

# Professional and Honor Program - Descriptions with Prerequisite Requirements

## Professional Career Programs - Full Residence

The Professional Career Programs provide broad training for students seeking rewarding, full-time employment in the recreational diving industry. Both full-residence individual skill and combination skill programs are available. Areas covered in professional programs are: skin and scuba diving instruction, divemaster supervision and dive control specialist, boatmaster, underwater digital photography and videography with computer editing, promotional diving video-DVD-CD and photo production, detailed dive business, store and resort operations, diving business sales and persuasion, diving equipment overhaul and repair technology, deep and technical diving instruction, semi-closed or closed circuit rebreather instruction, diving specialties instruction, submersibles and underwater communication technology, air station and technical gas blending operations, professional CPR-First Aid, and diving accident response technology and instruction.

Making a good living in the recreational diving industry generally requires more abilities than just teaching. The Professional Instructor Training Programs below provide additional training in other related skills to broaden your career opportunities. See the individual program descriptions for details.

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## Honor Programs Short Residence with Self Study Prep

The Institute's Honor programs are shortened versions of our full residence "Professional" Instructor, Divemaster /Dive Control Specialist and Rescue training modules. We designed the "Honor" Programs to give credit for certain types of previous training *from diver to divemaster and for using our self study package to help prepare before attendance.*

Honor program entry requirements are a lot stiffer than our longer full residence "Professional" programs. They also do not include the broad variety of training and practice available in our more extensive "Professional" programs.

People attending shorter Honor Programs, need to be self-motivated with excellent reading and math skills. Most Honor Programs have physical and written attendance qualification exams to test your preparedness before you arrive at the Institute for training. If your time is limited and you are willing to *honor* the commitment to self preparation, shorter Honor Instructor, Divemaster/Dive Con or Rescue programs could be the right choice for you.

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Trade Qualifications, Training Affiliations and/or Memberships

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Volume 29 - © August 2018

**Description of Course Numbering System** - The course numbering system uses a four to five alpha numeric identifier. The identifier prefixes are characters that represent the type of course and the suffixes are numbers that represent the sequence in which they are taught.

## Professional Instructor Training Program

**6 Weeks (45 days) • 300 Clock Hours**

**1 Day Off A Week Average • 8 Hour Days • 30 CEUs**

### Minimum Program Prerequisites:

- *General Entrance Requirements*
- *No previous diving experience, certification or length of time as a diver required.*
- *No previous logged scuba dives required, if you agree to dive an additional 32 dives on your days off during or after the program before certification, or 32 logged dives. Some outside training agencies may require testing review before authorization to teach.*

*Diploma: Professional Instructor*

### Program Objective:

To create employable certifiable skills in a person through training and experience in skin and scuba diving, in the art of underwater instruction, and in the art of supervision and rescue of divers.

#### **PIR - 1 • Introduction and Reviews • 23.5 clock hours**

This subject area includes orientation to the Institute and the city of Marathon. Procedures for diving excursions, equipment check in and out and first aid and safety gear operation are discussed. Group Leader assignments and responsibilities are also presented at this time. Room rules and regulations, eating establishments and laundry facilities are also explained. Periodic reviews of your progress are conducted throughout the program.

#### **PSK - 2 • Review of Diving Skills and Knowledge • 43.5 clock hours**

This subject area is designed to evaluate and strengthen basic SCUBA and skin diving skills as a foundation upon which to build advanced diving skills. The knowledge review includes basic diving physics, physiology, equipment, environment, diving techniques and decompression theory at the entry certification level. Students are expected to show mastery of these areas by passing an entry level examination after review sessions are completed.

#### **PAD - 3 • Advanced Training • 46 clock hours**

Advanced diving physics, physiology, equipment, environment, diving techniques and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. Waterwork exercises expand to include advanced agility skills and diving skills beyond the entry level diver's capability. Due to the shorter period of 6-week program versus the 12-week program, an extra 2 dives are scheduled for additional practice. This results in four hours of additional training for this subject area.

#### **PDB - 4 • Divemaster and Boatmaster Training with Apprentice • 30.5 clock hours**

This subject area includes perfecting diving skills to a professional level. Seamanship, organizing and leading dive groups and rigging dive vessels for specialty dives are covered in this area. Oral presentation techniques are discussed and practiced and diving activities are conducted in a variety of environments. A written exam and satisfactory performance on actual dive trips as acting divemaster/boatmaster are required to pass this part of the training.

#### **PRT - 5 • Diving Accident Response Technician • 27.5 clock hours**

First Aid, CPR and Basic Life Support form the nucleus of this subject area. Further subjects include field neurological survey and oxygen administration. Open water SCUBA and skin diving rescues are also trained and practiced as well as proper accident management. Six written exams and practical rescues along with practical CPR and O<sub>2</sub> usage must be passed in this section.

#### **PIP - 6 • Instructor Preparatory Training • 36 clock hours**

This subject area introduces skills that are unique to SCUBA instruction. Teaching presentation creation and practice as well as improvement in weak knowledge areas dominate this section. Water exercises allow students to take control in guarded conditions. Due to the shorter period in the 6-week program versus the 12-week program, an additional 2 dives are included for practice. This results in four hours of additional training for this subject area.

#### **PIT - 7 • Instructor Training • 51.5 clock hours**

The Instructor subject area is the core of the program. The previously learned areas are perfected in this section. Skills that the student has perfected in performance are now taught to other students in prepared teaching presentations. Academic teaching presentations are also evaluated and improved. Lecture areas include legal aspects, standards and procedures, and teaching theory and methods. Other topics include how to teach diving physics, physiology, and decompression theory. There are ten written examinations that must be passed in this part of the program. The student is also evaluated during prepared speeches, open water work and pool teaching assignments.

#### **PAC - 8 • Instructor Apprentice Training and Career Day • 41.5 clock hours**

This subject area is the final examination for certification. During this phase of the program, the student teaches ACTUAL open water students. Teaching presentations, demonstrations, instruction and critiques are all performed by the newly trained instructor. There are also assigned divemaster/boatmaster duties on ACTUAL reef trip excursions. This assures that the student is confident and ready to assume the responsibilities of a diving instructor and Divemaster/Boatmaster. During Career Day the student prepares information for their resume, receives training for interviews, and help in arranging employment in a variety of areas.

## Professional Store and Resort Instructor Training Program

**12 Weeks (88 days) • 532 Clock Hours**

**2 Days Off A Week Average • 8 Hour Days • 53.2 CEUs**

### Minimum Program Prerequisites:

- *General Entrance Requirements*
- *No previous diving experience, certification or length of time as a diver required.*
- *No previous logged scuba dives required, if you agree to dive at least 6 dives on your days off during the course, or 6 logged dives. Some outside training agencies may require testing review before authorization to teach.*

*Diploma: Professional Store and Resort Instructor*

### Program Objective:

To create employable certifiable skills in a person through training and experience in skin and scuba diving, the art of underwater instruction, and in the art of supervision and rescue of divers. To also give certifiable training and experience in the operations of a diving resort, store or business, underwater digital cameras, photo and video computer editing, diving equipment repair facility and sales in a diving resort, store or business.

#### **PIR - 1 • Introduction and Reviews • 23.5 clock hours**

This subject area includes orientation to the Institute and the city of Marathon. Procedures for diving excursions, equipment check in and out and first aid and safety gear operation are discussed. Periodic reviews of your progress are conducted throughout the program.

#### **PSK - 2 • Diving Skills and Knowledge • 43.5 clock hours**

This subject area is designed to evaluate and strengthen and in some cases start basic SCUBA and skin diving skills as a foundation upon which to build advanced diving skills. The knowledge areas includes basic diving physics, physiology, equipment, environment, diving techniques and decompression theory at the entry certification level. Students are expected to show mastery of these areas by passing an entry level examination after review sessions are completed. They also have to pass all waterwork sections.

#### **PAD - 3 • Advanced Training • 46 clock hours**

Advanced diving physics, physiology, equipment, environment, diving techniques and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. Waterwork exercises expand to include advanced agility skills and diving skills beyond the entry level diver's capability.

#### **POS - 4 • Resort and Business Operations and Sales • 62.5 clock hours**

In this subject area the students are schooled to complete entire service and sales operations with the aid of a special Operations manual and Video program. Every aspect of dive resort and store operations and sales is covered from selling diving equipment, renting equipment and reef trip organization to cash register operation and daily reporting. There are two written exams that must be passed in this subject area along with practical exercises.

#### **PPV - 5 • Digital Photography and Videography with Computer Editing • 96 clock hours**

The mechanics of using digital still and video underwater cameras with professional results highlight this subject area. Numerous trips to local reefs and wrecks provide excellent photographic opportunities and much needed practice to develop the student's skill. Once photos and videos are taken, the student learns to edit the results on a computer. Students produce a professional level vacation video using Adobe Premiere. Students retouch their digital still photos in Adobe Photoshop turning their average underwater photos into professional quality photos suitable for brochure, magazine or personal use. Two practical and written exams must be passed in this section.

#### **PER - 6 • Equipment Repair Training • 44 clock hours**

SCUBA equipment theory of operation, classification, repair and maintenance techniques are covered in this subject area. SCUBA regulators, gauges, buoyancy compensators, tanks and valves are disassembled and repaired by the students. Air compressors and fill stations are also covered with troubleshooting and maintenance performed by the students on actual SCUBA air systems. Both a written and a practical exam must be passed to successfully pass this section.

#### **PDR - 7 • Divemaster, Boatmaster, Dive Accident Response Technician Training with Apprentice • 57.5 clock hours**

This subject area includes perfecting diving skills to a professional level. Seamanship, organizing and leading dive groups and rigging dive vessels for specialty dives are covered in this area. Oral presentation techniques are discussed and practiced and diving activities are conducted in a variety of environments to facilitate group safety practice and experience. First Aid, CPR, Basic Life Support, field neurological survey, oxygen administration, open water rescues are also trained and practiced as well as proper accident management. Seven written exams and satisfactory performance on actual dive trips as acting divemaster/boatmaster, in water rescuer, and demonstration of proper CPR, First Aid and Oxygen usage are required to pass this part of the training.

#### **PIT - 8 • Instructor Training • 89.5 clock hours**

The Instructor subject area is the core of the program. The previously learned areas are perfected in this section. Skills that the student has perfected in performance are now taught to other students in prepared teaching presentations. Academic teaching presentations are also evaluated and improved. Lecture areas include legal aspects, standards and procedures, and teaching theory and methods. Other topics include how to teach diving physics, physiology, and decompression theory. There are ten written examinations that must be passed in this part of the program. The student also, must pass evaluation during prepared speeches, open water and pool teaching assignments.

#### **PAC - 9 • Overall Apprentice Training and Career Day • 69.5 clock hours**

This subject area is the final examination for certification. Under supervision of an Instructor Trainer, the student teaches ACTUAL open water students. There are also assigned divemaster/boatmaster duties on ACTUAL reef trip excursions. ACTUAL phone sales, sales floor presentations and, resort and store operational procedures are also completed and passed. The final apprenticeship training assures that the student is confident and ready to assume the responsibilities of a diving professional. During Career Day the student prepares information for their resume, receives training for interviews, and help in arranging employment in a wide variety of areas.

# Professional Store and Resort Instructor with Deep Tech and Rebreather Instructor Training Program

14 Weeks (102 days) • 612 Clock Hours  
2 Days Off A Week Average • 8 Hour Days • 61.2 CEUs

## Minimum Program Prerequisites:

- General Entrance Requirements
- No previous diving experience, certification or length of time as a diver required.
- No previous logged scuba dives required. Some outside training agencies may require testing review before authorization to teach and up to ninety hours rebreather self-practice before teaching rebreathers.

Diploma: Professional Store and Resort Skin, Scuba, Technical and Rebreather Instructor

## Program Objective:

To create employable certifiable skills in a person through training and experience in skin, scuba, technical scuba and rebreather diving, the art of underwater instruction, and in the art of supervision and rescue of divers. To also give certifiable training and experience in the operations of a diving resort, store or business, underwater digital cameras, photo and video computer editing, diving equipment repair facility and sales in a diving resort, store or business.

### PIR - 1 • Introduction and Reviews • 23.5 clock hours

This subject area includes orientation to the Institute and the city of Marathon. Procedures for diving excursions, equipment check in and out and first aid and safety gear operation are discussed. Periodic reviews of your progress are conducted throughout the program.

### PSK - 2 • Diving Skills and Knowledge • 43.5 clock hours

This subject area is designed to evaluate and strengthen and in some cases start basic SCUBA and skin diving skills as a foundation upon which to build advanced diving skills. The knowledge areas include basic diving physics, physiology, equipment, environment, diving techniques and decompression theory at the entry certification level. Students are expected to show mastery of these areas by passing an entry level examination after review sessions are completed. They also have to pass all waterwork sections.

### PAD - 3 • Advanced Training • 46 clock hours

Advanced diving physics, physiology, equipment, environment, diving techniques and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. Waterwork exercises expand to include advanced agility skills and diving skills beyond the entry level diver's capability.

### POS - 4 • Resort and Business Operations and Sales • 62.5 clock hours

In this subject area the students are schooled to complete entire service and sales operations with the aid of a special Operations manual and Video program. Every aspect of dive resort and store operations and sales is covered from selling diving equipment, renting equipment and reef trip organization to cash register operation and daily reporting. There are two written exams that must be passed in this subject area along with practical exercises.

### PPV - 5 • Digital Photography and Videography with Computer Editing • 96 clock hours

The mechanics of using digital still and video underwater cameras with professional results highlight this subject area. Numerous trips to local reefs and wrecks provide excellent photographic opportunities and practice. The student practices and edits their photos and videos on a computer using Adobe Premiere and Photoshop software. Students produce a professional level vacation video and underwater still photos suitable for professional level publishing as part of their final practical evaluation. Two practical and written exams must be passed in this section.

### PER - 6 • Equipment Repair Training • 44 clock hours

SCUBA equipment theory of operation, classification, repair and maintenance techniques are covered in this subject area. SCUBA regulators, gauges, buoyancy compensators, tanks and valves are disassembled and repaired by the students. Air compressors and fill stations are also covered with troubleshooting and maintenance performed by the students on actual SCUBA air systems. Both a written and a practical exam must be passed to successfully pass this section.

### PDR - 7 • Divemaster, Boatmaster, Dive Accident Response Technician Training with Apprentice • 57.5 clock hours

This subject area includes perfecting diving skills to a professional level. Seamanship, organizing and leading dive groups and rigging dive vessels for specialty dives are covered in this area. Oral presentation techniques are discussed and practiced and diving activities are conducted in a variety of environments to facilitate group safety practice and experience. First Aid, CPR, Basic Life Support, field neurological survey, oxygen administration, open water rescues are also trained and practiced as well as proper accident management. Seven written exams and satisfactory performance on actual dive trips as acting divemaster/boatmaster, in water rescuer, and demonstration of proper CPR, First Aid and Oxygen usage are required to pass this part of the training.

### PIT - 8 • Instructor Training • 89.5 clock hours

The Instructor subject area is the core of the program. Skills that the student has perfected in performance are now taught to other students in prepared teaching presentations. Academic teaching presentations are also evaluated and improved. Lecture areas include legal aspects, standards and procedures, and teaching theory and methods. Other topics include how to teach diving physics, physiology, and decompression theory. There are ten written examinations that must be passed in this part of the program. The student also, must pass evaluation during prepared speeches, open water and pool teaching assignments.

### PAC - 9 • Overall Apprentice Training and Career Day • 69.5 clock hours

This subject area is the final examination for certification. Under supervision of an Instructor Trainer, the student teaches ACTUAL open water students. There are also assigned divemaster/boatmaster duties on ACTUAL reef trip excursions. ACTUAL phone sales, sales floor presentations and, resort and store operational procedures are also completed and passed. The final apprenticeship training assures that the student is confident and ready to assume the responsibilities of a diving professional. During Career Day the student prepares information for their resume, receives training for interviews, and help in arranging employment in a wide variety of areas.

### PRD - 10 • Rebreather and Deep Tech Instructor Training • 80 clock hours

This subject area covers in detail deep technical diving and the use of rebreathers. Blending mixed gases, advanced wreck diving, stage decompression and advanced nitrox are just some of the areas practiced and studied. Diver propulsion vehicles (DPV) and commercial grade underwater communication equipment are also used during the program. Special techniques using lift bags, lights, lines and reels will also be practiced. Six acceptable oral teaching speeches on technical subjects must be presented by each student. Students must also pass practical applications of technical skills, several quizzes and written exams on each subject area.

# Professional Store and Resort Sales and Operation Program

2 Weeks (13 Days) • 88 Clock Hours  
2 Days Off In The Middle • 8 Hour Days • 8.8 CEUs

## Minimum Program Prerequisites:

- General Entrance Requirements
- No medical exam, certified diver or swim requirements

Diploma: Store and Resort Sales & Operations Technician

This program by itself is more difficult to use in seeking full-time employment than programs containing instructor training.

This training is included in the 12 and 14 week Instructor Programs. Additionally, it may be Combined with the 6 Week Instructor Program, Digital Video and Photography Program and Repair for one continuous Program. When Programs are combined as one continuous Program there is one day average off between Programs and the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.

## Program Objective:

To create employable certifiable skills in a person through training and experience in the art of selling resort travel, diving equipment and operating in a dive resort or store.

### PIS - 1 • Sales and Operations Introduction and Reviews • 6 clock hours

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Group leader assignments and responsibilities are presented at this time. Room rules and regulations, eating establishments and laundry facilities are also indicated. Periodic reviews of your progress are conducted throughout the program.

### POP - 2 • Store Operation Procedures • 4.5 clock hours

This subject area is designed to introduce generic and specific resort and store operations ranging from opening and closing to high pressure air system operation. A special Operations manual outlines these procedures in detail.

### PCR - 3 • Cash Register Operations and Closing • 7.5 clock hours

Operation of modern cash registers dominates this subject area. Not only does the student learn to operate these complex machines but daily bookkeeping procedures are also presented. The Operations manual again becomes most useful in indicating the proper procedures to follow during the daily register checkout and deposit.

### PBR - 4 • Booking Reservations • 17 clock hours

The growing area of dive travel is covered in this subject area. Most full service dive stores and ALL resorts must master the art of booking travel reservations. Combination accommodation and diving packages are presented for both individuals and diving groups. Students must accurately quote prices for endless combinations of packages while simultaneously presenting a phone sales presentation. Roll playing develops this skill to a professional level.

### PRR - 5 • Rental and Reef Trip Procedures • 7.5 clock hours

This subject area deals with procedures involved in checking out reef trip customers. From liability releases to equipment check out, all areas necessary to properly perform this task are presented and practiced. Equipment rentals to be used on the customer's own boat are also covered. Roll playing is vital to efficiently developing this ability.

### PAP - 6 • Administrative Procedures • 6.5 clock hour

Package processing, ledger and pay bills, use of postage and office machines, types of insurance and work efficiency are some of the topics discussed in this subject area. All areas to insure smooth operations "behind the scenes" are presented to allow the students to understand the road to advancement into management after they get that first job.

### PRS - 7 • Diving Retail Sales Psychology • 7.5 clock hours

The mechanics of selling highlight this subject area. The use of a video program with an interactive workbook and role playing exercises guide students through the art of selling in the diving industry.

### PGM - 8 • Gross Profit Margins and Merchandising • 5 clock hours

In this subject area the students learn how to figure gross profit margins and price merchandise. Merchandising techniques are also illustrated to display merchandise to promote sales. Point of purchase displays are constructed at this time and tested for effectiveness during the program.

### PLS - 9 • Lesson Sales • 3 clock hours

Selling intangible services is always the most challenging assignment for a sales professional. SCUBA diving lessons require skill and knowledge to sell to the general public. This subject area delves into the fears and expectations people have when they sign up for SCUBA lessons. It also teaches the student to determine what type of program best suits the needs of the customer from entry level lessons to leadership level programs.

### PEP - 10 • Equipment Package Sales • 2.5 clock hours

This subject area instructs students in "the Big Sale". Since SCUBA diving is an equipment intensive sport, the ability to create and sell total diving systems is essential to success as a diving professional in retail sales. Special pricing and selling techniques are practiced for this area. Bargaining and discounting are also discussed.

### PAT - 11 • Apprentice Training and Exams • 21 clock hours

This subject area is the final examination for graduation. During this phase of the program, ACTUAL phone sales and sales floor presentations are completed. All store operations are performed by students but ONLY under supervision of our instructors. It is of utmost importance during this section that the instructor only interrupt if absolutely necessary. This assures that the student is confident and ready to assume the responsibilities of a diving retail professional. Written exams must also be passed in both sales and operations to successfully pass this program.

## Professional Rebreather Instructor Training Program

1 Week (5 days) • 40 Clock Hours

Continuous Days • 8 Hour Days • 4 CEUs

### Minimum Program Prerequisites:

- General Entrance Requirements
- No Swimming Requirements
- Institute enrolled Instructor Student or Graduate  
or Current Certified Scuba Diving Instructor with Nitrox certification
- Some outside training agencies may require up to ninety hours rebreather self-practice before teaching.

Diploma: Rebreather Instructor

A Twelve Week Instructor Program is combined with Deep Tech Instructor and, Rebreather Instructor training in the Fourteen Week Instructor Program. Additionally, a Six Week Instructor Program may be Combined with Deep Tech Instructor, Rebreather Instructor, Digital Videography and Photography for One Continuous Program. Days Off average one to two days per week during the Combined Program. When Programs are combined as one continuous Program; the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.

### Program Objective:

To create employable, certifiable skills in a diving Instructor through training and experience in the art of underwater rebreather instruction.

#### PRi - 1 • Introduction and Reviews • 4 clock hours

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Group Leader assignments and responsibilities are presented at this time. Share room rules and regulations, eating establishments and laundry facilities are also indicated. Periodic reviews of your progress are conducted throughout the program.

#### PSP - 2 • Speech Performance and Preparation • 3 clock hours

This subject area is designed to improve the instructor's ability to prepare and present academic teaching presentations on the topic of rebreathers. Basic speech format, content and delivery are reviewed. Correct use of appropriate training aids are discussed. Practice and graded teaching presentations are given. The student must meet acceptable evaluation criteria for 3 oral teaching presentations.

#### PPP - 3 • Program Planning • 1 clock hour

This subject area is designed to help the instructor organize and plan a program of instruction using rebreathers. Program standards and curriculum are reviewed. Logistical requirements including equipment, facilities, schedules, materials, texts and written examinations are discussed.

#### PPS - 4 • Openwater and Pool Problem Solving • 20 clock hours

This subject area is the core of the program. Students learn to dive with the rebreather. They are taught emergency procedures and equipment problem solving. Students are trained in the techniques of making effective in-water presentations to rebreather students. They learn to recognize and solve student problems in the practical use of rebreathers. Students must pass evaluation during in-water presentations and problem solving.

#### PRA - 5 • Rebreather Academics • 8 clock hours

This subject area is designed to impart necessary information on the theory of closed and semi-closed rebreather technology and its practical application in recreational diving. Topics covered include rebreather history, physiology, gas considerations and decompression, dive planning considerations and a basic review of Enriched Air Nitrox. Students receive several quizzes and must pass the final written examination.

#### PRM - 6 • Rebreather Mechanics • 4 clock hours

Students will learn the mechanical operation of the rebreather in this subject area. They will disassemble, clean and reassemble the rebreather unit. They will learn basic maintenance procedures including o-ring removal and replacement, CO<sub>2</sub> scrubber canister inspection, canister packing with scrubber material, installation and removal of the sonic orifice and counterlung, and inspection of accessory devices such as the bailout system and buoyancy control device. Students must demonstrate proficiency in the assembly, inspection, cleaning and disassembly of the rebreather.

## Professional Deep Tech Instructor Training Program

1 Week (5 days) • 40 Clock Hours

Continuous Days • 8 Hour Days • 4 CEUs

### Minimum Program Prerequisites:

- General Entrance Requirements
- No Swimming Requirements
- Institute enrolled Instructor Student or Graduate  
or Current Certified Scuba Diving Instructor with Nitrox certification

Diploma: Deep Tech Instructor

A Twelve Week Instructor Program is combined with Deep Tech Instructor and Rebreather Instructor training in the Fourteen Week Instructor Program. Additionally, a Six Week Instructor Program may be Combined with Deep Tech Instructor, Rebreather Instructor, Digital Videography and Photography for One Continuous Program. Days Off average one to two days per week during the Combined Program. When Programs are combined as one continuous Program; the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.

### Program Objective:

To create employable, certifiable skills in a diving Instructor through training and experience in the deep technical field of diving.

#### PRi - 1 • Introduction and Reviews • 4 clock hours

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Group Leader assignments and responsibilities are presented at this time. Share room rules and regulations, eating establishments and laundry facilities are also indicated. Periodic reviews of your progress are conducted throughout the program.

#### PSO - 2 • Speech Preparation and Orals • 4 clock hours

This subject area is designed to improve the instructor's ability to prepare and present oral academic presentations on technical diving topics. Basic speech format, content and delivery are reviewed. Correct use of appropriate training aids are discussed. Practice and graded teaching presentations are given. The student must meet acceptable evaluation criteria for 3 oral teaching presentations.

#### PNH - 3 • Nitrox, Advanced Nitrox and Heliox • 2 clock hours

This subject area is designed to review the theory and use of enriched air nitrox and the theory of helium mixtures for use with open circuit and semi-closed underwater breathing systems. Formulas for computing oxygen dose, maximum operating depth, best mix, equivalent air depth, %CNS and OTUs, and inspired oxygen percentage are reviewed. Tracking oxygen/nitrogen/helium exposure and gas supply management are also reviewed. Student must demonstrate proficiency in performing calculations for use of mixtures through a written quiz.

#### PSD - 4 • Stage Decompression/Extended Range • 4 clock hours

This subject area exposes the student to the theory of deeper diving, human physiology, equipment configurations, hazards, emergency procedures, gas management and advanced decompression. The topic of mandatory decompression stop diving, i.e. staged decompression, is covered in detail. Use of enriched air mixtures greater than 40% oxygen for decompression purposes is discussed. Student must demonstrate proficiency in performing calculations for use of oxygen mixtures through a written quiz.

#### PAW - 5 • Advanced Wreck Theory • 2 clock hours

This subject area is designed to introduce the student to the advanced theory of planning and conducting wreck dives. Topic areas include equipment considerations, planning, types and uses of descent/ascent lines, conducting an external survey, essentials of wreck penetration, hazards, and emergency procedures. Student must demonstrate proficiency in performing wreck dives during the Lab section.

#### PMG - 6 • Mixed Gas • 2 clock hours

The theory of using mixed gases for deeper dives is introduced in this subject area. The use of nitrogen, helium, oxygen, neon and argon as breathing gases is discussed. Emphasis is placed on the benefits and consequences of using mixed gases for diving with special consideration placed on hypoxia and hyperoxia. Equipment considerations, decompression options, tables, computers and operational and emergency planning are also covered. The student is also introduced to basic procedures for diving with mixed gases including travel mixes, bottom mixes, decompression mixes, dive analysis and logging. Student must demonstrate proficiency in performing calculations for use of mixed gases through a written quiz.

#### PRB - 7 • Rebreathers • 4 clock hours

This subject area will introduce or review the student to the theory and operation of closed and semi-closed circuit rebreathers. Topics covered include rebreather physiology, rebreather mechanics, gas consumption and typical problems encountered with the use of rebreathers. Student must demonstrate proficiency in performing calculations for use of rebreathers through a written quiz.

#### PBB - 8 • Basic Blender • 2 clock hours

The responsibilities of the basic, advanced nitrox and heliox blender and service technician, oxygen handling equipment servicing, gas production, mixing techniques, gas analysis and accounting/administrative requirements are covered in this subject area. Students are trained to blend nitrox using the state-of-the-art differential permeability membrane system. The student must demonstrate proficiency in basic gas blending and analysis.

#### PLB - 9 • Lab; Dives, Simulated Decompression, Use of DPVs • 12 clock hours

This area includes open water dives on deep wrecks and local reefs. The dives include the use of underwater communication equipment, mixed gas mixtures, and diver propulsion vehicles. The student will learn to teach deep diving techniques, configure equipment, and perform simulated stage decompression. The proper use of lights, lines and reels for wreck penetration will also be practiced. The student will also practice problem solving techniques and emergency procedures. Student must pass practical applications through graded demonstration of diving, teaching and supervision techniques.

#### PEQ - 10 • Exams, Exam Reviews, Quizzes • 4 clock hours

Knowledge reviews and quizzes are periodically given throughout the program. The student must pass final written examinations on each subject area.

## Professional Digital Photography Program

**1 Week (6 days) • 48 Clock Hours**  
**Continuous Days • 8 Hour Days • 4.8 CEUs**

*Minimum Program Prerequisites:*

- General Entrance Requirements
- No Swim Requirements
- Institute enrolled Diver student or Certified Diver

*Diploma: Underwater Digital Photographer and Technician*

*This program by itself is more difficult to use in seeking full-time employment than programs containing instructor training.*

*This training is included in the 12 and 14 week Instructor Programs. Additionally, a Six Week Instructor Program may be Combined with Digital Photography for One Continuous Program. Digital Photography directly follows the Six Week Instructor Program with no days off between subjects. When Programs are combined as one continuous Program; the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.*

### **Program Objective:**

To create employable, certifiable skills in a person through training and experience in the art of underwater digital photography and computer photographic editing. Imparts the knowledge and skill necessary for a certified scuba diving instructor to teach basic underwater digital photography and basic computer photographic editing.

#### **POR - 1 • Orientation and Reviews • 3 clock hours**

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Group Leader assignments and responsibilities are presented at this time. Room rules and regulations, eating establishments and laundry facilities are also indicated. Periodic reviews of student progress are conducted throughout the program.

#### **PDT - 2 • Digital Camera Theory • 2 clock hours**

This subject area is designed to introduce Digital camera technology. Comparisons are made between digital and film photography. Students learn the complete operation of modern digital still cameras. Subjects cover setting F-stops, shutter speed, exposure control along with using filters, lenses, ports and strobes. Automatic through the lenses (TTL) camera focus and exposure are also discussed. The student must demonstrate the proper setting of camera controls following this lecture.

#### **PWO - 3 • Computer - Windows Operating System • 2 clock hours**

This subject area explains the portions of Windows Operating System that students need to use to begin to perform computer photographic editing. It includes use of a network to transfer digital files and copying photos to CD, DVD or floppy discs. Downloading digital photos to the computer's hard drive is also covered.

#### **PAP - 4 • Computer - Adobe Photoshop Editing • 5 clock hours**

This subject area exposes the student to the extensive tools for editing of digital photographs. From palettes, tools and shortcuts to setting gamma and adjusting the monitor are provided. Every area of importance to underwater photo editing is covered in complete detail. Students learn the tools and menus through manipulating the mouse and keyboard on their own (supplied) computer.

#### **PCO - 5 • Practical Camera Operation • 16 clock hours**

This section starts with pool training to practice the manipulation of the camera and strobe in a controlled environment. Students practice body positioning with long, medium and close-up shots. This section progresses on to frequent boat trips to the reef and local wrecks sites to set the stage for real life shooting of underwater scenes. Practice in the open water includes acting as a photographer with the camera, setting up standard photographic scenes and acting at times as an underwater diving model. Each student shoots hundreds of underwater photographs. Students must demonstrate proficiency finding suitable underwater scenes, taking properly exposed and composed photographs, and acting properly as an underwater model.

#### **PPO - 6 • Practical Adobe Photoshop Operation • 15 clock hours**

Students practice making ordinary underwater photographs look truly outstanding using computer touch-up techniques. Using Photoshop, students manipulate their underwater photos by adjusting color balance, exposure, saturation, resolution and sharpness for optimum clarity. Students also do hands on cloning to remove back scatter and they adjust selected areas of the photos to bring them into printable color gamut. Students must demonstrate all skills with proficiency.

#### **PCS - 7 • Photo - Copying, Storage and Sending by Printer, DVD, CD, Internet or E-mail • 1 clock hour**

This subject area will introduce or review the student to the use of the computer to transmit or copy photographic information. Students demonstrate proficiency in copying and e-mailing photographs.

#### **PEE - 8 • Practical Examination and Written Exam • 4 clock hours**

Pool student demonstrations of proper buoyancy control and body positioning for shooting long, medium and close-up shots are evaluated for a final practical score. Students also demonstrate computer editing photo skills including computer skills of downloading, e-mailing, printing and copying photos to a CD. The student must pass these final practical examinations and a final written examination to successfully complete the program.

## Professional Digital Videography Program

**1 Week (6 days) • 48 Clock Hours**  
**Continuous Days • 8 Hour Days • 4.8 CEUs**

*Minimum Program Prerequisites:*

- General Entrance Requirements
- No Swim Requirements
- Institute enrolled Diver student or Certified Diver

*Diploma: Underwater Digital Videographer and Technician*

*This program by itself is more difficult to use in seeking full-time employment than programs containing instructor training.*

*This training is included in the 12 and 14 week Instructor Programs. Additionally, the Digital Videography Program may be Combined with a Six Week Instructor Program for One Continuous Program. In a Combined Program, the Video section is first, followed by three days off and then the Six Week Instructor Program. When Programs are combined as one continuous Program; the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.*

### **Program Objective:**

To create employable, certifiable skills in a person through training and experience in the art of underwater digital videography and computer video editing. Imparts the knowledge and skill necessary for a certified scuba diving instructor to teach basic underwater digital videography and basic computer video editing.

#### **POR - 1 • Orientation and Reviews • 3 clock hours**

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Group Leader assignments and responsibilities are presented at this time. Room rules and regulations, eating establishments and laundry facilities are also indicated. Periodic reviews of student progress are conducted throughout the program.

#### **PDV - 2 • Digital Video Camera Theory and Menu Manipulation • 3 clock hours**

This subject area is designed to introduce Digital video camera technology. Comparisons are made between digital and VHS tape videography. Students learn the complete operation of modern digital video cameras. Subjects cover setting iris exposure controls, shutter speed and white balance along with using filters, lenses, ports and lights. Additional subjects include camera hookup, assembly both in and out of housing. The student must demonstrate the proper setting of camera controls following this lecture.

#### **POP - 3 • Computer - Windows Operating System • 1 clock hour**

This subject area explains the portions of Windows Operating System that students need to use to begin to perform computer photographic editing. It includes use of a network to transfer digital files and copying photos to CD, DVD or floppy discs. Downloading digital videos to the computer's hard drive is also covered.

#### **PCP - 4 • Computer - Adobe Premiere Editing • 7 clock hours**

This subject area exposes the student to the extensive computer tools for editing of digital videos. From palettes, tools and shortcuts to setting gamma, adding sound, transitions, clips and bins are provided. Every area of importance including adding effects, titles and making composites are covered. Students learn the tools and menus through manipulating the mouse and keyboard on their own (supplied) computer.

#### **POF - 5 • Practical Camera Operation and Filming • 16 clock hours**

This section starts with pool training to practice the manipulation of the video camera in a controlled environment. Students practice body positioning with long, medium and close-up shots. This section progresses on to frequent boat trips to the reef and local wrecks sites to set the stage for real life shooting of underwater scenes. Practice in the open water includes acting as a videographer with the camera, setting up storyboarded scenes and acting at times as an underwater diving model. Students shoot hours of underwater videos. Students must demonstrate proficiency finding suitable underwater scenes, taking properly exposed and composed videos, and acting properly as both a topside and underwater models.

#### **PPE - 6 • Practical Adobe Premiere Editing • 10 clock hours**

Students practice making underwater and topside videos look truly outstanding using computer editing techniques. Using Premiere, students manipulate their underwater videos into small clips that when combined together make an underwater vacation story. Sound, narration and special effects are added to make the story hold the viewers interest and impart information.

#### **PSC - 7 • Video - Copying, Storage and Sending - DVD, CD and Mini DV • 4 clock hours**

This subject area will introduce or review the student to the use of the computer to transmit or copy video information. MPEG containing menus along with analog formats are covered. Students demonstrate proficiency in downloading videos into a consumer usable format such as DVD, CD, internet or disk cards.

#### **PVE - 8 • Practical Examination and Written Exam • 4 clock hours**

Pool student demonstrations of proper buoyancy control and body positioning for shooting long, medium and close-up shots are evaluated for a final practical score. Students also demonstrate computer editing video skills to assemble a workable video production for downloading to CD or DVD. The student must pass these final practical examinations and a final written examination to successfully complete the program.

## Professional Equipment Repair Technician Program

1 Week (6 Days) • 48 Clock Hours

Continuous Days • 8 Hour Days • 4.8 CEUs

### Minimum Program Prerequisites:

- General Entrance Requirements
- No medical exam, certified diver or swim requirements

Diploma: Equipment Repair Technician

This program by itself is more difficult to use in seeking full-time employment than programs containing instructor training.

This training is included in the 12 and 14 week Instructor Programs. Additionally, it may be Combined with the 6 Week Instructor Program, Digital Video and Photography Program and, Store and Resort Operations and Sales Program for one continuous Program. When Programs are combined as one continuous Program there is one day average off between Programs and the total application fees for the combined Programs will not exceed \$150.00. See calendar and rates in back pocket of catalog for dates and adjusted fees.

### Program Objective:

To create employable certifiable skills in a person through training and experience in the art of repair of diving equipment.

#### PRR - 1 • Repair Introduction and Review • 6 clock hours

This subject area includes orientation to the Institute and the city of Marathon. An overview and objectives to be reached in this program are outlined. Tool kit assignment and check, also tool identification and use, are completed. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

#### PBA - 2 • Basic Air Flow Concepts • 1 clock hour

This subject area is designed to introduce enough air flow physics to understand the operation of modern SCUBA diving equipment. Air flow is traced throughout the SCUBA system and the use of venturi initiated vacuum assist is investigated. Pneumatic balancing is also explained at this time.

#### PVT - 3 • Valves and Tanks • 5 clock hours

Operation and repair of SCUBA cylinder valves and internal inspection of dive tanks make up most of this subject area. Most of the time is spent in hands on disassembly, inspection and reassembly. The practice of drawing diagrams besides schematics is stressed at this time.

#### PGL - 4 • Gauges, Lubricants and Adhesives • 1 clock hour

The submersible pressure gauge is the only SCUBA diving gauge that can be serviced outside the factory. Hands on service of these gauges and troubleshooting information, round out this subject area. Proper lubricants and adhesives used in typical SCUBA repair are described and compared.

#### PCS - 5 • Compressor Systems • 3 clock hours

This subject area deals with procedures involved in operating and maintaining high pressure SCUBA compressors. System air flow and part identification precede the invaluable troubleshooting section. This knowledge can save thousands in compressor repair bills.

#### PSM - 6 • Exposure Suits and Manufacturers • 1 clock hour

Adhesives and repair techniques dominate this subject area. Trouble spots and acceptable repair procedures are identified. Dry suit waterproof zippers are also examined. Diving equipment manufacturer's products are identified and discussed.

#### PCP - 7 • Buoyancy Compensators and Power Inflators • 2 clock hours

The mechanics of power inflators and buoyancy compensators are explored in this subject area. Hands on evaluation of power inflators, over pressure relief valves and CO<sub>2</sub> cartridge detonator systems fill this section. Acceptable repair of the buoyancy compensator bladder is also discussed.

#### PRR - 8 Regulators • 26.5 clock hours

This subject area is the central focus of the program. Piston and diaphragm first stages are disassembled and interpreted. Trouble areas are identified for several brands of regulators. Second stages worked on include standard downstream designs, diver adjustable models and pilot valves. Combination second stage / power inflators like the AIR II are also repaired. Emphasis is placed on complete repair in a reasonable amount of time.

#### PAE - 9 • Practical Application and Written Exams • 2.5 clock hours

Before graduation the student must repair a malfunctioning regulator system in a specified time. This includes trouble shooting, diagnosis, cleaning and repair. There are also a written exam and one quiz in this subject area.

## Honor Short-Residence Programs: Instructor with Preparatory and DART Program

19 Days - 1 Day Off in Middle of Program

8 Hour Days • 144 Contact Hours • 14.4 CEU's

Approximately 80 Hours of Self Preparation desired

### Minimum Program Prerequisites:

- Certified Diver and Nitrox Diver
- Sixty (60) logged scuba dives experience required before attendance, if you agree to dive at least 12 more dives before certification; or 72 logged scuba dives. Some outside training agencies may require testing review before certification.
- General Entrance Requirements
- Able to pass the Institute's physical and written attendance qualification exams before arrival.

Diploma: Instructor and Diving Accident Response Technician (DART)

Books Required: Self Preparation Material Package

### Program Objective:

To create employable certifiable skills in a certified diver through training and experience in the art of underwater instruction, first aid, CPR and oxygen, and in the art of supervision and rescue of divers.

#### HRO - 1 • Review and Orientation - Open Water - Classroom - Pool • 7 Hours

This subject area includes orientation to the Institute and the city of Marathon. Details concerning the dive vessel, open water environment, pool and classroom etiquette are also covered. An overview and objectives to be reached in this program are outlined. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

#### HAA - 2 • Advanced Academics • 13 Hours

Advanced diving physics, legal aspects, certification agency standards and procedures, physiology, equipment, business, environment, diving techniques, physiology and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. There are ten written examinations on these subjects that must be passed by the end of the program.

#### HSP - 3 • Speech Preparation and Performance • 24 Hours

This subject area is designed to improve the instructor's ability to prepare and present oral academic presentations on diving topics. Basic speech format, content and delivery are reviewed. Correct use of appropriate training aids are discussed. Practice and graded student teaching presentations are given. The student must meet acceptable evaluation criteria for seven oral teaching presentations.

#### HTP - 4 • Student Teaching Psychology • 6 Hours

This subject area includes the psychological aspects of both practical and academic teaching theory. The laws of learning and how they apply to real world of teaching are covered in detail. Students are evaluated throughout the program on properly applying teaching psychology during delivery of academic orals and practical waterwork sessions. One written exam must also be passed on this subject area.

#### HAR - 5 • Instructor Rescue and Accident Management • 4 Hours

In this subject area students learn how to anticipate problems and prevent accidents with their future classes. During this class the student instructor candidate must successfully demonstrate proper in-water rescue technique while maintaining safe class control.

#### HCP - 6 • Course Planning • 3 Hours

As an Instructor, proper course planning is a must skill. This subject area perfects the instructor's ability to build course outlines, properly time out training sessions and predict future events common to dive instruction. Practical evaluation of these skills are conducted throughout the program. Students demonstrate proper team leading, oral delivery and water instruction through proper planning as part of their skill evaluations before final certification.

#### HOP - 7 • Open Water and Pool Problem Solving • 37 Hours

This Instructor subject area is the core of the program. The previously learned water teaching areas are perfected in this section. Skills that the student has refined in performance are now taught to other students in prepared teaching presentations. The student is also evaluated during prepared speeches, open water work and pool teaching assignments. Students must successfully demonstrate mastery of their in-water teaching skills before final certification.

#### HIP - 8 • Instructor Apprenticeship Training • 12 Hours

This subject area is the final practical examination for certification. During this phase of the program, the student teaches ACTUAL open water students. Teaching presentations, demonstrations, instruction and critiques are all performed by the newly trained instructor. This assures that the student is confident and ready to assume the responsibilities of a diving instructor in the real world before graduation.

#### HAE - 9 • Swim - Skin and Scuba Diving - Physical Agility Evaluation • 6 Hours

During this phase of the program, the student practices and performs timed swims and traditional agility skills such as ditch and donns, bailouts and, ditch and recoveries. This subject area is also the final examination for demonstrating physical fitness and in-water agility before certification.

#### HRT - 10 • Diving Accident Response Technician • 32 Hours

Rescue technique, first aid, CPR and basic life support form the nucleus of this subject area. Further subjects include field neurological survey and oxygen administration. Open water SCUBA and skin diving rescues are practiced as well as proper accident management. Six written exams and practical rescues along with practical CPR and O<sub>2</sub> usage must be passed in this section.

## Instructor with Preparatory Program

**15 Days - 1 Day Off in Middle of Program**

**8 Hour Days • 112 Contact Hours • 11.2 CEU's**

**Approximately 80 Hours of Self Preparation desired**

### **Minimum Program Prerequisites:**

- *Certified Rescue and Nitrox Diver*
- *Sixty (60) logged scuba dives experience required before attendance, if you agree to dive at least 19 more dives before certification; or 79 logged scuba dives. Some outside training agencies may require testing review before certification.*
- *Current CPR, First Aid and Oxygen Provider*
- *General Entrance Requirements*
- *Able to pass the Institute's physical and written attendance qualification exams before arrival.*

*Diploma: Instructor*

**Books Required:** Self Preparation Material Package

### **Program Objective:**

To create employable certifiable skills in a certified diver through training and experience in the art of underwater instruction and supervision of divers.

#### **HRO - 1 • Review and Orientation - Open Water - Classroom - Pool • 7 Hours**

This subject area includes orientation to the Institute and the city of Marathon. Details concerning the dive vessel, open water environment, pool and classroom etiquette are also covered. An overview and objectives to be reached in this program are outlined. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

#### **HAA - 2 • Advanced Academics • 13 Hours**

Advanced diving physics, legal aspects, certification agency standards and procedures, physiology, equipment, business, environment, diving techniques, physiology and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. There are ten written examinations on these subjects that must be passed by the end of the program.

#### **HSP - 3 • Speech Preparation and Performance • 24 Hours**

This subject area is designed to improve the instructor's ability to prepare and present oral academic presentations on diving topics. Basic speech format, content and delivery are reviewed. Correct use of appropriate training aids are discussed. Practice and graded student teaching presentations are given. The student must meet acceptable evaluation criteria for seven oral teaching presentations.

#### **HTP - 4 • Student Teaching Psychology • 6 Hours**

This subject area includes the psychological aspects of both practical and academic teaching theory. The laws of learning and how they apply to real world of teaching are covered in detail. Students are evaluated throughout the program on properly applying teaching psychology during delivery of academic orals and practical waterwork sessions. One written exam must also be passed on this subject area.

#### **HAR - 5 • Instructor Rescue and Accident Management • 4 Hours**

In this subject area students learn how to anticipate problems and prevent accidents with their future classes. During this class the student instructor candidate must successfully demonstrate proper in-water rescue technique while maintaining safe class control.

#### **HCP - 6 • Course Planning • 3 Hours**

As an Instructor, proper course planning is a must skill. This subject area perfects the instructor's ability to build course outlines, properly time out training sessions and predict future events common to dive instruction. Practical evaluation of these skills are conducted throughout the program. Students demonstrate proper team leading, oral delivery and water instruction through proper planning as part of their skill evaluations before final certification.

#### **HOP - 7 • Open Water and Pool Problem Solving • 37 Hours**

This Instructor subject area is the core of the program. The previously learned water teaching areas are perfected in this section. Skills that the student has refined in performance are now taught to other students in prepared teaching presentations. The student is also evaluated during prepared speeches, open water work and pool teaching assignments. Students must successfully demonstrate mastery of their in-water teaching skills before final certification.

#### **HIP - 8 • Instructor Apprenticeship Training • 12 Hours**

This subject area is the final practical examination for certification. During this phase of the program, the student teaches ACTUAL open water students. Teaching presentations, demonstrations, instruction and critiques are all performed by the newly trained instructor. This assures that the student is confident and ready to assume the responsibilities of a diving instructor in the real world before graduation.

#### **HAE - 9 • Swim - Skin and Scuba Diving - Physical Agility Evaluation • 6 Hours**

During this phase of the program, the student practices and performs timed swims and traditional agility skills such as ditch and donns, bailouts and, ditch and recoveries. This subject area is also the final examination for demonstrating physical fitness and in-water agility before certification.

## Instructor Program

**10 Days • 8 Hour Days**

**80 Contact Hours • 8 CEU's**

**Approximately 80 Hours of Self Preparation desired**

### **Minimum Program Prerequisites:**

- *Certified Active Divemaster or Assistant Instructor*
- *Certified Rescue Diver*
- *Sixty (60) logged scuba dives experience required before attendance, if you agree to dive at least 25 more dives before certification; or 85 logged scuba dives. Some outside training agencies may require testing review before certification.*
- *Current CPR, First Aid and Oxygen Provider*
- *General Entrance Requirements*
- *Able to pass the Institute's physical and written attendance qualification exams before arrival.*

*Diploma: Instructor*

**Books Required:** Self Preparation Material Package

### **Program Objective:**

To create employable certifiable skills in a certified diver through training and experience in the art of underwater instruction and supervision of divers.

#### **HRO - 1 • Review and Orientation - Open Water - Classroom - Pool • 7 Hours**

This subject area includes orientation to the Institute and the city of Marathon. Details concerning the dive vessel, open water environment, pool and classroom etiquette are also covered. An overview and objectives to be reached in this program are outlined. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

#### **HIA - 2 • Advanced Academics • 9 Hours**

Advanced diving physics, legal aspects, certification agency standards and procedures, physiology, equipment, business, environment, diving techniques, physiology and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the instructor level. There are ten written examinations on these subjects that must be passed by the end of the program.

#### **HPS - 3 • Speech Preparation and Performance • 16 Hours**

This subject area is designed to improve the instructor's ability to prepare and present oral academic presentations on diving topics. Basic speech format, content and delivery are reviewed. Correct use of appropriate training aids are discussed. Practice and graded student teaching presentations are given. The student must meet acceptable evaluation criteria for seven oral teaching presentations.

#### **HTP - 4 • Student Teaching Psychology • 6 Hours**

This subject area includes the psychological aspects of both practical and academic teaching theory. The laws of learning and how they apply to real world of teaching are covered in detail. Students are evaluated throughout the program on properly applying teaching psychology during delivery of academic orals and practical waterwork sessions. One written exam must also be passed on this subject area.

#### **HAR - 5 • Instructor Rescue and Accident Management • 4 Hours**

In this subject area students learn how to anticipate problems and prevent accidents with their future classes. During this class the student instructor candidate must successfully demonstrate proper in-water rescue technique while maintaining safe class control.

#### **HCP - 6 • Course Planning • 3 Hours**

As an Instructor, proper course planning is a must skill. This subject area perfects the instructor's ability to build course outlines, properly time out training sessions and predict future events common to dive instruction. Practical evaluation of these skills are conducted throughout the program. Students demonstrate proper team leading, oral delivery and water instruction through proper planning as part of their skill evaluations before final certification.

#### **HPO - 7 • Open Water and Pool Problem Solving • 23 Hours**

This Instructor subject area is the core of the program. The previously learned water teaching areas are perfected in this section. Skills that the student has refined in performance are now taught to other students in prepared teaching presentations. The student is also evaluated during prepared speeches, open water work and pool teaching assignments. Students must successfully demonstrate mastery of their in-water teaching skills before final certification.

#### **HIP - 8 • Instructor Apprenticeship Training • 12 Hours**

This subject area is the final practical examination for certification. During this phase of the program, the student teaches ACTUAL open water students. Teaching presentations, demonstrations, instruction and critiques are all performed by the newly trained instructor. This assures that the student is confident and ready to assume the responsibilities of a diving instructor in the real world before graduation.

## Divemaster with DART Program

9 Days • 8 Hour Days • 72 Contact Hours • 7.2 CEU's  
Approximately 80 Hours of Self Preparation desired

### Minimum Program Prerequisites:

- Certified Diver
- Sixty (60) logged scuba dives experience required before attendance.
- General Entrance Requirements
- Able to pass the Institute's physical and written attendance qualification exams before arrival.

Diploma: Divemaster and Diving Accident Response Technician (DART)

*This program by itself is more difficult to use in seeking full-time employment than programs containing instructor training.*

**Books Required:** Self Preparation Material Package

**Program Objective:** To create employable certifiable skills in a certified diver through training and experience in the art of supervision, guidance, and rescue of divers.

### HDO - 1 • Review and Orientation - Open Water - Classroom - Pool • 2 Hours

This subject area includes orientation to the Institute and the city of Marathon. Details concerning the dive vessel, open water environment, pool and classroom etiquette are also covered. An overview and objectives to be reached in this program are outlined. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

### HDA - 2 • Advanced Academics • 4 Hours

Advanced diving physics, environment, legal aspects, certification agency standards and procedures, physiology, equipment, leadership, diving techniques, physiology and decompression theory are taught in this subject area. A special study guide and quizzes are employed to assure the student expands basic knowledge to the divemaster level. A divemaster written examination on these subjects must be passed by the end of the program.

### HDE - 3 • Swimming - Skin and Scuba Diving - Physical Agility Evaluation • 10 Hours

During this phase of the program, the student practices and performs timed swims and traditional agility skills such as ditch and donns, bailouts and ditch and recoveries. This subject area is also the final examination for demonstrating physical fitness and in-water agility before certification.

### HDS - 4 • Speech and Leadership Training • 6 Hours

This subject area is designed to improve the divemaster's ability to prepare and present oral dive briefings. Basic speech format, content and delivery are reviewed. Correct use of appropriate aids are discussed. Practice and graded student divemaster oral presentations are given. The student must meet acceptable evaluation criteria for five divemaster oral presentations.

### HDR - 5 • Diving Accident Response Technician • 32 Hours

Rescue technique, first aid, CPR and basic life support form the nucleus of this subject area. Further subjects include field neurological survey and oxygen administration. Open water SCUBA and skin diving rescues are practiced as well as proper accident management. Six written exams and practical rescues along with practical CPR and O<sub>2</sub> usage must be passed in this section.

### HDA - 6 • Apprentice Divemastery on Boat - Deep - Night - Guide - Supervisor • 12 Hours

This subject area includes perfecting the students diving skills to a professional level. Seamanship, organizing and leading dive groups and rigging dive vessels for specialty dives are covered. Oral presentations are practiced. Diving activities are conducted in a variety of environments. Under supervision, the student directs and supervises ACTUAL resort guest divers on reef and wreck dive expeditions. Proficiency in all performance areas must be demonstrated before certification.

### HDS - 7 • Divemastery on Shore • 3 Hours

This subject area develops students abilities to direct and supervise diving activities from a shoreline. Students deliver graded oral presentations as well as supervise shore dives for evaluation.

### HDN - 8 • Advanced Navigation • 3 Hours

Navigating using a compass from a shoreline and boat underwater is practiced. Mapping skills are also covered. Students must navigate grids and triangle patterns successfully for final evaluation. Maps of denoting underwater landmarks are also drawn and as part of final grading.

## Diving Accident Response Technician (DART) Program

4 Days • 8 Hour Days • 32 Contact Hours • 3.2 CEU's  
Approximately 20 Hours of Self Preparation desired

### Minimum Program Prerequisites:

- Certified Diver and General Entrance Requirements

*This program by itself is usually not employable.*

Diploma: Diving Accident Response Technician (DART)

**Books Required:** Institute DART Preparation Package

### Program Objective:

To create employable, certifiable skills in a certified diver through training and experience in the art of rescue and accident management of divers.

### HOR - 1 • Review and Orientation - Open Water - Classroom - Pool • 2 Hours

This subject area includes orientation to the Institute and the city of Marathon. Details concerning the dive vessel, open water environment, pool and classroom etiquette are also covered. An overview and objectives to be reached in this program are outlined. Room rules and regulations, eating establishments and laundry facilities are also shown. Periodic reviews of your progress are conducted throughout the program.

### HRA - 2 • Accident Management with First Aid - CPR • 15 Hours

First aid, CPR (Cardiopulmonary Resuscitation) and basic life support form the nucleus of this subject area. Proper accident management is practiced as well. Two written exams along with practical Accident Management and CPR performance must be passed in this section.

### HRN - 3 • Field Neurological Survey • 4 Hours

This subject area covers performing timed neurological symptom change surveys during first aid, CPR or O<sub>2</sub> administration. Surveys provide better diagnostic information for treating personnel. Some written exam questions for this assessment are included in the O<sub>2</sub> written exam. Students must pass a practical "hands on" test as well.

### HRO - 4 • Oxygen Administration • 4 Hours

This subject area covers the proper administration of oxygen in a diving accident environment. Also covered are the equipment, association standards of care and the laws regarding the administration of oxygen. A written exam along with practical oxygen management must be passed in this section.

### HRR - 5 • Rescues Open Water • 7 Hours

Proper in-water rescue techniques form the nucleus of this subject area. Open water SCUBA and skin diving rescues including simulated mouth-to-mouth in-water resuscitation are practiced. A written exam and four practical rescue stress scenarios must be passed in this section.