

DSAT Tec Trimix Diver

The DSAT Tec Trimix Diver Course

For the extreme diver ready to further explore the world of technical deep diving, the gas of choice is trimix – a blend of oxygen, helium and nitrogen.

The DSAT Tec Trimix Diver course takes you to the outer edges of technical deep diving, opening the door to pristine dive sites few divers – if any – ever see.



Get College Credit

You may be able to earn [college credit for the DSAT Tec Trimix Diver Course](#).



What You Learn

The DSAT Tec Trimix Diver course is intended to extend the depth range of technical divers already trained and qualified to use air, [enriched air](#) and oxygen for technical decompression dives beyond 50 metres / 165 feet. Diving with trimix is the outer edge of tec diving – the maximum depth for using this technology has yet to be defined.

This course is for [DSAT Tec Deep Divers](#) (or those holding a qualifying certification from another training organization). The course extends your depth range capabilities by training you to use trimix (a blend of helium, oxygen and nitrogen).

You will

- Plan and execute at least five trimix decompression dives using various trimix blends
- Use decompression software to create custom dive tables and dive plans
- Make training dives as deep as 75 metres/245 feet

The Scuba Gear You Use

- Double [cylinders](#) (minimum 12 litre/70 cubic feet each, with larger preferred) with isolator manifold
- Primary and secondary [regulators](#), one with two metre/seven foot hose (approximately) for gas sharing, and one with SPG
- Stage/decompression [cylinders](#) with [regulator](#), SPG, mounting hardware and proper labeling/markings. Two per diver will be required
- Backup decompression [cylinders](#) as appropriate and required for the environment

- [BCD](#) and harness – redundant buoyancy control is required (double bladder BCD or [dry suit](#) if suitable for weight of equipment worn)
- [Depth gauge/computer](#) and backup depth gauge/computer
- [Timing device](#) and backup timing device
- Trimix decompression information (tables/trimix computer) and backup decompression information
- [Exposure suit](#) appropriate for environment and dive duration. (If you use a [dry suit](#), you should be trained/experienced with its use in recreational and technical diving prior to using it for trimix training or diving.)
- Argon [dry suit](#) inflation or other inflation system as needed
- [Weight system](#) (if needed)
- Jon line (if needed for current diving environments)
- Inflatable signal tube
- Reel
- Lift bag (bright yellow or per local community practice preferred)
- [Dive knife / cutting device](#) and backup slate, backup [mask](#) (optional)
- Compass, lights (optional)
- Drift kit (if drift decompressing)

The Learning Materials You Need

DSAT Tec Trimix Diver Crew- Pak

The Tec Trimix Diver Crew-Pak includes all required materials, including: manual, deep stop calculation table, trimix decal and emergency procedures slate.



Topics covered include:

- * Trimix diving depth ranges
- * Exposure planning
- * Selecting a mix
- * Argon inflation systems
- * Handling three or four decompression cylinders
- * Decompression models
- * Emergency procedures
- * Face masks and multi-gas computers.

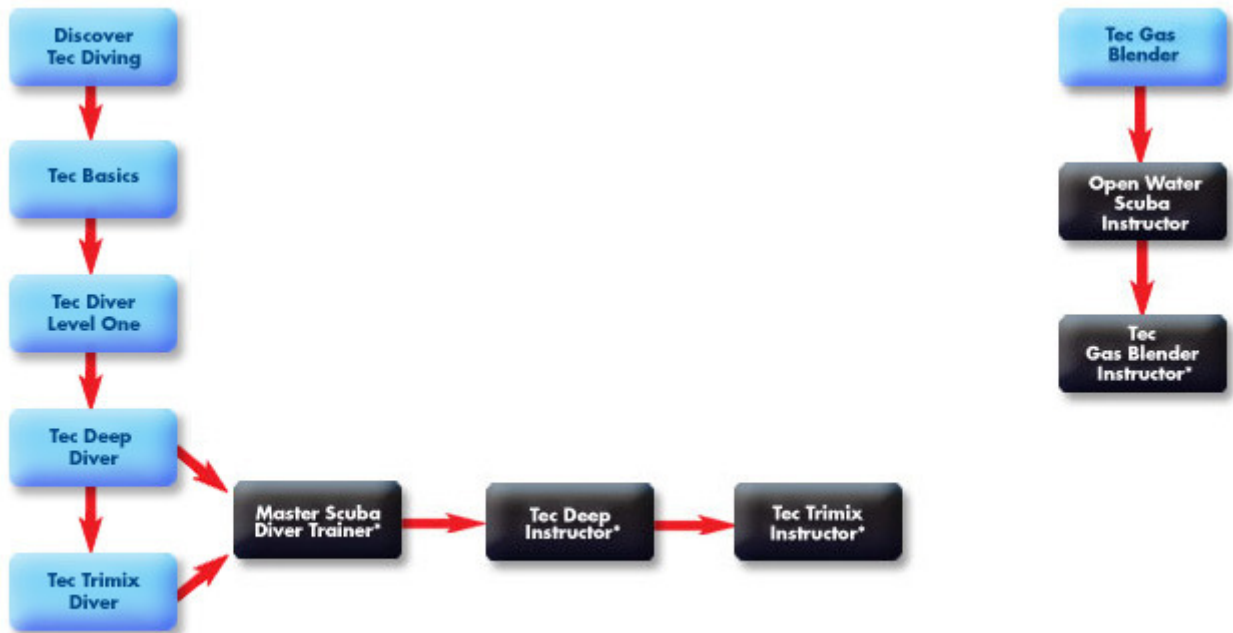
To purchase this product, contact your local PADI Instructor, [dive shop or resort](#).

Prerequisites

You must

- Be a [PADI Rescue Diver](#) (or hold a qualifying certification from another organization and having proof of CPR and first aid training with the previous two years).
- Be certified as a [DSAT Tec Deep Diver](#)

- Be at least 18 years old
- Have logged at least 150 dives
- Have a [medical form](#) signed by your physician.



*Additional prerequisites required