

# STRUCTURAL ANALYSIS

## Department of Strength of Materials and Structural Engineering

### Areas of Research

Advanced Structural Analysis using Numerical and Experimental Methods  
Earthquake Engineering and Structural Dynamics  
Continuum Mechanics  
Finite Element Method  
Manufacturing Processes using simulation and experimental techniques  
Analysis of Composite Structures  
Fluid-Structure Interaction  
Structural and Risk Assessment  
Constitutive modelling of new materials  
Coupled and Multi-Physics Problems

### Admission Requirements

Master in Civil Engineering  
Master in Mechanical Engineering  
Master in Aeronautical Engineering  
Master in Computational Mechanics

Other curriculum and academic profiles are evaluated by the program committee.

### Positions

20 new enrollments every academic year.

### Program Coordinator

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### Program Secretariat

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