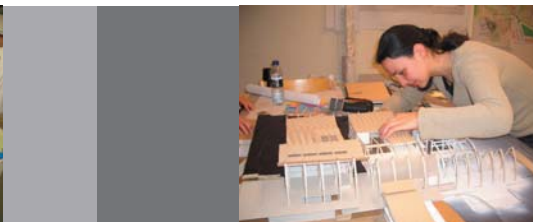


Instituto Superior Técnico

LISBON



DEGREE PROGRAMMES

Bachelor programme: 3-year programme: Licenciatura em Estudos de Arquitectura
Enrollment: 50 students admitted in the 1st year

Master programme: 2-year programme: Mestrado em Arquitectura
Accreditation upon completion: Register of architects

CONTACT INFO

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International Office: GIRE

Dean of school: Prof. Carlos Matos Ferreira
Head of Department: Prof. Carlos Sousa Oliveira
Director of the Architecture Programme: Prof. Teresa Heitor

GENERAL INFO

Application Deadline: 1st semester: 30th June; 2nd semester: 15th Dec.; Final Project: 3 months before arrival

Tuition and Fees: 3-year and 2-year programme: 900 euros/year. PhD programme: 3000 euros/year.

Accommodation: Accommodation can be provided under availability.

Setting: The Architectural programme shares the Civil Eng. Building, within the IST campus of Alameda. This 8.4 hectares campus is situated in the city centre of Lisbon. The original project, designed by Pardal Monteiro in 1927, performs as a modernist paradigm, taking architecture to the scale of the city. It was based on a grid with a group of seven buildings alternating with formal gardens; the construction density was low; a surrounding wall has four entrance gates, placed at the two main orthogonal axes. During the 80's new buildings were built as well renewal interventions to respond to new pressures and learning demands. The IST is part of the Technical University of Lisbon.

Student population: Architecture Programme: 300 students; 56% female; 19 foreign exchange students.

Faculty: Civil Engineering and Architecture Department:
Staff: 130 full-time and 40 part-time scientific staff
Architecture Programme (BSc and MSc) involves 57 full-time and 13 part-time scientific staff.

Student service/activities: Students association AEIST (all IST degrees); Specialization student association NUcleAR (Architecture)

Facilities: Study centre; Design Studios; library; fully equipped CAD studio; laboratory for product development; construction and structure laboratories; environmental performance laboratory.

Admission requirements: Diploma granting admission to university in country of origin. Secondary school diploma must include Mathematics and Descriptive Geometry or Mathematics and Drawing.

Language: The language of instruction during the Bachelor Programme is Portuguese. The Master Programme is taught both in Portuguese and in English. Teaching materials such as lecture notes are in Portuguese. Msc and PhD thesis can be performed in Portuguese or in English.

Profile of the school

The architecture degree was established in 1998, as the result of an innovative teaching approach, drawing upon the considerable teaching and research expertise within the IST, as the leading school of Engineering, Science and Technology in Portugal. It was shaped with the aim of creating a strong and well-appointed centre of excellence in architectural education and research. The core faculty of eighteen architects, is joined each year by visiting critics, scholars and lecturers who provide additional resources to a small, intimate group.

Structure of the curriculum

Architectural education consists of five years of full-time study divided between two degrees: three-year bachelors course in Architectural Studies followed by the two-year master course in Architecture. It is a design-oriented curriculum with a solid foundation in building science and technology and history and theory of architecture. It is intended to be a rigorous and demanding curriculum that takes advantage of the mutual interests of both architecture and building technologies. The curriculum is in transition from a 5-year programme to a Bologna 2-cycle programme. In this document is presented the new format of the architectural programme

Research programme

Research in Architecture is based on three clusters: 1) History, theory and criticism; 2) Evaluation of the built environment; 3) Architecture and computation. Research takes advantage of resources in all fields in the department and elsewhere in the Institute. The intention is to build on existing expertise and to establish a range of distinctive high-profile research areas that will gain national and international recognition, and which are not replicated in other schools of architecture in Portugal. Research is funded by the EU, Portuguese government and industry.



Bachelor programme

The BSc Programme is directed to an introduction to theoretical and practical issues in which a wide variety of subjects in the architecture discipline, are introduced. Contents are organised into three areas in turn of the ARCHITECTURAL DESIGN STUDIO: 1) Fundamental Sciences; 2) Architectural Technology; 3) Architectural Culture. Each of these areas is broken up into different subjects thought respond to the need to deal with the many components of architecture in an interdisciplinary manner.

Architecture is taught through the process of designing in the studio. Students work on a variety of projects, individually or in groups, with tutors from Architecture and related disciplines.

Work in the studio is complemented by tutorials, lectures and seminars that develop student understanding of the cultural, historical and technical aspects of the subject. Technical Studies include structures, construction and environmental design.

In Year 1 of the course, students work on simple design projects, which develop three-dimensional visual perception and improve communication techniques.

More advanced projects are set in Years 2 and 3, in the context of individual design units while working to common teaching objectives. Each of these has its own distinctive approach, determined by the ideas and agendas of the teaching staff.

At the same time, modules in key subjects such as history and theory of architecture and building technology provide a wider understanding and inform project work.

Assessment is by coursework and written examination together with continual assessment of design project work and associated contextual and technical studies.

Master programme

During the Msc programme students go deeper into the theoretical and practical knowledge introduced before by exploring the process of architectural design within the framework of wider contemporary issues and debates.

Design skills and architectural understanding are extended and matured through greater emphasis on Design at a deeper level. In addition, theoretical aspects at a more advanced level in the areas of History and Theory of Architecture, Urbanism, Technology and Professional Practice and Management are addressed.

The programme involves design at an architectural and detailed scale as well as at a strategic urban/landscape scale.

It comprises two parts: an architectural design and technology stage (year 4) and a research design stage (year 5), which provides the means for personal development and exploration, and the development of basic research skills.

The projects themselves vary considerably in size and place. The emphasis is placed on encouraging forward thinking and challenging projects which attempt to take on wider architectural, urban design and environmental issues. Students are required to carry out a broad range of investigative studies, and to participate in discussions and reviews.

At the end of the year 5 students present a final project that enables them to obtain a professional degree in architecture. The project is committed to the "architecture of the city" and to the solution of urban problems through direct engagement with urban environments as working design laboratories.

Evaluation is by continual assessment of design project work and associated contextual and technical studies, together with coursework and written examination.

PhD programme

PhD Programme in IST follows teaching and research methods prepared to expand the knowledge and to enable students of exceptional ability to undertake advanced study and innovative and visionary research. It consists of teaching courses and a thesis. Students with the teaching courses of a Master degree may be allowed to develop only the research thesis to obtain the PhD degree. It has an average duration of 4 years and can be performed in Portuguese or in English.

Within the IST there is a diverse and active research community. A range of academic disciplines supports architectural research activity. It includes areas such as building, construction management, planning, urban design, urban estate management, transport, built heritage and conservation studies, logistics, computing, and robotics. Thus, doctoral students have the ability to focus on issues that cross normal boundaries. They are supervised by staff involved in research and teaching on postgraduate programmes, as well as in diverse activities outside the IST.

Research Centres and units act as a focus for research activity within IST and provide a structure for promoting research excellence and collaboration between their members.

IST is currently in the process of reorganizing the third cycle of academic studies. A new research strategy conducting to a PhD programme in Architecture involving innovative routes for doctoral research, such as the PhD by Design Project, is now under discussion. A key target over the next few years is to increase steadily the number of architecture doctoral students.