

1. Course Overview Matrix

1.1 All Courses

	Course Name	Minimum Age	Number of Required Dives	Student to Instructor Ratio	Prerequisite Certification and Dives
3	Technical Divemaster	18	4 dives with a minimum accumulated bottom time of 100 minutes	4 to 1	SDI Divemaster, current CPR and first aid certification, medical examination, proof of 50 logged open water dives, technical diver certification
4	Non-Diving Instructor	21	N/A	N/A	See course description
5	Intro to Tech Instructor	18	4 dives with a minimum accumulated bottom time of 100 minutes	4 to 1	SDI Open Water Scuba Instructor, Advanced Nitrox diver, Decompression Procedures diver
6	Nitrox Instructor	18	None 2 dives recommended	N/A	Open water instructor Nitrox certification 10 logged nitrox dives
7	Advanced Nitrox instructor	18	4 dives and 100 minutes bottom time All 4 deeper than 23 m / 75 ft 2 dive deeper than 30 m /100 ft	6 to 1	Nitrox instructor, Advanced Nitrox diver, 25 logged nitrox dives
8	Decompression Procedures Instructor	18	4 dives 100 minutes bottom time	4 to 1	Advanced nitrox instructor, Decompression Procedures diver, 150 logged dives
9	Extended Range Instructor	21	4 dives all deeper than 30 m /100 ft 2 dives deeper than 40 m /130 ft	4 to 1	Extended Range diver certification, Advanced Nitrox instructor, Decompression Procedures instructor and 25 extended range dives and issued 10 student certifications for Adv. Nitrox and Deco. Procedures, minimum of 5 must be Deco. Procedures

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10	Helitrox	21	4 dives minimum of 100 minutes bottom time	4 to 1	Trimix or Helitrox diver, Advanced Nitrox and Decompression Procedures instructor
11	Advanced Wreck Instructor	21	6 dives and 100 minutes bottom time	4 to 1	Decompression procedures diver certification, advanced wreck diver certification and advanced nitrox instructor – 200 logged dives with 50 logged as wreck dives and 25 penetration wreck dives
12	Trimix Instructor	21	4 dives 2 deeper than 45 m/150 ft 100 minutes bottom time	4 to 1	Trimix diver certification, Advanced Nitrox instructor, Decompression Procedures instructor, 250 logged dives 20 logged Trimix dives
13	Advanced Trimix Instructor	21	4 Dives with a minimum accumulated bottom time of 100 minutes 2 dives must be deeper than 70 m/230 ft	4 to 1	Minimum certification as a TDI Advanced Trimix Diver, TDI Extended Range Instructor or TDI Trimix Instructor or equivalent, proof of 250 logged dives 30 of those dives with Trimix and 20 dives deeper than 55 m/180 ft
14	Gas Blender	21	N/A	N/A	Nitrox gas blender
15	Advanced gas Blender Instructor	21	N/A	N/A	Advanced gas blender, Nitrox gas blender instructor
16	Oxygen (O ₂) Equipment Services Technician Instructor	21	N/A	N/A	TDI Services Technician Proof of VIP certification and repair certification
17	Cavern instructor	21	2 dives	3 to 1	Nitrox instructor Full cave diver certification 100 logged cave dives
18	Introduction to Cave Instructor	21	2 dives	3 to 1	Cavern instructor 150 logged cave dives
19	Cave Instructor	21	2 dives	3 to 1	Intro to cave instructor 200 logged cave dives
20	Semi-Closed Rebreather Instructor	18	4 dives	6 to 1	Rebreather diver, nitrox instructor 10 rebreather logged dives



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21	KISS GEM Level 1 Instructor	18	5 dives with a minimum accumulated bottom time of 200 minutes	4 to 1	TDI KISS GEM Level 1 Diver, TDI Nitrox Instructor, or equivalent 200 logged dives, 50 using nitrox Assist with at least 1 TDI KISS GEM diver course 50 logged rebreather dives on approved units, with 50 accumulated hours 25 dives and 25 hours on KISS GEM
22	KISS GEM Sidekick Instructor	21	5 dives with a minimum accumulated bottom time of 200 minutes	4 to 1	TDI KISS GEM Level 1 Diver TDI Nitrox Instructor, or equivalent 200 logged dives, 50 using nitrox Assist with at least 1 TDI KISS GEM Sidekick diver course 50 logged rebreather dives on approved units, with 50 accumulated hours 25 dives and 25 hours on KISS GEM
23	Air Diluent CCR Instructor - Unit Specific	21	4 dives	4 to 1	Proof of 100 unit specific dives 250 verified logged dives with 100 on nitrox TDI Unit Specific Diver, Advanced Nitrox instructor
24	Air Diluent CCR Decompression Procedures Instructor - Unit Specific	21	4 dives	4 to 1	Proof of 100 unit specific dives, 250 verified logged dives with 100 on nitrox TDI Unit Specific Diver certification or equivalent TDI Adv. Nitrox and Deco Proc Instructor
25	Mixed Gas CCR Instructor Unit Specific	21	4 dives	2 to 1	TDI Air Diluent CCR Deco Proc Instructor with 15 students taught and one year teaching experience on the unit specific CCR
26	Advanced Mixed Gas CCR Instructor Unit Specific	21	4 dives	2 to 1	TDI Mixed Gas CCR Instructor with 10 mixed gas students taught and one year teaching experience on the unit specific CCR, 30 mixed gas dives on the unit specific rebreather with 15 logged beyond 65m/215ft



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27	Closed Circuit Rebreather Instructor Air Diluent Poseidon Discovery MK VI / SE7EN	21	4 dives minimum 240 minute	4 to 1	SDI OWSDI or equivalent for 1 year TDI MK VI / SE7EN Diver TDI Nitrox Instructor 250 logged dives with 100 nitrox 50 Poseidon MK VI / SE7EN dives with a minimum of 50 hours
28	Closed Circuit Rebreather Decompression Procedures Instructor Poseidon Discovery MK VI / SE7EN	21	4 dives minimum 240 minute	2 to 1	TDI MK VI / SE7EN Diver, TDI Advanced Nitrox Instructor TDI Decompression Procedures Instructor 250 logged dives with 100 nitrox 100 Poseidon MK VI / SE7EN dives with a minimum of 100 hours over 1 year Assist with a Poseidon Discovery CCR Air Diluent Deco Procedures Diver program
29	Helitrox Deco Closed Circuit Rebreather Instructor Poseidon Discovery MK VI / SE7EN	21	4 dives	2 to 1	TDI MK VI/SE7EN Air Diluent Decompression Instructor 1 year teaching Poseidon Discovery MK VI / SE7EN CCR programs 30 logged CCR dives with at least 15 deeper than 35 metres / 115 feet
30	Explorer Rebreather Instructor	18	4 dives with a minimum of 100 minutes	6 to 1	TDI Explorer Diver TDI Nitrox Instructor or equivalent 100 logged dives at least 50 using nitrox Proof of 25 logged dives (30 accumulated hours) using the Explorer unit Assist with one complete Explorer rebreather diver course Current TDI SCR or CCR Instructors provide 10 verified logged Explorer rebreather dives with minimum 15 accumulated hours



31	Rebreather Full Cave Diver Instructor	21	Participate in 2 each supervised TDI Rebreather Cavern, Introductory to Cave and Full Cave dives	3 to 1	Scuba Instructor for 2 years TDI Rebreather Full Cave Diver or equivalent 200 Full cave dives, 100 must be with rebreather TDI CCR ADDP Instructor or equivalent 1 year rebreather teaching experience Issued 25 rebreather diver certs at any level, Assisted with 3 courses each of the three levels of the TDI Rebreather Cave training Recommended by a TDI Rebreather Cave Instructor
32	Instructor Trainer	21	N/A		See Course Description

1.2 Rebreather Training Courses

TDI offers training on the following CCR units:

Unit	Air Diluent	Air Diluent Decompression	Helitrox	Mixed Gas	Advanced Mixed Gas
Copis	✓	✓	✓	✓	✓
Defender	✓	✓	✓	✓	✓
Discovery MK VI / SE7EN	✓	✓	✓	✓	✓ (SE7EN only)
Evolution	✓	✓	✓	✓	✓
Hammerhead	✓	✓	✓	✓	✓
Hollis Explorer	✓	--	--	--	--
Inspiration	✓	✓	✓	✓	✓
JJ	✓	✓	✓	✓	✓
KISS	✓	✓	✓	✓	✓
Liberty	✓	✓	✓	✓	✓

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Mark 15	✓	✓	✓	✓	✓
Megalodon	✓	✓	✓	✓	✓
Optima	✓	✓	✓	✓	✓
Ouroboros	✓	✓	✓	✓	✓
Pathfinder	✓	✓	✓	✓	--
Prism Topaz / Prism2	✓	✓	✓	✓	✓
Pelagian	✓	✓	✓	✓	✓
rEvo	✓	✓	✓	✓	✓
Sentinel	✓	✓	✓	✓	✓
SF2	✓	✓	✓	✓	✓
Submatix 100	✓	✓	✓	✓	✓
Titan	✓	✓	✓	✓	✓
Triton	✓	✓	✓	✓	✓

The air diluent, air diluent decompression procedures, mixed gas and advanced mixed gas CCR instructor course standards contained in this manual are unit specific to the above CCRs.

