

ADMISSION REQUIREMENTS*

- Holders of bachelor's degree, master's degree or legal equivalent;
- Holders of a relevant academic, scientific or professional curriculum

SELECTION CRITERIA

- ✓ Academic and professional curriculum
- ✓ Statement of intent and motivation
- ✓ Motivation

WORK REGIME

The course is delivered on Friday (9:00 to 18:00) and Saturday morning (9:00 to 13:00). Tutorial classes are considered in post-laboral time (plataform UC-TV)

* It is given the recognition of the subjects of the same degree courses obtained in similar areas and recognized schools.

FUTURE CAREER

- Works in the subsector of construction related to the design, production, execution, supervision and management of construction works with steel or composite structure;
- Participation in multidisciplinary teams in the construction of offshore structures, to support exploration in deep sea;
- Participation in scientific research projects in the area.

ISISE ALSO OFFERS ADVANCED TRAINING IN ADDITIONAL AREAS

- Doctoral Course in Steel and Composite Construction
- European Erasmus Mundus Master in Sustainable Constructions under Natural Hazards and Catastrophic Events
- Master in Urban Fire Safety
- PhD in Fire Safety Engineering



MASTER IN STEEL AND COMPOSITE CONSTRUCTION

6th Edition 2015-2017

NEWS FOR 2015-2017

More courses devoted to the design of offshore structures for the Oil & Gas structures industry

APPLICATIONS

Phase 1 | 16 February to 30 April 2015
Phase 2 | 4 May to 15 July 2015
Phase 3 | 24 August to 5 September 2015
Extra | 15 to 31 October 2015

Online applications at www.uc.pt/go/candidaturas

OBJETIVES

The Master course in Steel and Composite Construction aims to give advanced training in the specialized field of steel and composite construction, developing skills related construction sub-sector with the design, production, execution, supervision and the management of construction works with steel or composite structure.

The cross-cutting nature of the content taught in the course allows obtaining specific concepts in a variety of structural applications such as bridges, buildings, offshore structures, wind towers, etc. In addition, the course provides the theoretical basis for entry potential graduate training (PhD).

In this context, the Master of Steel and Composite Construction provides a solid scientific training, to enable the development of knowledge and skills in the context of research and train people capable of becoming a self learning throughout life and a self-guided mode thus being technological innovators.

ADDITIONAL INFORMATION AND CONTACTS

SUSCOS – Master in Steel and Composite Construction

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STUDY SCHEME

CURRICULAR UNITS

1ST SEMESTER (FROM SEPTEMBER 2015 TO FEBRUARY 2016)

- Seismic Design (6 ECTS)
- Steek Technology, Welding, Fatigue and Brittle Fracture (6 ECTS)
- Conceptual Design of Bridges (6 ECTS)
- Building Design (6 ECTS)
- Design of Sustainable Constructions (6 ECTS)

2ND SEMESTER (FROM FEBRUARY 2016 TO JULY 2016)

- Steel Structures for Offshore and Renewable Energies (6 ECTS)
- Building Design II (6 ECTS)
- Timber Constructions (6 ECTS)
- Analysis and Design for Fire (6 ECTS)
- Design of Cold-form, Aluminium and Stainless Steel (6 ECTS)

3RD SEMESTER (FROM SEPTEMBER 2016 TO FEBRUARY 2017)

- Offshore Structures Design (6 ECTS)
- Rehabilitation and Maintenance of Buildings (6 ECTS)
- Advanced Design of Glass Structures (6 ECTS)
- Dissertation * (12 ECTS)

4TH SEMESTER (FROM FEBRUARY 2017 TO JULY 2017)

- Dissertation *(30 ECTS)

* Dissertation corresponds to a course with 42 ECTS distributed by the 3rd and 4th semesters. Dissertation I (12 ECTS) in the 3rd semester and Dissertation II (30 ECTS) in the 4th semester.

Note: 60 ECTS corresponding to the 1st year (1st and 2nd semester) gives the award of a certificate of Specialization Course in Steel and Composite Construction

COORDINATION

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UNIVERSITY LECTURER

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