



UNIVERSIDADE
NOVA
DE LISBOA

NOVA SCHOOL OF SCIENCE AND TECHNOLOGY

Lisbon - Portugal

Welcome to NOVA SCHOOL OF SCIENCE AND TECHNOLOGY



7526
STUDENTS



Undergraduate Prog. **4098**
Master Degrees **2837**
Phd Programs **591**



194 STUDY
CYCLES

18 Undergraduate Prog. 
38 Master Degrees 
38 Phd Programs 

Area **65**ha
23 Buildings
Classrooms **150**
420 Laboratories
Study rooms **42**
15 Amphitheatres



14
DEPARTMENTS



578
FACULTY MEMBERS

16
RESEARCH
UNITS



525
RESEARCHERS



37
COMPANIES



+160
SPIN OFFS
AND STARTUPS
INCUBATED IN THE
TECHNOLOGY PARK

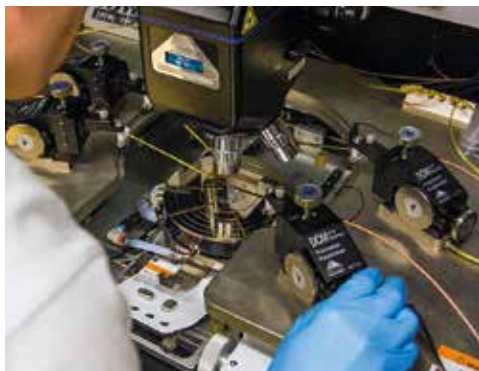


**NOVA is in the top 500
universities in the world**



The Shanghai Ranking was launched in 2003
and is recognized by academia
as one of the most trustworthy.

Why study with us?



Large and prestigious School in Portugal with internationally recognised research activity.

Curricular Profile that provides the **complementary skills** for a better integration into the international job market.

Average annual temperature

21.5 °C (70.7 °F) during the day,
13.5 °C (56.3 °F) at night

Average annual hours of sunshine:

2,806.3 (a year usually has 8760 hours)



Known for the excellent teacher-student relationship.

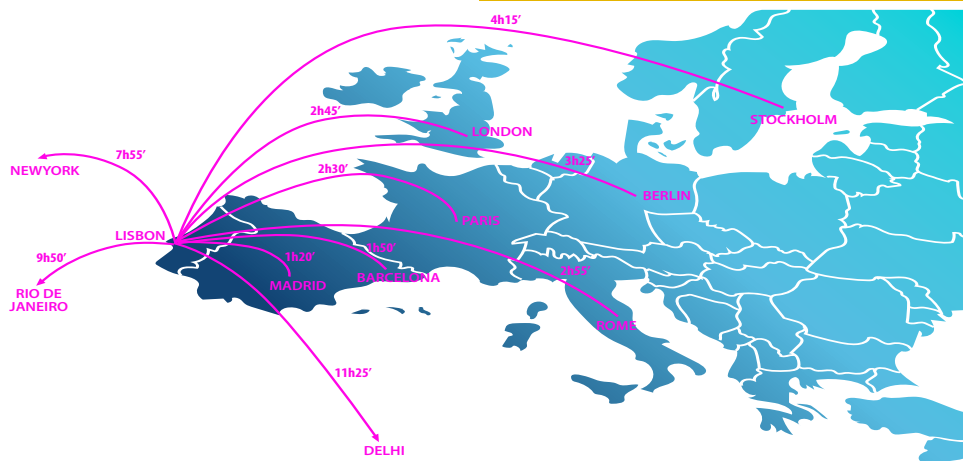
Courses with high employability .

Intense academic life (culture, sports, social, etc.).



Good accessibilities (bus, train and tram). 15 minutes away from Lisbon center and 20 minutes from international airport.

The sunniest days in all Europe, with short and very mild winters and warm and long summers.



CELLULAR AND MOLECULAR BIOLOGY



It encompasses several rapidly evolving scientific areas and allows students to keep up with the latest progress. It offers a strong and comprehensive experimental component, enabling students to acquire skills to meet the challenges of modern biology, in the laboratory and in society.

CAREER: Quality control; biological analysis and testing; cosmetic; pharmaceutical and biotechnology. Diagnostic centers and analysis laboratories. Agriculture, forests and fisheries; service companies.



BIOCHEMISTRY



Biochemistry is a dynamic and exciting science that contributes with important information for pharmaceutical, biology, medicine, nutrition, agriculture, physiology, genetics and immunology. Progress in science is achieved through observation and experimentation.

CAREER: Pharmaceutical and food; biotechnology; toxicology; environmental control and diagnostic technology. Biological chemical analysis laboratories (hospitals, clinics or companies); toxicological analysis; public health laboratories.



CONSERVATION -RESTORATION



Know how to preserve and restore our art and cultural heritage, what state of degradation it is in and what are the best and latest techniques for preserving or restoring it. This interdisciplinary field work embraces visits to leading institutions aiming to build quality training to preserve precious works of art and a unique cultural heritage expertise.

CAREER: Conservation, restoration, analysis and authentication of works of art; Museums and private collection; service companies for cultural heritage.



GEOLOGICAL ENGINEERING

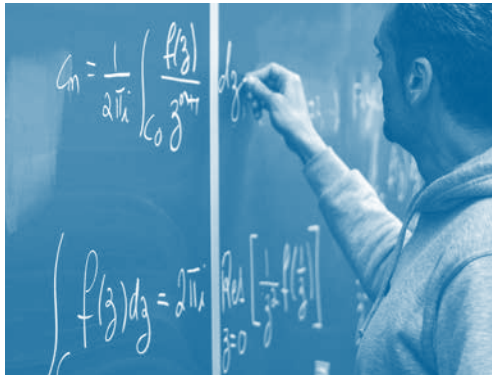


Principles and techniques of geology in solving engineering problems involving the Earth and its operation as a geodynamic system. It studies and applies natural materials (minerals and rocks), water, energy (oil, coal, natural gas, geothermal).

CAREER: Construction and public works and the exploration and exploitation of natural resources (e.g., mining, environment, civil). Provision of study services and integration in teams that develop activities in the preservation and recovery of the environment.



MATHEMATICS



Mathematics provides access to a wide range of careers. This is due not only to the knowledge gained in the area, but also to the skills - reasoning, creativity, abstraction, critical thinking - which are uniquely developed by the study of mathematics itself and which are fundamental in addressing and solving new problems.

CAREER: Analyst, Consultant, Statistician, teacher or newer professions such as Data Scientist, with an easy entry into the labor market.



APPLIED MATH TO RISK MANAGEMENT



Methods to assist risk-related companies, such as banking, insurance, pension funds and finance, increasingly need professionals with the ability to apply mathematical, statistical and actuarial methodologies to identify, quantify and manage inherent risks.

CAREER: Areas related to risk management to successfully integrate the labor market into companies such as banks, insurance companies, pension fund managers, taking place in the finance and risk analysis departments.



APPLIED CHEMISTRY



With a broad background in science and complementing masters and doctoral degrees in fields as diverse as Chemistry, Biotechnology, Genetics, Food Technology or even Business Management, Applied Chemists embark on fields as diverse as the chemical and biological industry, organic pharmaceutical synthesis or forensic investigation.

CAREER: Fine chemistry; pharmaceutical; food; biotechnology; chemical and microbiological analysis; health laboratories; medical research; environmental technology; quality control; consulting.



ENVIRONMENTAL ENGINEERING



Identify, implement and manage innovative solutions for environmental sustainability, adopting the paradigm of circular economy. Support the transition of industry and service companies for a future through innovation and integration of technologies that respect the preservation of the planet's resources.

CAREER: Environmental and energy management; sustainability strategies; carbon economy; quality and safety; waste management and treatment; air quality; evaluation and licensing of major projects; environmental inspection.



BIOMEDICAL ENGINEERING



Innovative technologies in disease prevention, diagnosis and treatment, with special emphasis on Instrumentation and Signal Processing, contributing to an improvement in health care and understanding of the functioning of the human body.

CAREER: Medical equipment and instrumentation; Pharmaceutical; Clinical engineering; Biomaterials industry; Healthcare related companies.



CIVIL ENGINEERING

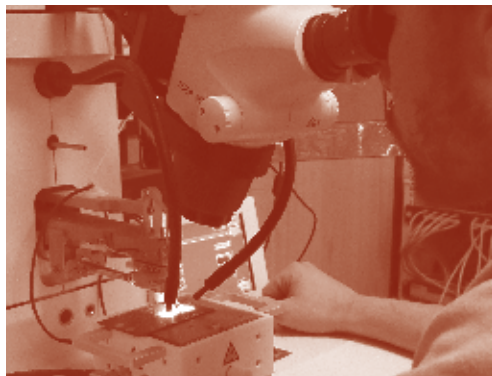


Major construction infrastructure projects; development of building materials; construction of eco-efficient buildings; construction and conservation of monuments. Construction materials and structural solutions.

CAREER: Design, planning, execution and management of buildings and public works, bridges, viaducts, tunnels and foundations, roads, railways, ports and airports. Land use planning; urban planning; civil protection. Hydraulic works; water resource management; hydroelectric utilities; storm and wastewater drainage.



ELECTRICAL ENGINEERING AND COMPUTERS



Combine electrical, electronics, computational, telecommunications, energy and control areas, tackling skills that allow to adapt to evolving processes, technology and market demands in the information and communications technologies, ensuring a professional career guided by technological innovation.

CAREER: Encompassing analog and digital hardware systems, computational systems, instrumentation, power, consumer electronics, digital, lasers, fiber optics, photonic devices, superconductors, semiconductor devices, high-speed transistors, automotive and aerospace control systems, and military tracking and control applications.



PHYSICAL ENGINEERING



Solid knowledge in basic science, engineering and the latest fields of applied physics, with a special emphasis on instrumentation.

CAREER: Application of technical and scientific knowledge for the planning, construction, use and maintenance of structures, machines and systems; Instrumentation; Aerospace; Medical Physics; Energy; Consulting.



ENGINEERING AND INDUSTRIAL MANAGEMENT

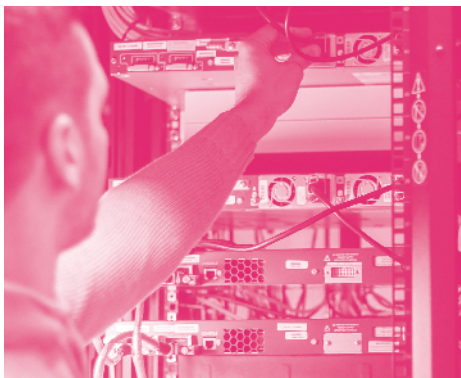


Provides a diverse background, combining Engineering with specific Industrial Engineering and Management skills. Thus, it is particularly well adapted to today's multi-faceted market demands, which translates into excellent employability levels.

CAREER: Study offices and industrial engineering projects. Service companies; transport and communications; banks and insurance; logistics and distribution; certification bodies and others.



COMPUTER SCIENCE

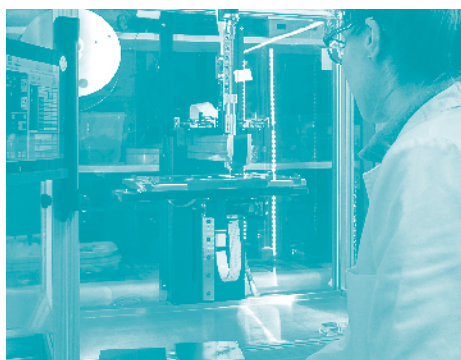


Design and develop systems that support the running of society, such as Google, car drivers, mobile software, web applications, computer games, cloud computing, and artificial intelligence applications.

CAREER: Software development; Telecommunications, Media, Internet; Innovation and development activities for services and products in areas as diverse as business information systems, energy, business management, medicine, the environment, transport, content, entertainment; Research, Development, and Consulting; Digital Entrepreneurship.



MATERIALS ENGINEERING



About 70% of all technological innovations are directly or indirectly linked to materials, from electronic applications to biotechnology or energy. Cars, airplanes, computers, televisions, mobile phones, sports equipment, biomedical devices (artificial valves, prosthetics), among others, required the development of materials and manufacturing processes in order to give them the required properties and functionality.

CAREER: Industry and Energy: Polymers and Plastics; Prosthetics and Biomaterials; Cellulosic products; Metalworking; Electronics, Microelectronics and Optoelectronics.

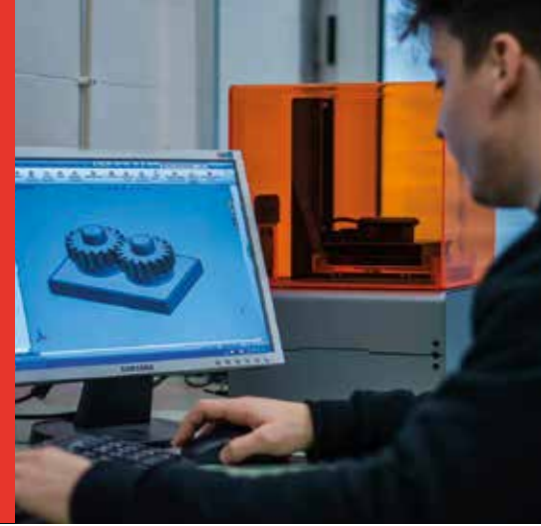


MECHANICAL ENGINEERING



Broadband character in balance with specializations in the fields of solid and fluid mechanics, applied thermodynamics, structural mechanics and product and process design, which gives it high employability.

CAREER: Industry and services: mining, metallurgical, basic chemicals, metallomechanics, shipbuilding, aeronautical and automotive, electromechanical and electronic, food, chemical-pharmaceutical, energy production, transport and communications, refrigeration and air conditioning.



MICRO AND NANOTECHNOLOGY ENGINEERING



Learn about a vast array of technologies, taking advantage of the unique properties of nanoscale materials and systems, ranging from new nanomaterials and nanodevices that can be applied in different applicational domains.

CAREER: Electronics and microelectronics industry; consulting, design and auditing companies; teaching and research; nanotechnologies; pharmaceutical; information and communication technologies; transparent and flexible electronics; integrated power systems; service companies.



CHEMICAL AND BIOCHEMICAL ENGINEERING



Research and sustainable development in the areas of chemistry, biochemistry, biotechnology leading to new materials and processes, optimizing existing industry processes in terms of energy and materials efficiency.

CAREER: Services and industry in the areas: agri-food, health, environment, energy and new materials, tackling policy, quality control, environmental regulation and consulting.





CITY LIFE

The NOVA School of Science and Technology location couldn't be more perfect. The proximity to Lisbon, Almada and Caparica, makes it easy to enjoy the campus life and soon after be transported to the vibrant cultural scene in the capital of Portugal, with its world-class restaurants, rich history, dynamic heritage scene and exciting nightlife, considered to be among the best in Europe. Almada also provides a lot of animation, especially in Cacilhas. This waterfront neighborhood became the meeting point for good social setting. And don't forget to check out Caparica's coastline. The long strip of white sandy coast is perfect to relax and to enjoy water sports.



How to Apply

CONTACTS

Division of Communication
and External Relations

e-mail: div.cre.coordenador@fct.unl.pt

Tel.: +351 212 948 300

1 CHOOSE A COURSE
in NOVA

2 APPLY ONLINE
Send your expression
of interest by e-mail to:
div.cre.coordenador@fct.unl.pt



ACADEMIC LIFE

NOVA School of Science and Technology promotes the individuality, group work and creativity of its students. So you can expect to be challenged to surpass yourself. Between the organized activities you can find an employability fair, the Welcome Week (with concerts and cultural activities), and the events that happen every day (talks, seminars, workshops), all organized to increase your motivation and to turn you better, stronger, happier. There are over 30 student societies that you can join to deepen your interests or venture out in something challenging and new. There is never a dull moment at NOVA campus.



3 **REGISTRATION** at NOVA School of SCIENCE and TECHNOLOGY according to the instructions received by e-mail.

4 **APPLICATION OUTCOME** will be send to you by e-mail.

5 **ACCEPTANCE** Welcome to NOVA!



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