the coastal estuary each environment is unique! Students will be able to understand the difference between high and low energy environments and identify plants, invertebrates, and vertebrates that live there! Through fishing, dissections, and so much more, you will get an advanced look on how we evaluate coastal ecology!

Fishing Camp (\$1025)

Ages 13-18

June 2-8 June 16-22 June 23-29 July 7-13

Learn about the marine and estuarine environments through fishing. Catch your bait. Experiment with lures. Tie knots. Improve your cast. Enjoy fishing excursions to the bay, beach front (pier, wade, & surf fishing) and offshore. Compare the environments in which you fished and the catch from each location. Study the food chain through fish stomach content analyses. Visit a fish hatchery.



Oceanography (\$1,025)

Ages 12-15

July 28-August 3

Experience first-hand how geology, chemistry, biology, & physics interact to form a variety of habitats. From the photosynthesizing plankton to the bottom of the Marianas Trench, we'll explore the many layers of the ocean and the animals that live there! Expand your knowledge of the ocean floor even further by participating in gulf & bay sediment & water sampling.

Content and activities are aligned with the Boy Scouts of America Oceanography Merit Badge.



Coastal Photography (\$1,025)

Ages 13-18

June 2-8

June 9-15

July 7-13

July 28-August 3

Digital Art for Cell Phones

Wildlife Photography

Photo-Journalism

Wildlife Photography

Combine science & art in your choice of 4 unique digital photo camps. In each, you will take photos at the best locations in Galveston, make postcards, visit an art gallery, produce mini-portfolios, and finish the week with an art exhibit of your best images. Visit website for specific camp descriptions.



Biology of the Sea Turtle (\$1,025)

Ages 13-14

June 23-29

July 14-20

Explore sea turtle biology & ecology on the coast of Texas. Five of the 7 species of sea turtles worldwide occur in our Gulf of Mexico. Observe the feeding ecology of wild green sea turtles at Port Aransas jetties & witness a Kemp's Ridley hatchling release on North Padre Island (when available). Learn from biologists at TAMUG, Padre Island National Seashore, & the Texas State Aquarium. Vissect a freshwater turtle. Gain a greater understanding of issues concerning endangered & threatened marine species.



Marine Mammal Workshop (\$1,025)

Ages 15-18

June 16-22

July 7-13

Gain a broad overview of issues facing marine mammals while developing a greater appreciation for their biology. Study a wide range of marine mammal topics from behavior to physiology to conservation. With the cooperation of the marine mammal research programs at TAMUG and agencies such as the Texas Marine Mammal Stranding Network, this camp offers the cutting edge of marine mammal science.

Swimming with dolphins is not included or promoted!



Ocean Conservation Camp (\$1,025)

Ages 14-18

June 9-15

Reduce! Reuse! Recycle! The ocean needs your help! Explore and discover problems and solutions to overcoming our expanding carbon footprint. Join us as we learn about plastic pollution and its effects on the ocean food chain, trash islands formed by gyres, local endangered species, habitat loss through a restoration project, and so much more! Students will also design a sculpture using recycled materials! Let's make a wave of change this summer!



Ocean Careers Awareness (\$1,025)

Ages 15-18

June 23-29

Combines hands-on experiences relating to careers in the marine environment with introductions to professionals in a wide variety of careers. TAMUG faculty offer numerous opportunities to explore career options while assisting in the lab or field. Additional meetings are arranged with agencies such as NOAA, Moody Gardens, the UT Medical Branch, & the Coast Guard. Schedule is based on the interest of those enrolled.



Ecotourism: Costa Rica (\$2900) Ages 15-18 June 21-29th

Passport required! Costa Rica is a tropical paradise unmatched by any other Central American country. Join us as we travel across Costa Rica from the beautiful Pacific coast to the Arenal Volcano in northern Costa Rica. We will explore the rainforest ecosystem of the famous Manuel Antonio National Park, kayak the Damas mangrove, study reef fish, & visit beautiful Pacific coast beaches. Our trip continues to Texas A&M's Soltis Center for Research & Education. Students will see the rainforest ecosystem of the Arenal Volcano, study amphibians & reptiles, & take a safari down a tropical river. This camp involves hiking, kayaking, and a moderate fitness level is recommended.



Career-Oriented Residential Camps for High Ability Students Ages 14 - 18



Housing, Supervision, & Instruction

Sea Campers will reside in dormitories at the Texas A&M University at Galveston (TAMUG) Mitchell campus on Pelican Island. Campers are typically roomed two to a room and four to a suite. Roommate requests are upon registration or can be made by calling the office. A resident manager, dorm mom, recreation director, camp assistant and counselors (counselors are K-12 educators) are present 24 hours a day. Sea Camp instructors are experienced current and former undergraduate or graduate students at Texas A&M University at Galveston Campus.



Marine Biology Research (\$1,025)

Ages 14-18

June 2-8

July 14-20

July 28-August 3

Discover marine biology by exploring the diverse habitats of Galveston Island. Wade in the salt marshes of Galveston Bay while searching for bio-diversity & learn why this environment is a valuable resource. Work alongside TAMUG graduate students to collect pelagic & benthic organisms. Take a trip aboard a research vessel. Learn about marine mammals of the Gulf of Mexico. Design an original research project and presentation. This course is designed for students seeking field experience in the marine environment.



Marine Engineering (\$1,025)

Ages 14-18

June 9-15

Much like the Marine Engineering Technology degree offered at TAMUG, this camp introduces campers to an interdisciplinary education in marine propulsion & maritime-related engineering. It explores Maritime Systems Engineering through topics such as fluid mechanics, naval architecture, structural design, & coastal engineering. Campers engage in several hands-on building activities & competitions, get exposure to marine engineering labs at TAMUG & interact with TAMUG engineering students & staff. Field trips may include: TAMUG training ship & simulator, Ocean Star Oil Rig Museum, & NASA.



Marine Science Research (\$1,025)

Ages 14-18

July 21-27

Marine science researchers concentrate on physical, chemical, & geological science aspects of marine, estuarine, & coastal environments. A survey of recent TAMUG marine science grads who entered a professional career shows that many of them are currently working in the offshore petroleum exploration & production industry. This course covers careers in marine science, wetlands transects, water & sediment sampling, the pros & cons of artificial reefs, offshore petroleum exploration, remote sensing technology, density dynamics, & environmental law. Students will also design an original research project and presentation.



Veterinary Medicine (\$1,025)

Ages 14-18

July 14-20

July 21-27

Would you like to practice veterinary medicine someday? Why not get a head start this summer? Vet-med camp is the perfect camp for you if you are interested in helping animals. Spend a week touring large and small animal vet practices to help you decide which you like best. Visit laboratory animal medicine facilities, learn about zoo medicine, and explore animal welfare facilities. Discuss your future with vets, technicians, trainers, rehabilitators, and behaviorists who share your passion for helping our fluffy, scaly and feathered friends!