

International, interdisciplinary European Scientific Diving Training Course 2025

Course description

In 2025, the Alfred Wegener Institute **Centre for Scientific Diving** (CSD) in cooperation with the **Laboratoire d'Océanographie de Villefranche**, the training facility **Teraqua** and the Scientific Diving Centre at **Leibniz Centre for Tropical Marine Research (ZMT)** offer an **international, interdisciplinary course "European Scientific Diver"** within the framework of the ESD regulations.

The course includes an intense training in professional diving skills for scientific purposes and ends with a theoretical and practical examination by the "German Examination Board for Scientific Divers" (Deutsche Prüfungskommission für Forschungstaucher).

The course is divided into three parts: (1) theory seminars, (2) Training phase (theory and praxis) and (3) exam preparation phase (theory, praxis and examination). In the theory seminars all aspects of scientific diving: law, medicine, physics, technology and practice are presented and deepened. In the training phase, the basics of scientific diving and different scientific working techniques are taught. In the exam preparation phase, the execution of more complex scientific working techniques under water is taught and discussed. Directly after this phase, the 2-day examination takes place.

Theory seminars:

- A total of 14 online theory units, starting in January 2025.
- Taught across centres in weekly 1.5-hour webinars accompanied by e-learning seminars

Training Phase 1:

- The training phase takes place in a 14-day block course from 07.04.2025 to 17.04.2025 either at the **Laboratoire d'Océanographie de Villefranche** (near Nice) or at **CSD on Helgoland**.

Training phase 2:

- The exam preparation phase will take place jointly for all participants at **CSD on Helgoland** from 07.07 - 22.07.2025.

Examination:

- The professional examination by the "German Examination Board for Scientific Divers" will take place at CSD on Helgoland from 23.07 to 24.07.2025.

Entry requirements for course participation

- 1) Being a master or PhD student, a postdoctoral fellow, a scientist or a technician in an aquatic science discipline.
- 2) Holding a valid recreational dive certificate on at least the level of CMAS**/VDST T2 (Silver) or equivalent.
- 3) Proof of at least 70 open water dives with a total dive time of at least 30 h, of which at least 10 dives are deeper than 15m and 5 dives deeper than 25m.
- 4) Proof of experience in diving with a dry suit (15+ logged dives).
- 5) Valid health examination for diving at work according to the respective countries' health and work environment legislations¹ (e.g. German G31).
- 6) Full diving equipment incl. dry suit except for tanks and weight belts. In case parts of the equipment are not available, please contact the course coordinator.
- 7) Documented proof of CPR training¹ no older than a year at the time of final examination by an official aid organisation (e.g. red cross).
- 8) Documented certification of "life guard" level 2 or a comparable recognized international pool life-guard training¹.
- 9) Passing a practical and theoretical competence test on level CMAS**.

Application

Applications with a letter of motivation and a diving curriculum vitae should be sent to esd2025@scientific-diving.eu by 05.11.2024 at the latest.

Written proof of access requirements 1 and 2 must be available at the beginning of the course at the time the participation agreement is signed (November 2024). Written proof of access requirements 2-8 must be submitted at the beginning of the training phase.

Course fees

The course fee is staggered according to the occupation of the applicant.

- Students (with proof of matriculation) or unemployed persons: 900 Euros
- Employees of scientific institutes and universities: 1300 €
- Employees of other companies: 1600 €

The course fee includes the use of the infrastructure (bench fees, boat use and equipment) at the respective training locations as well as the BG examination and ESD certification fees. Travel expenses, accommodation and meals at neither location are not included in the course fee.

Further information on the training facilities and scientific diving in Germany and Europe:

- www.forschungstauchen-deutschland.de
- <https://www.awi.de/en/science/special-groups/scientific-diving.html>
- <https://www.leibniz-zmt.de/de/forschung-infrastruktur/forschungstauchzentrum.html>
- <http://www.teraqua-ausbildungsbetrieb.de/>
- <https://lov.imev-mer.fr/web/>

¹ Because there are no „European“ certificates for CPR, „Life-guard level 2“ and „Professional diver health examination“, the respective national certificates are accepted if they are equivalent to the German certificates. In case of questions if a national certificate is accepted as equivalent please contact esd2025@scientific-diving.eu