The aim of this master is to train scientific experts in Mechanics and Physics high potential fields such as civil engineering structures, coastal engineering, geomechanics or physics of porous media. The master develops around two shared courses: Computation in Civil and coastal Engineering and Mechanics and Physics in Porous Media. Those two academic courses cover a wide spectrum of interests ranging in scale from a pore to a structure.

This international master’s degree in Physics and Simulation in Civil Engineering offers multidisciplinary key courses to achieve an advanced specialist level in the aforementioned fields. It is suited for students planning both an academic or an industrial career and provides the theoretical basis and the practical expertise required to pursue in research or R&D structures or companies.

The master is fully taught in English and is hosted at ISA BTP Engineering School in Anglet (France). ISA BTP is highly recognised by the scientific and the professional communities and certified by ISO-9001 and EUR ACE.

The program is carried out in close collaboration with SIAME and LFCR research laboratories where numerical and experimental practicals will be performed. Students will also benefit from the global research environment and administrative support of the University Pau & Pays Adour, the E2S I-site program and the research federation IPRA.

Organization

* M2 Computations in Coastal and Civil Engineering (CCCE)
* M2 Mechanics and Physics in Porous Media (MPPM)

ECTS credits: 60

Duration: 1 year

Level: Master degree level

Type of education:

* Initial training
* Foreign students
* Ongoing training

Education language: taught in English

Number of students: 10 per course

Internship: mandatory

Teaching starts September 2, 2019