



Interuniversity Official **Master's** degree

AQUACULTURE

<https://www.usc.gal/gl/estudos/masteres/ciencias/master-universitario-acuicultura/web-propia>

General information

Coordinator University	Univ. Santiago de Compostela
Co-responsible Universities	Univ. A Coruña and Univ. of Vigo
Teaching period	1,5 courses
Number of credits	90 ECTS
Number of offered vacancies	30 in total (10 in UVigo)

Course 2026-2027

Information in UVigo

Coordinator in the University of Vigo
Marta Conde Seira
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Structure (90 ECTS in 3 terms:1,5 years)

For obtaining the degree of "**MASTER in AQUACULTURE**" the students will have to pass 90 credits ECTS: 30 credits ECTS of mandatory module + 30 credits ECTS of speciality subjects + 30 credits ECTS End-of-master Projects module.

The students that have at least 18 credits ECTS in the aquatic production speciality (including the subjects "**culture** of microalgae and **zooplankton**", "**disease diagnostics**", "**water** quality and **management**" and "**aquaculture farm management**"), and carry out their End-of-master Project as "**enterprise internships**" they will get the degree of "**MASTER in AQUACULTURE**, speciality in **AQUATIC PRODUCTION**".

The students that have at least 18 credits ECTS in the speciality of Biotechnology in aquaculture (including the subject ". Experimental design and data **analysis**") and carry out their End-of-master Project as "**introduction to research**" they will get the degree of "**MASTER in AQUACULTURE**, speciality in **BIOTECHNOLOGY in AQUACULTURE**".

MANDATORY MODULE (30 ECTS)

1st Year, 1st Term (Afternoons: 16-20h)

Subject	ECTS
Introduction to Aquaculture	3
Biology of cultured Algae	3
Physiology of Cultured Aquatic Animals	3
Genetics Applied to Aquaculture	6
Immunology of cultured animals	3
Pathology in aquaculture	3
Feeding and Nutrition	6
Biology of cultured aquatic animals	3

Speciality in BIOTECHNOLOGY IN AQUACULTURE

Research orientation (30 ECTS)

1st Year, 2nd Term (mornings: 10-14h)

Subject	ECTS
Genetic improvement	3
Management of genetic resources	3
Structural and functional genomics	3
Biotechnological applications in aquaculture	6
Development of tools for prevention and control	3
Tools for epidemiological analysis	3
Experimental design and data analysis	3
Phylogenetical analysis	3

Speciality in AQUACULTURE PRODUCTION Professional Orientation (30 ECTS)

1st Year, 2nd Term (afternoons: 16-20h)

Subject	ECTS
Culture of seaweeds	3
Culture of microalgae and zooplankton	3
Culture of fish	6
Culture of bivalve molluscs	6
Culture of other invertebrates	3
Disease diagnostics	6
Water quality and management	3
Toxicology and toxic tides	3
Aquaculture farm management	3
Quality, processing, and traceability	3

END-OF-MASTER PROJECT MODULE (30 ECTS) 2nd Year, 1st Term

Subject	ECTS
End-of-master Project (mandatory)	6
Company Internships (optative) Professional Orientation in: Pescanova, Acuinova, Stolt sea Farm, Isidro de la Cal, Cluster de Acuicultura, Acuario A Coruña, etc	24
Introduction to research (optative) Research Approach in: University laboratories, CSIC, IEO, CIMA. Etc	24
Development of novel project (optative)	24



Objectives

To provide the students the basic knowledge, skills and abilities that allow the students to design and carry out the labour and research activity in the aquaculture field. They will learn to design, manage and control different types of continental and marine aquatic facilities, evaluate their environmental impact and answer the R+D+i necessities by introducing strategies that allow the future development of the aquatic industry.



Teaching organization

Lectures/seminars/conferences

- Teachers from University of A Coruña, Santiago de Compostela and Vigo.
- In-person classes combined with videoconferencing among the three campuses.
- Students always attend classes at the university where they are enrolled.
- Neither students nor faculty need to travel for classroom instruction.

Classrooms with videoconference

University of Vigo
Faculty of Biology (Classroom 8, video conference 3)

University of Santiago
Institute of Aquaculture (mornings) and Faculty of Biology (afternoons)

University of A Coruña
Faculty of Sciences

External teachers

Specialists from the following organizations are participating: IEO, CSIC, IGAFA, CIMA, companies in the sector, and other research organizations.

Practical classes

Practical classes take place at: universities, research centers, or companies. In this case, students do travel to the practical classes site.



Inscription and enrollment schedule (Course 2026-2027) in UVigo (10 vacancies)

<https://www.uvigo.gal/es/estudiar/gestiones-estudiantes/matriculate/matricula-masteres>

Application deadline for students with qualifying degrees from outside the EEES:

March 11–April 8: Pre-registration
April 23: Admitted provisional list
April 24–27: Complaints
May 5: Admitted final list
May 6–8: Enrollment confirmation

Registration Period 1 (all other new students):

June 22– July 6: Pre-registration
July 16: Admitted provisional list
July 17–19: Complaints
July 22: Admitted final list
July 23–27: Enrollment confirmation

Registration Period 2 (all other new students)

August 25–29: Pre-registration
September 3: Admitted provisional list
September 4–6: Complaints
September 9: Admitted final list
September 10–14: Enrollment confirmation



Schedule

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First term

⌚ 16:00–20:00 h

Two sessions a day:

16:00–18:00 h

18:00–20:00 h

Second term

Specialization in Biotechnology: ⌚ 10:00–14:00 h

Specialization in Production: ⌚ 16:00–20:00 h

The subjects are taught sequentially:

☐ Theoretical instruction (each course consists of 2-hour sessions held every other day).

☐ Practical classes.

 Assessment (exams).

→ Start of the next set of subjects.



Admission profile

Priority: Graduates (Spanish, Europeans from EEES or foreigners) in Biology, Marine Sciences, Veterinary or Environmental Sciences

Others: Graduates (Spanish Europeans from EEES or foreigners) in other degrees of Sciences (Chemistry, Pharmacy, Biotechnology, etc), Technology (Agronomical Engineer, forest engineer, etc) and Health Sciences.