



ProTech Scuba

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Technical Diving Courses Fact Sheet

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At ProTech Scuba LLC the instructional quality of our classes will not be surpassed; certification cannot be purchased, it must be earned. Take the plunge and purchase your training today.

TDI Nitrox (\$199)

This is the entry level certification course for recreational divers wishing to utilize enriched air nitrox (EAN) as a breathing gas and wanting to possibly continue on with other tech courses. The objective of this course is to train divers in the benefits, hazards and proper procedures for using nitrox mixes from 22% to 40% oxygen content. Content includes working formulas for equivalent air depth, maximum operating depth, oxygen exposure and best mix, as well as learning to plan for nitrox dives. This course is available immediately for anyone wishing to register.

TDI Intro to Tech (\$299)

The Introduction to Technical Diving Course (Intro to Tech) is designed as a bridge from the recreational sport diver to an introduction to the rigors and discipline of technical diving, and is a great preparatory course if you are considering technical diver training or are interested in streamlining your equipment configuration. This course is designed as an introductory course to the TDI Advanced Nitrox and the TDI Decompression Procedures courses. The objective of this course is to familiarize students with technical gear configurations, to enhance open water diving skills (such as buoyancy, trim, and situational awareness), and to introduce students to advanced gas planning techniques within a no-decompression context. This course is strictly a no-decompression course; students are permitted to use Enriched Air Nitrox to the level they are certified. The Intro to Tech course is your first step to a whole new world of technical diving! Course takes approximately 2 days: one classroom, 3 dives.

TDI Technical Sidemount (\$299)

This course is designed to teach certified divers how to safely utilize sidemounted primary cylinders as an alternative to the traditional back-mounted configuration. This course can be combined with other TDI courses such as: Decompression Procedures, Extended Range, Trimix, Advanced Trimix and Advanced Wreck. If combined the standards for both courses must be met.

SDI Equipment Specialist (\$199)

Learning how your equipment functions, as well as how to make field repairs is essential for the technical diver. This course will take you through the service and repair of ALL of the equipment necessary to make your dives successful. Students can bring to class their personal gear to service during the lab portion of the class.

SDI Visual Tank Inspection (\$249)

Learning how to inspect your own scuba cylinders can save you hundreds of dollars annually, depending on how many tanks you own. Successfully passing this course can put you in a situation where you can inspect your own cylinders and save you money. This course covers the critical steps in visual inspection and students must successfully inspect three cylinders.

TDI Nitrox Gas Blender (\$249 + Lab Fee)

This course provides the training required to allow candidates to competently and safely blend nitrox gas. The objective of this course is to train candidates in the proper techniques, equipment requirements and hazards involved in blending nitrox gases for recreational scuba. Oxygen cleaning techniques for scuba cylinders will also be covered during this course. Students must successfully blend 5 nitrox cylinders.

TDI Advanced Gas Blender (\$249 + Lab Fee)

This course enables the successful candidate to engage in the blending of oxygen and helium-based gases. The objective of this course is to train candidates in the proper procedures needed for the preparation and blending of high-quality nitrox and trimix gases for use in technical diving. Students must successfully blend 5 nitrox and 3 trimix cylinders.

TDI Advanced Nitrox (\$399)

Graduates are able to manage high-test nitrox (40% plus) including pure oxygen responsibly, paying attention to special equipment and component requirements, handling considerations, and cylinder markings. They are able to grasp the concept and importance of Central Nervous System oxygen toxicity tracking -- (CNS clock) – have the ability to calculate MOD's without reference to tables for different ppO₂ and FO₂s; and have been introduced to the criteria for “advanced nitrox” equipment selection and configuration. Course takes approximately 4 days: one classroom, 4-6 dives and can be combined with TDI's Helitrox or Decompression Procedures.

TDI Helitrox/Decompression Procedures (\$399)

Graduates are able to make informed decisions to undertake dives outside the NDLs (as per US Navy and DCIEM tables) and manage the increased risks associated with these dives based on best practice information, limitations of training, limitations of knowledge and “objective” assessment of personal limitations. They leave this class with a basic understanding of staged decompression practice (ascent behavior) and decompression theory. They should understand the concept and constraints of staged decompression obligation; the use of multiple gases to optimize a decompression schedule; advanced equipment selection and clean gear configuration (since deco diving is overhead environment diving). In addition, they should be versed in basic contingency planning with particular focus on overhead gas management techniques. (Helitrox: breathing gas mixtures contain less than 20% Helium (+/-5%) and/or more than 21% oxygen (+/- 1%)). Course takes approximately 4 days: one classroom, 4-6 dives and can be combined with TDI's Advanced Nitrox.

TDI Extended Range (\$599)

Graduates are able to make dives requiring long decompression stops and needing expedition quality contingency planning. They are comfortable making advanced equipment selection and know how to configure and manage additional gear to function well on long dives in local conditions. This gear will include two sling/stage cylinders containing decompression gases. Course takes approximately 3 days: one classroom, 4-6 dives and can be combined with TDI's Deco Procedures or Advance Wreck.

TDI Extended Range/Trimix (\$749)

Graduates are able to make dives requiring long decompression stops and needing expedition quality contingency plans. They are comfortable making advanced equipment selection and know how to configure and manage additional gear to function well on long dives in local conditions. This gear may include two sling/stage cylinders containing decompression gases. They also fully understand in-water behaviors dictated by use of helium in breathing mixes; are competent using complex gas management calculations and have the ability to create, manage and modify complex decompression schedules and apply them as appropriate to the dive conditions. Graduates should also be familiar with the correct procedures for using a helium/oxygen analyzer. Course takes approximately 3 days: one classroom, 4-6 dives.

TDI Hollis Prism 2 Rebreather Courses (Call for Prices)

Air Diluent (on the Hollis Prism 2) is the entry level certification course for divers wishing to utilize a closed-circuit rebreather (CCR) for air diving. The objective of the course is to train divers in the benefits, hazards and proper procedures for diving a CCR and to develop basic CCR diving skills to a maximum depth of 30 metres / 100 feet, using air as a diluent. No decompression diving is allowed on this course. This course takes approximately 5 days: two classroom sessions, 1 pool and 7 dives.

Air Diluent Decompression (on the Hollis Prism 2) is the second level certification course for divers wishing to utilize a closed-circuit rebreather (CCR) for air diving. The objective of the course is to train divers in the benefits, hazards and proper procedures for diving a CCR and to develop basic CCR diving skills to a maximum depth of 40 metres / 130 feet using an air diluent for formal decompression diving. This course takes approximately 5 days: two classroom sessions, 1 pool and 7 dives.

Helitrox Diluent (on the Hollis Prism 2) is the second entry level certification course for divers wishing to utilize a closed-circuit rebreather (CCR) for mixed gas diving using a Helitrox diluent. The objective of the course is to train divers in the benefits, hazards and proper procedures for diving a CCR and to develop basic CCR diving skills, to a maximum of 45 metres / 150 feet, using an air/nitrox/helium diluent for formal decompression diving. Student are permitted to utilize a diluent and bailout mix with no greater than a 35% helium content (+/- 5%) and no less than a 21% oxygen content and are permitted to use up to 100% oxygen for decompression. This course takes approximately 6 days: two classroom sessions, 1 pool and 7 dives.

TDI Advanced Wreck Diving/Wreck Penetration (\$949)

Graduates are able to conduct penetration dives (overhead environment dives) in wrecks using reels and lines with confidence, and have the ability to plan, execute and develop contingency plans for dives in marginal conditions -- poor visibility, harsh surface conditions, cold water and/or low visibility for example. Graduates should also be able to recognize and use navigational landmarks on steel and wooden wrecks, and be confident deploying and surfacing on emergency ascent lines (fixed and drifting). Course takes approximately 6 days: two classroom sessions, 8-10 dives and can be combined with TDI's Deco Procedures or Extended Range courses. (SDI Wreck with limited penetration is also available (non-technical class) \$295)

TDI Technical Divemaster (\$899)

This course is the third stage of training in the series of TDI programs. As a TDI Divemaster you will be able to plan, organize and supervise Technical dives in the disciplines you are trained to dive in. Training will include advanced dive planning and supervision. (The above fee is reduced for current SDI Divemasters.)

TDI Technical Instructor (Call for Prices, varies per course)

To become a TDI Technical Instructor for that course, simply double the diver rate shown above. Instructor Candidate must pass all of the skills in the course with demonstration quality. Additionally, the Instructor Candidate must teach a minimum of three open water skills and pass two subject area academic presentations. Price does not include instructor expenses, trip/boat, gases or upgrade fee(s).

Equipment List: Go to www.protechscuba.com/pdf/techequipment.pdf