University
of Cagliari
Italy

Faculty of Engineering and Architecture

Cagliari

Where we are


LIECHTENSTEIN
SWITZERLAND
AUSTRIA
HUNGARY
Trentino-
Alto Adige
Friuli-
Venezia
Giulia
SLOVENIA
Valle
D'aosta
Lombardy
Veneto
CROATIA
Piedmont
Emilia-Romagna
BOSNIA AND
HERZEGOVINA
FRANCE
Liguria
SAN MARINO
MONACO
Tuscany
Marche
Umbria
SERBIA AND
MONTENEGRO
Corsica
(FR.)
Lzaio
Abruzzo
VATICAN CITY
Rome
Molise
ITALY
Campania
Puglia
Basilicata
Sardinia
Calabria
Sicily
ALGERIA
TUNISIA
MALTA

Where we are


E25
SS131
Quartu
Viale Guglielmo Marconi
Stagno di Molentargius
Cagliari
SS195
Viale Trieste
Via Roma
Viale Armando Diaz
Parco di Monte Urpinu
Medau Su Cramu
Viale dei Pooto
Cagliari – Palermo
Cagliari – Napoli


Italia (Italy)
Cecina
Siena
Piombino
Grosseto
Bastia
Calvi
Terni
Orbetello
Vitèrbo
Tarquinia
Corte
Civitavecchia
Corsica
Ajaccio
Roma
Propriano
Sartène
Velletri
Latina
Bonifacio
La Maddalena
Porto Torres
Olbia
Sassari
Buddusò
Alghero
Siniscola
Macomer
Nuoro
Oristano
Cagliari
Carbonia
Sant'antioco


Via Castelfidardo
Via Peschiera
Via Corito
Via Trubigo
Via Is Mirrionis
Via Montenotte
Via Marengo
Via Is Maglias
Is Mirrionis
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The Gulf of Angels

Poetto
The Beach of Cagliari

"a naked jewel of amber
that unexpectedly opens,
rose-like, in the depths of the wide bay".

D.H. Lawrence *Sea and Sardinia*


St Efisio Festival
May 1st

University of Cagliari

Facts and Figures

- Schools
  - Economics, Law, Political Science
  - Engineering and Architecture
  - Humanities
  - Medicine
  - Pharmacy and Biology
  - Sciences
- Departments: 17
- Students: 30 000
- Foreign students: 500
- Visiting professors: 200

» PhD Courses

- > Philosophy, epistemology and cultural history
- > Physics
- > Civil engineering and architecture
- > Electronic and computer engineering
- > Industrial engineering
- > Mathematics and computer science
- > Molecular medicine
- > Neurosciences
- > Biomedical sciences, nutritional and metabolic deseases
- > Life, environmental and drug sciences
- > Chemical sciences and technologies
- > Earth and environmental sciences and technologies
- > Innovation sciences and technology
- > Economics and business
- > Legal sciences
- > Hystory, cultural heritage and international studies
- > Philological and literary studies

Faculty of Engineering and Architecture

History

- Founded in 1939
  - Mining Engineering
- New courses added in
  - 1950
    - Civil Engineering
  - 1965
    - Chemical and Mechanical Engineering
  - 1974
    - Electrical Engineering
  - 1990
    - Electronic Engineering

Departments

- Civil & Environmental Engineering, and Architecture
- Mechanical, Chemical, and Materials Engineering
- Electrical and Electronic Engineering

Degrees

Organization

- ECTS credit system
  - > 1 credit = 10 hrs classes
- 1st Semester (30 ECTS)
  - > Classes: October-December
  - > Exams: January-February
- 2nd Semester (30 ECTS)
  - > Classes: March-May
  - > Exams: June-July and September

Degree Programs

- Undergraduate Level
  - > Laurea
  - > 3 yrs
  - > Corresponds to a Bachelor of Science
- Graduate Level
  - > Laurea Magistrale
  - > 2 yrs
  - > Corresponds to a Master of Science

Civil & Environmental Engineering, and Architecture

- Undergraduate Programmes
  - > Civil Engineering
  - > Environmental & Land Engineering
- Graduate Programmes
  - > Civil Engineering
  - > Environmental & Land Engineering

Civil Engineering

Undergraduate and Graduate Programmes

- Structural Engineering
- Hydraulic Engineering
- Transports Engineering

Environmental Engineering

Undergraduate and Graduate Programmes

- Environment
  - > Water and Wastewater Treatment
  - > Waste Management
  - > Soil Remediation
- Geo-Engineering
- Regional and Urban Planning

Mechanical, Chemical, and Materials Engineering

- Undergraduate Programmes
  - > Mechanical Engineering
  - > Chemical Engineering
- Graduate Programmes
  - > Mechanical Engineering
  - > Chemical Engineering
  - > Energy Engineering

Mechanical Engineering

Undergraduate and Graduate Programmes

- Power generation
- Combustion engines and turbines
- Robotics
- Materials

Chemical Engineering

Undergraduate and Graduate Programmes

- Materials
- Petroleum
- Process Engineering
- Safety and Risk Management in Industrial Plants
- Energy

Electrical and Electronic Engineering

- Undergraduate Programmes
  - Biomedical Engineering
  - Electrical and Electronic Engineering
- Graduate Programmes
  - Electrical Engineering
  - Electronic Engineering
  - Telecommunication Engineering

Biomedical Engineering

Undergraduate Programme

- Fundamentals of Physiology, Biology, and Pathology.
- Electronics in biomedical engineering
- Materials in biomedical engineering

Electrical Engineering

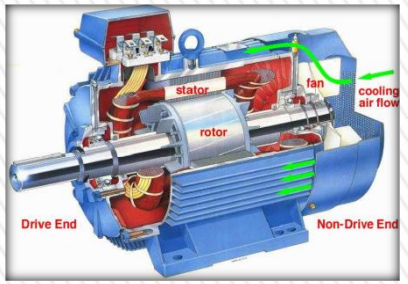
Undergraduate and Graduate Programmes

- Power generation and distribution
  - Smart grid design and management
  - Renewable power generation
- Electrical and Electronic Measurement Systems
  - Measurement for smart grids
  - Measurements for power quality
- Electrical engines, and power electronics
  - Actuators for electrical engines
  - Electromagnetic compatibility in power electronic systems

Electrical Engineering

Undergraduate and Graduate Programmes

- Electrical engines, and power electronics
  - Actuators for electrical engines
  - Electromagnetic compatibility in power electronic systems
- Electrical Engineering
  - Circuits for signal processing
  - Circuits modelling and synthesis



Electronic Engineering

Undergraduate and Graduate Programmes

- Electronic Engineering
  - Digital circuits design
  - Organic Electronics for smart wearable systems
- Control Systems
  - Discrete events systems & hybrid systems
  - Variable structure systems
- Electromagnetic Engineering
  - Antenna design

Electronic Engineering

Undergraduate and Graduate Programmes

- Computer Engineering
  - > Software engineering for open-source software
  - > Bioinformatics
  - > Image classification & retrieval
  - > Biometric authentication
  - > Computer Security
- Telecommunications
  - > Multimedia processing and networking
  - > Architectures in next generation networks

PhD Courses

- Civil Engineering and Architecture
- Electronic and Computer Engineering
- Industrial Engineering