



# DIVING OPERATIONS

## Scientific Diver

Purpose: The TAMU-CC Scientific Diver training program is intended to provide occupational dive training to prepare divers to collect underwater data in a safe and efficient manner. Divers will earn the Scientific Diver certification in accordance with standards put forth by the American Academy of Underwater Sciences (AAUS). The Scientific Diver certification is widely recognized and accepted between AAUS members and other organizations that engage in Scientific Diving.

Training Credit Hours: 100

Prerequisites:

Open Water Diver certification	Program Application	Liability Release
Medical Evaluation	Dive Accident Insurance	Demonstrate need to dive
Swim Evaluation		

<b>Instructor</b>	<b>Email</b>	<b>Office Location</b>	<b>Phone</b>
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Required Reading:

The American Academy of Underwater Sciences Standards for Scientific Diving Manual  
Texas A&M University-Corpus Christi Diving Standards for Underwater Operations

Required Courses:

Progression to Diver-in-Training

Training Course Listing	Training Hours	Times Offered per year
Diving First Aid for Professional Divers (DFA Pro)	12	4
Dive Program Orientation	4	Online
Basic Equipment Configuration	4	Online
Confined Water Evaluation (Diver-in-Training)	4	12
Open Water Evaluation (Diver-in-Training)	4	12

Progression to Scientific Diver

Training Course Listing	Training Hours	Times Offered per year
Rescue Diver	25	3
Underwater Navigator	12	3
HazMat Cylinder Handling	4	Online
Deco. Theory, Application, and Management Tools	4	Online
Dive Physics	2	Online
Dive Physiology	2	Online
Dive Environments	4	Online
Scientific Method and Data Gathering Techniques	4	Online
Confined Water Evaluation (Scientific Diver)	4	12
Open Water Evaluation (Scientific Diver)	4	12



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11 supervised Scientific Checkout dives At least 6 hours of dive time	>6	12
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## Elective Courses:

Training Course Listing	Training Hours	Times Offered per year
Backplate/Wing Configuration	8	6
Nitrox EAN40 (lecture)	18	2
Hookah Diving	6	2
Full Face Mask	15	2
Dry Suit Diver	12	2

## Dive Status Upkeep Requirements:

Item	Expiration
Dive accident insurance	Annually
DAN DFA Pro	Every 2 years
Medical evaluation	Every 2-5 years depending on age
Minimum dive activity 12 total dives per year, majority Scientific	Today's date back 12 months

## Grading:

Evaluation of in-water skills are performance based which means that you have not successfully completed the course until you are proficient in the skills required. The minimum standard is considered a starting point and skill proficiency is the completion point. Scientific Divers are expected to perform skills to demonstration level quality and serve as supervisors to Divers-in-Training. You must attend all courses in full to receive credit.