

**EAAE GUIDE**  
Schools of Architecture in Europe

# Colophon

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# EAAE

The EAAE is an international, non-profit-making organisation committed to the exchange of ideas and people within the field of architectural education and research. The aim is to improve our knowledge base and the quality of architectural and urban design education.

Founded in 1975, the EAAE has grown in stature to become a recognized body fulfilling an increasingly essential role in providing a European perspective for the work of architectural educationalists as well as concerned government agencies.

The EAAE counts more than 140 active members schools in Europe from the Canary Islands to the Urals representing more than 5.000 tenured faculty teachers and over 120.000 students of architecture from the undergraduate to the doctoral level. The Association is building up associate membership world-wide.

The EAAE provides the framework whereby its members can find information on other schools and address a variety of important issues in conferences, workshops and summer schools for young teachers. The Association publishes and distributes; it also grants awards and provides its Data Bank information to its members.

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## Preface

With due pride the EAAE publishes this first Guide of Architecture Schools in Europe. The Maastricht treaty brought us one step closer to a Europe with unrestricted exchange of people and goods. With the Bologna declaration of June 1999, one year after the Sorbonne declaration, 29 European countries committed themselves to boosting the world-wide competitiveness and appeal of European degrees through a number of actions, the most striking of which was the agreement to transform all higher education to one and the same Ba-Ms structure. By 2010 the European Space for Higher Education must be in effect. Its main objective is to facilitate and stimulate the easy international exchange of students.

The Socrates and Erasmus exchange programmes for students and staff members from all academic disciplines, including architecture, will therefore continue to grow in the coming years. With all of this in mind, the EAAE established that accurate and elaborate information on the profiles of Europe's architecture schools was greatly needed, and has therefore taken the initiative to publish this guide, inspired by ACSA's "Guide to Architecture Schools", which is now in its sixth edition already.

It is the ambition of the EAAE to turn the European guide into the main channel for anyone trying to contact other schools of architecture, staff members or students within Europe. Our continent remains a patchwork of cultures and architectures on a Romanic, Germanic and Slavic template. Both students and staff can learn a great deal from this diversity of identities. The European Space does not mean to reduce all building styles and prowess to one common denominator, but quite contrary to acknowledge local influences and differences in culture, to appreciate them and learn how to come to grips with them in a creative, yet critical way.

To get to know each other, to learn from each other is the true riches we get from international exchange. This guide provides the key to this intellectual challenge. The EAAE hopes that it may inspire many among its readers to emerge from

their cocoons, to explore Europe's cultural and intellectual treasures, and to use their fresh and widened perspectives to the benefit of their home fronts.

Despite great efforts to provide the highest quality, this first edition is not free from teething troubles. However, we find comfort in the confidence that in fifty years, when the EAAE is as old as ACSA now, our guide will pass a comparison with its American counterpart with flying colours. To our regret a number of schools did not deem this guide sufficiently interesting to make the deadline for its first edition. We sincerely hope to be able to welcome them in the next. Of the schools that are presented here, the reader will find elaborate profiles, with individual characteristics, available courses, admission criteria, facilities, research topics and centres, contact coordinates, references to websites, etc. All of this information was graciously provided by the different schools.

We would like to thank all those who generously volunteered to make this guide possible. We thank Professor Pierre Von Meiss for the EPFL synopsis, which we adopted as a template for all other schools. Our special gratitude goes to Professor Leen van Duin and his staff at TU Delft, who brought this guide to fruition. He prefers not to enlarge on the efforts it took to obtain all the requested information.

The EAAE is a living, breathing organism and, with an age of under 25, a relatively young association of schools. We know that information changes, becomes obsolete and needs continuous revising. That is why the EAAE has decided to publish a digital version of this guide as well and to update it regularly. Of course this can only be done in pace with how new information reaches us. We would therefore like to call upon all colleagues to actively check the information relevant to their institutes, to keep it up to date and to become part of this guide's lifeline.

**Prof. Herman Neuckermans**  
Chairman of EAAE

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## Préface

L'AEEA est fière de présenter ce premier Guide des Ecoles d'Architecture en Europe.

Le traité de Maastricht nous a rapprochés d'une libre circulation des personnes et d'un libre-échange des marchandises en Europe. Dans la déclaration de Bologne de juin 1999, un an après la déclaration de la Sorbonne, 29 pays européens se sont engagés à promouvoir dans le monde la compétitivité et l'attrait des diplômes européens. L'initiative la plus frappante fut la décision d'évoluer dans l'enseignement supérieur vers une structure commune Bachelor - Mastère. L'espace européen de l'enseignement supérieur devra être un fait en 2010.

L'objectif principal sera de faciliter l'échange international d'étudiants. Dès lors, dans toutes les disciplines, y compris l'architecture, les programmes Socrates et Erasmus verront augmenter les échanges d'étudiants et d'enseignants dans les années à venir. Vu cette évolution, il est important de faire connaître le profil des écoles d'architecture en Europe. C'est pourquoi l'AEEA a voulu publier ce Guide, inspiré du « Guide to Architecture Schools » d'ACSA qui en est à sa sixième édition.

L'ambition de l'AEEA est de faire de Europe Guide le principal moyen de communication pour quiconque désire entrer en contact avec d'autres écoles d'architecture, enseignants ou étudiants en Europe. Notre continent reste une mosaïque de cultures et d'architectures, évoluées/fondées sur des bases latine, germanique et slave. La compréhension de cette diversité est certainement utile aux enseignants comme aux étudiants. Le but de l'espace européen n'est pas de tout réduire à un style architectural unique mais de reconnaître les influences locales, la spécificité du lieu et les différences culturelles, de les apprécier et d'en user d'une façon créative et critique.

Apprendre à se connaître, l'échange de connaissances sont les éléments qui constituent la richesse générée par l'échange international. Ce Guide est la clé de ce défi intellectuel. L'AEEA espère inspirer bon nombre de lecteurs à sortir de leurs cocons, à explorer les richesses

culturelles et intellectuelles de l'Europe, et à utiliser leur nouvelle ouverture d'esprit au bénéfice de leur pays. Malgré tous nos efforts, cette première édition n'est certainement pas sans défauts, mais nous sommes persuadés que dans 50 ans, quand l'AEEA aura l'âge de l'ACSA actuellement, notre Guide aura la même qualité que sa sœur américaine. Plusieurs écoles ont malheureusement sous-estimé l'importance de ce Guide ; c'est pourquoi elles ne sont pas toutes citées ici. Nous espérons pouvoir les accueillir dans une prochaine édition.

Les écoles présentées ici décrivent leur profil, leurs caractéristiques propres, leur programme, les étudiants, les enseignants, les conditions d'admission, l'équipement, les sujets et centres de recherche, les personnes à contacter, le website, etc. Toutes ces informations ont été transmises gracieusement par les écoles.

Nous remercions tous ceux qui ont offert leur aide pour la publication de ce Guide. Nous remercions le professeur Pierre Von Meiss pour la fiche EPFL qui a servi de modèle pour les contributions de toutes les écoles. Nous remercions tout particulièrement le professeur Leen van Duin et son équipe de la TU Delft qui ont finalisé ce Guide au regard des difficultés à réunir les informations demandées.

L'AEEA est un organisme vivant et une association d'écoles relativement jeune, puisqu'elle n'a que 25 ans. Elle a conscience du fait que l'information change, est vite dépassée et doit être en continuelle évolution. C'est pourquoi l'AEEA a décidé de publier une version digitale du Guide et de l'adapter régulièrement. Nous demandons à tous nos collègues de mettre à jour continuellement les informations relatives à leur école et de contribuer ainsi à l'actualité de ce Guide.

**Prof. Herman Neuckermans**  
Président de l'AEEA

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# Introduction

## European construction and planning

Europe's construction industry has been shaped around a wide range of cultural characteristics, historical associations and legal frameworks. Today, construction markets are becoming more unified. This results from increasing globalisation of business, pressures from the European Union towards standardisation, greater market integration and penetration, and increased workforce and student mobility between countries. In spite of these unification trends, large differences still exist between countries with a seemingly undiminished desire for local distinction. The future of Europe will see a broadening of shared experience and wider markets, yet local differences in the organisation of education, the professions, and construction process will survive.

## The role of planning

Historically in Europe, town planning was perceived as the allocation of buildings and infrastructure in space, a role undertaken by both engineers and architects. Until the 1950s planning education was often associated with schools of architecture or engineering as civic design or infrastructure planning. Today, the town planning profession is established in its own right in several European countries (for instance, England and the Netherlands), while in others it still falls within the scope of architects and engineers (as in Spain).

## The professions

Although the title 'Architects' has deep-seated historical roots in European culture, its current professional standing stems from social and economic changes in the mid-nineteenth century. The activities of professional associations balance perceived public interests with artistic, business and technological knowledge for example the Arts and Crafts movement in Britain instigated public debate about whether "artistic qualifications" could be taught and tested, and whether it was possible for professional institutions to control standards. These expectations of the architect as the unfettered artist who could work unhindered by the world around have endured until today in the culture of professionalism.

The distinction between the 'commercial architect' and the 'architect's architect' is not new. Today, the profession continues to be faced with these conflicts, which leads to continuing uncertainty about whether the profession's main role is defender of under-represented interests of society and disenfranchised building users, or whether they are primarily concerned with the interests of developer clients, investors, or the commercial success of their own practices. The modern dilemma for the architectural profession is that architects are often no longer heads of the building team, increasingly rejected by the client and driven by commercial self-interest rather than by a broader altruism. The vigorous internal debates that have taken place in many professional associations throughout Europe are symptomatic.

As a consequence, the role of the architect is no longer solely a 'conceiver of buildings', it is now more like a mediator between the client or patron - the person who commits the building - and the work force might be collectively referred to as the builder. Today, roles are increasingly diversified from generalist to the specialist, organised around practices that can concentrate solely on architects to those that encourage all building disciplines. The recent Royal Institute of British Architects (RIBA) study of the profession and its clients in Britain defines the range of practice or business-led in their expectations and whether they are strong on delivery, service or ideas.

The result is an increasing diversity of practice types, each with their own brand of culture, services and expertise. All will be required to meet different demand profiles, so that practices will continue to range from small partnerships located in provincial high streets to integrated multidisciplinary businesses of several hundred staff with offices in major cities around the world. The strategic consequences for architectural education are broader horizons to encourage a wider range of practice models.

## Key areas of competence for architects are:

- To identify the problem and then find out and establish a structural

relationship between the different requirements (architectural strategy). In this work it is essential to find a balance between different orders of priority and establish a form which responds to the clients needs and is related to the present time and to the given site. At the same time the architect must take into account that the structure established is likely to last longer than the forces that brought it into being. Every architectural structure must therefore be seen as part of the future built environment, as well as being well integrated with nature and the past.

- To resolve competing demands of local and international cultures, as well as present requirements and future uses.
- Sensitivity to clients wants and needs (including those that are not clearly formulated) and finding an appropriate balance between client needs and the public interest. Ideas and plans should also be communicated clearly to the client and all others affected by the project
- To collaborate and communicate in a creative way with other specialists as well as lay people. The architect should understand and master the process of implementation of architectural ideas, because the architect designs buildings that are going to be built. The architect should be able to make financial considerations of different kinds and co-ordinate the many interests and competencies involved in any project into structured form: a synthesis.

## The architectural profession

While the title 'Architect' is protected in most European countries, the role and status of professional organisations varies. Key functions of professional bodies are their respective roles in:

- client/user;
- representing the profession to government and municipalities;
- guaranteeing educational quality;
- developing the knowledge base, through funding, research, publications and exhibitions;
- continuous professional development.

### **The town planning profession**

The title 'Town planner' is not as historically established or culturally defined as that of the 'Architect'. Whilst the profession is established in its own right in some countries, in others it is subsumed under the domain of architecture or engineering. Consequently, with the exception of the Netherlands, the title is not protected and the professional organisations do not have the regulatory powers and strict organisations that are seen in the architectural profession.

Planning is taught at a number of levels ranging from regional to urban and detailed planning, and also from management planning to design. In Europe a range of institutions often covers these areas. However, the number of institutions offering training in the field and the number of student in this discipline is small compared to the number of architecture schools and students. For example in Germany on the architects' register there are 71,500 architects, 3,000 landscape architects and only 350 town planners (Städtebauerarchitekt).

#### **Key functions covered here are:**

- recognition of the profession;
- protection of the title;
- conditions of registration;
- workload by sector;
- defined tasks of the planner;
- professional bodies;
- role of the professional organisations (including education, research and continuing professional development);
- implications for education;

#### **Education**

Higher education establishments across Europe offering architectural education include Universities, Institutes and Academies; some are technical and others humanities based. There are also a number of Institutes or Schools in the case of France (Ecoles d'Architecture) where architecture is not considered an academic discipline. The Academies often follow a tradition and can be said to be design and professionally focused rather than technically, academically or research oriented.

Town planning education across Europe ranges from full undergraduate courses (Netherlands, England & Wales, Germany) to postgraduate specialisation's (Belgium, England & Wales, France) and in some cases incorporated into architecture or engineering studies (Spain).

Schools of planning do not cover all areas within the realm of planning in one course. Courses differ in spatial scale from regional and rural planning through town planning to urban design. At each level there may be further series of crossdisciplinary studies, which bring in design, geography, economics or sociology, for example.

In some instances private schools provide opportunities for more experimental forms of education removed from strict central funding requirements. However, graduates still have to require standards for professional registration.

#### **The profession's relation to education**

The profession's relation to education can be expressed through formal involvement in:

- course validation;
- course content;
- funding of higher education;
- quality control;
- research;
- continuing professional development.

Only in England and Wales architecture and town planning courses are validated by the profession, the Royal Institute of British Architects (RIBA) and the Royal Town Planning Institute (RTPI). Both organisations provide guidelines for course curricula and control quality through their visiting boards. In other countries the profession may however control quality prior to professional registration.

Funding of higher education is through education authorities in all the countries, but the professions may provide some funding for research or provide a link with industry for such funding. Continuing professional development is a growing area across Europe and is provided either by the profession or by the educational institutions.

#### **Higher professional education in Europe**

Throughout Europe access to higher education depends on achieving a certain level of competency reached at the end of high school. There is often competition between prospective entrants for a limited number of places. In a few cases schools set examinations. While enrolments are strictly limited (numerous clauses) in some countries, in other higher education is open to everyone who has achieved a level of competency by examination.

Postgraduate study is by written application, normally to the individual schools. Students are chosen not only for their academic achievements but some instances also to provide a good balance on a course (for example, town planning courses like to balance architecture graduates with economists and sociologists).

According to type higher education, institutions differentiate between Universities, Technical Universities and other institutions such as Academies, Institutes of Fachhochschule. Recognition of courses by the government or the profession, funding of courses and students, and the mechanisms for quality control of courses in each country will be covered in this chapter.

The length of any course is given as the formal time in academic years for which the curriculum is set. Both formal time periods and the time students take to complete a course are directly related to the availability of financial support. The length and depth of the university course may also depend on the amount of time spent and material covered in high school prior to entry. Prerequisites to entry determine the way in which the first year is organised: either as a foundation year for a stable number of students or a selection process of eligible students.

In a broad sense, study can be divided into undergraduate and postgraduate courses. Undergraduate courses refer to a complete course leading to a professional qualification or a degree equivalent. It is commonly divided into two stages with a varying emphasis on the qualification offered at the end of the first stage. In most countries the first stage qualification offered at the end of the first stage. In most countries the stage qualification is only a certificate to change direction in higher education.

Postgraduate education is classified as the equivalent of a third stage, which is either an opportunity for in-depth specialisation at a Masters level or a professional course following an, often academic, first degree.

Architecture and town planning are not only scientific disciplines but also professional areas of and therefore, the education not only provides a degree in a subject area, but also trains professionally competent graduates.

**This introduction is based on:**  
**John Worthington, Aylin Orbasli,**  
*Architecture and Town Planning Education in The Netherlands: A European Comparison (1995)*  
**York, Institute of Advanced Architectural Studies**

Architecture Schools in Europe



	BELGIUM		BELGIUM		DENMARK
2	Antwerpen <b>Hogeschool Antwerpen</b> <b>Henry van de Velde Instituut</b> 31, Mutsaardstraat 2000	16	Liege <b>Institut Supérieur d'Architecture</b> <b>St-Luc de Wallonie, Liège</b> Institut Supérieur St.-Luc de Boulevard de la Constitution 41 4020	22	Copenhagen <b>The Royal Danish Academy of</b> <b>Fine Art</b> School of Architecture Philip de Langes AlléHolmen 1435
4	Brussel <b>Hogeschool voor Wetenschap en</b> <b>Kunst</b> Campus St.-Lucas Brussel Paleizenstraat 65-67 1030		Liege Institut Supérieur de la ville de Liège, Lambert Lombard Rue St Gilles, 33 4000		FINLAND
6	Brussel <b>Vrije Universiteit Brussel</b> Faculteit Toegepaste Wetenschappen Pleinlaan, 2 1050		Louvain-la-Neuv U.C.L. Unité d'Architecture Bâtiment Vinci Place du Levant 1 1348	24	Hut <b>Helsinki University of Technology</b> Department of Architecture PO Box 1300 2015
	Bruxelles Institut Supérieur d'Architecture Intercommunal Institut Supérieur ULB Campus de la Plaine, Bât 1050		Mons Institut Supérieur d'Architecture Intercommunal Institut Supérieur Sité de MonsRue d'Havré 88 7000	26	Oulu <b>University of Oulu</b> Department of Architecture Aleksanterinkatu, 6 90101
8	Bruxelles <b>Institut Supérieur d'Architecture</b> <b>St-Luc</b> St-Luc Bruxelles Chaussée de Charleroi 132-134 1060		Ramegnies-Chin Institut Supérieur d'Architecture St-Luc de Wallonie, Tournai Institut Supérieur St-Luc de Chaussée de Tournai, 50 7520	28	Tampere <b>Tampere University of Technology</b> Department of Architecture Korkeakoulunkatu, 3 Box 699 33720
10	Diepenbeek <b>Provinciale Hogeschool Limburg</b> Departement Architectuur en Universitaire Campus, Gebouw E 3590		BULGARY	30	FRANCE
12	Gent <b>Hogeschool voor Wetenschap en</b> <b>Kunst</b> Campus St.-Lucas Gent Hoogstraat 51 9000		Sofia University of Architecture, Civil Engineering and Geodesy Faculty of Architecture 1, Christo Smirnenski Blvd 1421		Clermont-Ferrand <b>Ecole d'Architecture de Clermont-</b> <b>Ferrand</b> 71, Bld Côte Blatin 63000
14	Leuven <b>K.U. Leuven</b> Departement A.S.R.O. Kasteelpark Arenberg 1 3001		CHECK REPUBLIC		Darnetal Cedex Ecole d'Architecture de Normandie Rue Lucien Fromage, 27B.P. 04 76161
	Liege Institut Supérieur d'Architecture Intercommunal Institut Supérieur Rue St Gilles, 33 4000	18	Brno <b>Brno University of Technology</b> Faculta Architektury VUT Brno Kounicova, 67a 60190	32	Grenoble <b>Ecole d'Architecture de Grenoble</b> Avenue de Constantine, 60 BP 38036
		20	Praque <b>Praha Technical University, CVUT</b> Fakulta Architektury Thakurova, 7 16634		Marseille Ecole d'Architecture de Marseille Luminy 184, Avenue de Luminy - case 912 13288
			DENMARK	34	Nancy <b>Cedex Ecole d'Architecture de</b> <b>Nancy</b> 2, Rue Bastien Lepage BP 435 54001
			Aarhus C Aarhus School of Architecture Noerreport 20 8000		Paris Ecole d'Architecture de Paris- Belleville 78-80 Rue Rebeval 75019

	FRANCE		GERMANY		ITALY
	Paris Ecole d'Architecture de Paris- la-Villette 144, Rue de Flandre 75019		Trier Fachhochschule Trier Fachbereich Architektur SchneidershofGebäude D 54293		Bari Polytechnic of Bari School of Architecture Via Orabona, 4 70125
	Paris Ecole d'Architecture de Paris Val de Seine Site Bonaparte 14, Rue Bonaparte 75006	50	Wuppertal <b>Bergische Universität - Gesamthochschule Wuppertal</b> Fachbereich 10 Architektur Pauluskirchstrasse, 7 42079		Genova Università degli studi di Genova Centro Servicz Facoltà di Stradone sant Agostina 37 16123
36	Saint-Etienne <b>Ecole d'Architecture de St. Etienne</b> 1, Rue Buisson 42000	52	GREECE Athens <b>National Technical University Athens</b> Department of Architecture 42, Patission Street 10682	60	Milano <b>Politecnico di Milano</b> Faculty of Architecture Leonardo Via Bonardi 3 20133
38	Strasbourg <b>Ecole d'Architecture de Strasbourg</b> 8, Bld Wilson - BP 37 67068		Patras University of Patras Department of Architecture University CampusRio 26500 265 00	62	Milano <b>Politecnico di Milano</b> Seconda Facoltà di Via Durando, 10 20158
	Talence Ecole d'Architecture de Bordeaux Domaine de Raba241, Avenue du 33405	54	Thessaloniki <b>Aristotle University of Thessaloniki</b> School of Architecture Department Panepistimioupoli 5 54006	64	Torino <b>Politecnico di Torino I</b> Facoltà di Architettura I Viale Mattioli, 39 10125
40	Vaulx en Velin <b>Ecole d'Architecture Lyon</b> 3, rue Maurice Audin BP 170 69512		ICELAND Retkjavik Iceland Academy of the Arts Department of Design & Skiopholti 1 105	66	Torino <b>Politecnico di Torino 2</b> Facoltà di Architettura 2 Viale Mattioli 39 10125
42	Versailles <b>Ecole d'Architecture de Versailles</b> Petites Ecuries du Roy2, Av. de 78000		IRELAND Dublin <b>University College Dublin</b> Faculty of Engineering and Richview, Clonskeagh 14	68	LIECHTENSTEIN Vaduz <b>Fachhochschule Liechtenstein</b> Fachbereich Architektur Fürst Franz-Josef Strasse 9490
44	Villeneuve <b>Ecole d'Architecture Lille-Régions Nord</b> 2, Rue VerteQuartier de l'Hôtel de 59650	56	Dublin 1 <b>Dublin Institute of Technology</b> School of Architecture Bolton Street	70	MACEDONIA Skopje <b>Univerzitet "Sv.Kiril i Metodij"</b> Faculty of Architecture Partizanski Odredi, 24 - PO Box 91000
46	GERMANY Bochum <b>Fachhochschule Bochum</b> Fachbereich 1 Architektur Lennershofstrasse, 140 44801	58	Dublin 1 <b>Dublin Institute of Technology</b> School of Architecture Bolton Street	72	MALTA Masida <b>The University of Malta</b> Faculty of Architecture and MSD06
48	Dresden <b>Technische Universität Dresden</b> Fakultät Architektur Zellescher Weg, 17 1069		ITALY Aversa (NA) Seconda Università Degli Studi Facoltà di Architettura di Abazia di San Lorenzo Borgo 81031		
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**Ecole d'Ingénieurs de Genève**  
4, Rue de la Prairie  
1202
- 114 Lausanne  
**Ecole Polytechnique Federale de Lausanne**  
Faculté ENACBâtiment BP  
1015
- 116 Mendrisio  
**Universita della Svizzera Italiana**  
Largo Bernasconi 2  
CH- 6850
- St. Gallen  
Hochschule für Technik, Wirtschaft und Soziale Arbeit  
Department of Architecture and  
Tellstrasse, 2Postfach 664  
9001

- SWITZERLAND  
Winterthur  
Zürcher Hochschule Winterthur  
Architektur, Gestaltung &  
Halle 180, Tössfeldstrasse  
8401
- 118 Zürich  
**ETH Zürich**  
Architekturabteilung  
HöngerbergEinsteinstrasse - P.B.  
8093
- TURKEY  
120 Ankara  
**Middle East Technical University**  
Faculty of Architecture  
Inonu Bulvari  
6531
- Ankara  
Orta Dogu Teknik Universitesi  
Faculty of Architecture  
6531
- Bahçelievler  
Bahçesehir Üniversitesi  
Londra Asfaltıncirli Kaushgi  
34590
- 122 Gazimagosa  
**Eastern Mediterranean University**  
Department of Architecture  
Via Mersin 10  
Gazimagosa
- 124 Istanbul  
**Yildiz Universitesi**  
Faculty of Architecture  
Yildiz KampüsüBesiktas  
80750
- UNITED KINGDOM  
126 Brighton  
**University of Brighton**  
School of Architecture and  
Mithras House, Lewes Road  
BN2 4AT
- Cardiff  
128 **Cardiff University**  
**The Welsh School of**  
**Bute BuildingKing Edward VII**  
CF10 3AP
- Edinburgh  
130 **Edinburgh College of Art/Heriot**  
**Watt University**  
School of Architecture  
Lauriston Place  
EH3 9DF
- UNITED KINGDOM  
132 Edinburgh  
**University of Edinburgh**  
School of Architecture  
20, Chambers Street  
EH1 1JZ
- 134 Glasgow  
**Glasgow University, Glasgow**  
School of Art  
Mackintosh School of  
177, Renfrew Street  
G3 6RQ
- 136 Glasgow  
**University of Strathclyde**  
Department of Architecture and  
Rottenrow, 131  
G4 ONG
- 138 Kingston Upon Hull  
**University of Lincolnshire &**  
**Humber side**  
Hull School of Architecture  
George Street  
HU1 3BW
- 140 Liverpool  
**The Liverpool John Moore's**  
**University**  
Center for Architecture, School  
98, Mount Pleasant  
L3 5UZ
- 142 Liverpool  
**University of Liverpool**  
Liverpool School of  
Abercromby Square, PO Box 147  
L69 3BX
- London  
Royal College of Art  
School of Architecture and  
Kensington Gore  
SW7 2EU
- Manchester  
Manchester School of Architecture  
Faculty of Art and Design  
Chatham Building  
Cavendish Street  
M15 6BR
- 144 Newcastle  
**University of Newcastle**  
School of Architecture,  
The Quadrangle  
NE1 7RU
- Plymouth  
University of Plymouth  
School of Architecture  
The Hoe CentreNotte Street  
PL4 7NL
- UNITED KINGDOM  
146 Portsmouth  
**University of Portsmouth**  
School of Architecture  
King Henry BuildingKing Henry I  
PO1 2DY
- Sheffield  
University of Sheffield  
School of Architecture  
The Arts TowerP.O. Box 595  
S10 2TN
- YUGOSLAVIA  
148 Belgrade  
**University of Belgrade**  
Faculty of Architecture  
Bul. Kralja Aleksandra 73/II  
11000
- 
- MEXICO  
Gualdajana - Asinea  
Universidad de Gualdajana  
Extremo NorteGalzade  
Independcia  
44100
- ZIMBABWE  
Bulawayo  
National University of Science &  
Technology  
Department of Architecture  
P.O. Box AC 939 - AscotCnr.
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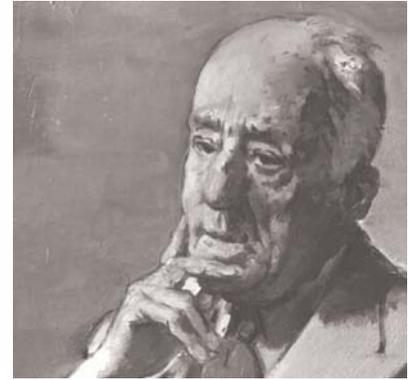
**Architecture  
Schools in Europe**

## Higher Institute of Architectural Sciences Henry van de Velde

Mutsaardstraat 31  
B 2000 Antwerpen  
Belgium  
Tel : +32+32317084/85  
Fax : +32+32260411

e-mail : vdv@ha.be

Application deadline : 01/10  
Tuition and fees : 500,00 euro



### Degree programmes

Degree	Title	Minimum	Accredited duration of study	Admission	Enrolment requirements
Undergraduate course	Candidate in architecture	2 years		diploma of higher secondary education	/
Graduate course	Architect	3 years	after 2 years practice: professional membership no registration	diploma of candidate in architecture (bachelor in architecture)	/
Graduate course	Interior Architect	2 years		diploma of candidate in architecture	/

\* From the academic year 2002-2003 on, conform to the Bologna-Declaration, the programs of the two candidate years and the two or three further years to obtain the diploma of interior architect and architect, are with respect to content adapted to the Bachelor and Master programs.

### General Information

The Higher Institute of Architectural Sciences Henry van de Velde is in its origins the oldest institute in Belgium that offers an educational program in architecture.

It was originally part of the Royal Academy of Arts, already founded by Royal Decree on July 6th 1663 of Philip IV, King of Spain. At that time Architecture was a part of the Fine Arts, as did Sculpture and Painting. During the next centuries and especially from the 20th century on, the architectural section became more independent and took different names as National Higher Institute of Architecture and Urbanism, Higher Institute of Architecture and Urbanism. Famous professors were Léon Stynen, Renaat Braem, Edouard Van Steenberghe and Georges Baines, all strong defenders of modern architecture. This modernist tradition is still going on, but adapted to the complexity of the actual world.

From 1996 on, the architectural section, including the education for interior architect, became a fully independent department with the name of Higher Institute of Architectural Sciences Henry van de Velde, a College of Architecture belonging to the University Association of Antwerp. At the beginning of the academic year 2000-01, a new department was set up, namely the Department of Design Sciences, which stemmed from the merger of the Higher Institute of Architectural

Sciences and the Higher Institute of Product Development. In addition to the two higher institutes, the new department also consists of a Research Center called D(esign) Science Lab(oratory). Since 1998-99 studios are introduced whereby students in the 3rd, 4th and a large part of the 5th year work together. The other last year students work separately on a theoretical thesis, that forms part of the research programs of the Institute. In total there are around 800 students, from which the annual intake is about 180 students. There is a 40-50% dropout. Students are applying from different European countries, mostly of course from Belgium, but also from Germany, France and especially from the Netherlands. Even some students from Rumania, Canada and the U.S.A. (University of North Carolina, Charlotte), followed the last years. Because our participation in the Erasmus Socrates program, the Henry van de Velde Institute collaborates with a great number of outstanding architectural institutes all over the European Union, and even with the U.S.A. (Carnegie Mellon University, Pittsburgh and University of California, Berkeley). Lectures are mostly given in Dutch, but for foreign students there is a special studio in English.

### Facilities

The Henry van de Velde Institute is situated in the center of the historic city of Antwerp, on the grounds of the former cloister of the Austin friars. From 1819 on, city architect Pierre Bruno Bourla transformed these buildings during several years, in a campus 'avant-la-lettre' for the different sections of the Art Academy. Antwerp is the largest city of Flanders (480.000 inhabitants) and only 30 miles away from Brussels, the capital of Belgium and Europe. It is the only architectural school in the Province of Antwerp. The city of Antwerp was during the 16th century one of the largest in Europe and was during the 17th century well known for his famous artists like Peter Paul Rubens, Anton Van Dijck and Jacob Jordaens. The Department houses all the facilities needed for teaching. There is a library of about 35.000 titles and a historical section with books on theory of architecture going back to the 16th century. A fully equipped CADLab and a up-to-date plotcenter, linked in a network of 125 workstations for educational purpose and internet access, and modeling hall can be used.

### Educational Program

The studies for architecture take five years; for interior architect four years. The undergraduate degree in architecture (2 years) is common for both programs and gives access to the graduate level either in architecture

(3 years) or in interior architecture (2 years). The undergraduate level should provide for a broad foundation of knowledge, methods and techniques.

At the graduate level full emphasis is laid on project oriented education. The technical scientific knowledge and the social scientific one are integrated in the design exercises at a maximum level. In each design exercise specific aspects will be questioned. These accents will define the specific identity of each studio at graduate level. In this manner the studios are thematically distinguished and 'vertically' integrated. Students of the 3th, 4th and 5th year are working together in a same studio. The 'final project' is the coping some of the graduate educational program. The 'graduation project' is done on an individual basis within a specific design-studio. It is supervised by a group of tutors chosen in function of the specific studio under supervision of the studio-master, who is always a professor or lecturer in architectural design. Within the total curriculum it is aimed at an equally division between so-called 'contact time', 'tutor time' (in group or individual) and 'self study time'.

The complete curriculum both at undergraduate and graduate level is offered by 4 educational units:

1. Design unit: subdivided in an architectural design unit and an interior design unit.
2. Science and Technology unit.
3. Culture-Environment-Society unit.
4. Applied Design Communication unit.

The educational units transfer their knowledge, methods, techniques and skills on 3 levels of knowledge transfer:

1. The level of scientific theory
2. The level of scientific application
3. The level of design application.

To make the knowledge transfer operational, distinction is made between 3 teaching modes in addition to self-study in the multimedia self-study center:

1. Lectures
2. Seminars, labs and practica.
3. Design-studios.

There are about five architectural design-studios, dealing with the next four themes:

1. Technical and environmental aspects; sustainability.

2. Urbanization and urban development.

3. Architecture and culture.

4. Architecture and Theory.

The final-project consists of two parts:

- a design project
- a theoretical or technical study.

The student has two options. Either he/she chooses for an elaborated architectural design project (see above) in combination with a theoretical/technical study related to his/her design project. Either he/she chooses for a theoretical thesis. In this case the student is allowed to choose his/her own topic and supervisor in relation to the research-program of the department. The research program consists of basic research and of research by design. All study-programs and their study-load are based on the ECTS-Credit Point System. Distinction is made between direct contact time, tutoring time and self study time. The total sum expressed in hours per educational module is called the 'total study-load' of a module. Each year has a total study load of 60 ECTS-points.

From the academic year 2002-2003 on, conform to the Bologna-Declaration, the programs of the two candidate years and the two or three further years to obtain the diploma of interior architect and architect, are with respect to content adapted to the Bachelor and Master programs.

#### Post graduate program

Students with the degree of architect or interior-architect can specialize themselves at different post graduate programs at universities or at educational institutes, belonging to the Flemish Community (ARGO). For instance, a program for Urban Planning (2 years) and one for Restoration (2 years).

#### Research program

The Henry van de Velde Institute organizes their research program on four different levels:

1. Basic Research: this research is connected with different themes of the four research programs of the Higher Institute of Architectural Sciences Henry van de Velde: architecture and theory, technology and environmental studies (ecology), architecture and theory, urbanization and urban development. Some of the research programs are actually

discussed with several departments belonging to the University Association Antwerp and from other universities. Last year students can choose for a thesis topic belonging to this basic research programs.

2. Research by Design: project oriented research, organized with other architectural institutes and universities (e.g. the TU Delft.). Here again, the themes of the different studios is related to the four already mentioned research programs.
3. Research by participating in social programs in the field of the public space.
4. Doctoral research: in collaboration with several universities.

#### Student activities

Students can participate every year in an international academic event: the Antwerp Design Seminars and Lectures, or ADSL week. Its aims consist of a cross-boundary thinking and an interdisciplinary approach to design problems. Each invited workshop-leader organizes a one-week workshop on a particular design-related subject. There are also lecturer series where architects and professors can present their latest works and achievements.

#### Administration and staff

The department employs 21 full-time and 52 part-time scientific staff. Most of the part-time assistants, lecturers, senior lecturers and professors are practising architects and engineers. The other are specialists in related fields to architecture, as sociology, ecology, philosophy, law etc. A small number of visiting lecturers are invited.

Head of Department:

Prof. ir. arch. R. Foqué, m. sc.

Chairman of the Design-unit:

Prof. arch. Jef Van Oevelen

Chairman of the Construction-unit:

Prof. ir. A. Bladt and Prof. ir. arch.

L. Denissen

Chairman of the Culture-Environment-Society-unit

Prof. dr. ir. arch. P. Lombaerde

Chairman of the Applied Design – Communication – unit:

Prof. M. Muylle, m.sc.

Organisation of the ADSL-week :

Dr. K. Van Cleempoel

■

# Hogeschool voor Wetenschap & Kunst

## Institute for Architecture Sint-Lucas

Paleizenstraat 65                      Hoogstraat 51  
 B-1030 Brussels                      B-9000 Gent  
 Belgium                                      Belgium  
 Tel. : +32 2 242 00 00                  +32 9 225 10 00  
 Fax : +32 2 245 14 04                  +32 9 225 80 00

www.sintlucas.wenk.be

Application deadline: 1st of September

Tuition and fees: 499,59 Euro

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture	Bachelor in Architecture	6 semesters		Secondary education or equivalent	692
Interior Design	Bachelor in Interior Design	6 semesters		Secondary education or equivalent	138
Interior Architecture	Master of Arts in Interior Architecture	2 semesters		Bachelor in Architecture	37
Architecture	Master of Science in Architecture	4 semesters		Bachelor in Architecture	278

### General Information

The Hogeschool voor Wetenschap & Kunst is one of the largest Hogescholen of Flanders. The Hogeschool was founded in 1995 as a grouping together of 8 former Institutes, all of high level in their own field. One of the key issues during the foundation was synergy and mutual benefits between study and research fields. The Hogeschool has campuses in Brussels, Ghent, Leuven and Mechelen.

The Institute of Architecture Sint-Lucas has a long tradition (since 1862) and high reputation in architectural education. It derives its uniqueness from this long tradition, from the collaboration between courses in integrated study fields and from the interaction of the design studios and the theoretical courses. A large number of leading architects in Flanders is teaching at Sint-Lucas. The Institute for Architecture Sint-Lucas is the largest entity of the Hogeschool voor Wetenschap en Kunst; about 1300 students (50% of which are female) are trained to become critical and creative professionals and skilled designers. Moreover Sint-Lucas is involved in research projects and provides service to society. International activities include student and staff exchanges as well as research and training projects. It participates in the European programmes (SOCRATES, LEONARDO, ALPHA, EU-Japan, EU-USA...). This is supplemented by international visiting professors and lecturers in all parts of the curriculum. Student and teaching staff participation in international activities has increased enormously during the last years.

Since 2002, Sint-Lucas Architecture is part of the K.U.Leuven association in order to develop collaboration in the field of education and research.

The study for architecture is a full-time five-year course. Interior architecture takes four years and interior design three. The curriculum basically consists of three parts: architectural theory, building techniques and design activities. Emphasis is on the integration between these three main areas. Lectures are generally given in Dutch; teaching material such as lecture notes are also mostly in Dutch. A fourth year is offered in English and operates partly as an international classroom.

### Facilities

Sint-Lucas is located on two campuses. One campus is situated in Brussels. As Brussels is capital of Belgium and Europe, studying in Brussels offers the possibility to be in contact with an interesting mixture of cultures and ideas and to study a capital city intensively. Owing to its location in Brussels, students of the campus in Brussels can benefit from all facilities of the capital.

Another campus is located in Ghent. Ghent is an inspiring student city. Its medieval centre is a cultural attraction pole with a wide variety of theatres and important music and film festivals. Ghent is art; ranging from the highly reputed museum of contemporary art SMAK (Stedelijk Museum voor Actuele Kunst), the Design museum, Sint-Lucas' own exposition hall the "Witte Zaal" to the museum of science (at the university). Contemporary art in an historic con-

text and the presence of the harbour area are a few of its many challenges.

Both campuses house all the necessary facilities for teaching and research: a large library with many books on architecture and arts, subscriptions to numerous periodicals, video, slide and cd-rom library, a fully-equipped CAD-studio (located near to the design studios), Internet connections, ...

The facilities are supplemented by large archives on architects and architecture available through sister organisations.

### Educational programme

Bachelors : Interior design (professional oriented, 6 semesters, 180 credits) and architecture/interior architecture (scientific oriented, 6 semesters, 180 credits).  
 Masters : Interior architecture (2 semesters, 60 credits), architecture (4 semesters, 120 credits).

The curriculum is divided into three main areas: architectural theory, building techniques and design. The design studio is the heart of the training and forms a tripartite cluster of design activities: urban planning (collective), architecture (unit) and interior (part).

The didactic approach is built around a combination of knowledge-based and problem-based education. The first approach dominates in the beginning and gradually decreases, while on the contrary the second approach increases from beginning to the end.

During the first and second year, activities shift from architectural oriented action towards architectural oriented design. The training starts by freeing the candidate from preconceptions. This demands an approach based on practical experience, assessing the creative ability present. The student finds himself in confrontation with the mechanisms of formal and creative activity. He carries out exploration activities into conceptual architecture and forms of art. Given the difficulty in describing the nature of so-called 'creative powers', the evaluation of the first year is 'chance-giving' rather than excluding. In the second year the relativity of the personal creativity is demonstrated and the specificity of architectural creativity is made clear: architecture is built with materials and architecture is situated in a context. The second year is concluded with a housing project.

During the third, fourth and fifth year, the student himself can make several choices for projects, option courses, ... The education takes the student from architectural design to an individual view on architecture. The third year plays a key-role in this process: practical projects with limited extend, usually working on urban scale and technical structure and construction. It is concluded by a project evaluated by a jury.

In the fourth and fifth year there is, beside more detailed study of architectural aspects, increasing development of the individual position of the student: extensive projects of increasing complexity, social and moral implications of architecture, economic and technical demands of execution.

In the final year the student is approached and evaluated as a potential architect. Design has to cover all the dimensions of architecture and show the authentic choices of an architect. The student has a promotor for his work: location, program, analysis, synthesis, design, ...

#### **Postgraduate programme**

Post academic training becomes a necessary part of today's live. As such the Institute for Architecture Sint-Lucas is increasing its efforts in this field. Evening courses are organised throughout the academic year. On the campus in Ghent a three year

postgraduate course in Urban Planning is organised. This is accredited by the Union of Planners.

Furthermore, modules in urban project management are organised on both campuses.

The courses we offer are multidisciplinary, and tend to complete and deepen the basic type of education. They are dynamic and follow closely today's needs. Please consult our website for recent information.

#### **Research programme**

Research at Sint-Lucas is organised at three levels: individual research of professors, structured research groups and structural research projects.

Individual professors are active in the field of their own discipline. A wide range of field is covered e.g. history of architecture, urban planning, CAAD. Frequently these research activities are taking place in collaboration with other universities.

The Sint-Lukasarchieef is creating and extending an inventory of important cultural heritage (especially focusing on the Brussels Region). Another unit is focusing on the urban planning of important cities (Brussels plays a key role in most of the studies).

There are several structured and formal projects. There is a group working on technical building know-how (in collaboration with the WTCB) where climate handling is a key topic. A group is playing a key role in the planning of the city of Ghent focusing on historical evolution and the contemporary urban situation. Moreover Sint-Lucas was active in the discussion on the Global Flemish Structure Plan.

A co-operation agreement has been signed between Sint-Lucas and the Catholic University of Leuven to start a Maerlant Centre. This centre focuses on the historical meaning of important historical sites.

The Leonardo da Vinci pilot project AVOCAAD (Added Value of Computer Aided Architectural Design) develops course materials (available through an interactive web-site) for stimulating students and young architect to

reflect on innovative design possibilities offered by new technology.

The project {ACCOLADE} focusses on the use of digital media to support collaboration between design partners.

#### **Student activities**

On both campuses student organisations are active (U4IA, ARCHEIN). They organise social (including student dancing parties) as well as cultural activities (film, ...).

Moreover, there is a social organisation connected to the campus which supports the students and enhances the study environment. This organisation is active in the fields of housing, student cafeteria, social problems, psychological help, sport, culture, ...

#### **Administration and staff**

Sint-Lucas employs 59 full-time and 98 part-time teaching staff, among which most of the leading Flemish architects.

Head of the faculty of architecture  
prof. A.J.L. Janssens

Steering Committee

D. Boutsen

G. Van Hecke

dr. J. Verbeke

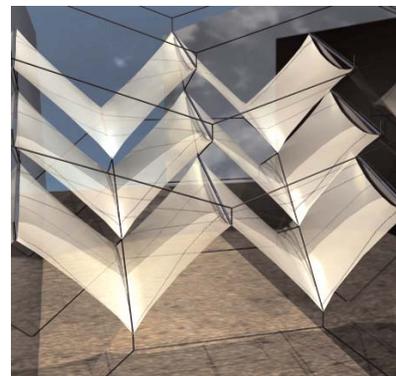
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# Vrije Universiteit Brussel

Faculty of Applied Sciences  
Department of Architecture

Pleinlaan 2  
B-1050 Brussels  
Belgium  
Tel. : +32-2-6292840  
Fax : +32-2-6292841  
www.vub.ac.be  
wwwtw.vub.ac.be:80/ond/arch/

Application deadline : end October  
Tuition and fees : 16.600 BEF, 415 Euro



## Degree programmes

Degree	Title	Minimum duration	Enrolment
Architectural Engineering	Ir	5	120

### The VUB or Vrije Universiteit Brussel: General information

#### History

"Independently of all political or religious authority, to study the major questions of man and society, to inquire critically into the origins of the true and the good - this is the role of our university, and its very reason for being."

With these words in an address to King Leopold I of Belgium ThÇodore Verhaegen described in 1854 the vocation of the ULB, the French speaking university which, over a century later, was to give rise to the Dutch speaking VUB. From 1955 on, a range of courses for Dutch speaking students was developed within the ULB. This evolution resulted in the foundation of the independent, though closely related Dutch speaking VUB in 1970. Both institutions share the same humanist, free thinking ideology with an emphasis on critical research and inquiry.

The VUB offers complete university curricula, from undergraduate over graduate to postgraduate. Lectures are generally given in Dutch.

#### Location

The main campus of the VUB is campus Oefenplein (in Elsene). It is situated on the south side of Brussels and is relatively easy to reach by car. One can also take the tramway to the VUB, travel by train (station Etterbeek) or use the Metro (station Pitillon).

#### Size

In the academic year 1997-98 no less than 550 professors, assisted by 367 members of the assisting academic

staff, and some 90 guest professors gave classes to about 8500 students. Our institution is the third largest of eight universities in the Dutch speaking part of Belgium.

#### The Faculty of Applied Sciences

The Faculty of Applied Sciences offers the degrees of Constructional, Chemical, Material Science, Electrical, Mechanical-Electrical Engineering and Engineering-Architecture (a full-time five-year course) and is located at the campus Oefenplein.

For admission as a student at the Engineering-Architecture degree one has to pass an entrance exam on mathematics and drawing and has to write an essay.

The engineering-architecture program is specific from the first year. Practical exercises and studio work represent an important aspect of the program. The number of students is small, which allows the students to make use of all labs or workshops equipment (wind tunnels, acoustic testing...). Teaching occurs in groups of about 25 students. The Faculty is a young one, and although one may point out the lack of tradition, it stands for a dynamic and innovative unit.

#### ECTS at the VUB

In 1995 the Vrije Universiteit Brussel was selected to participate in ECTS within the framework of the Erasmus programme (now under SOCRATES). During the academic year 1996-97 the VUB began with the implementation of ECTS. The intention from 1998-1999 onwards was to fully apply the ECTS system and procedures ([http://www.vub.ac.be/DOZ/ECTS\\_WEB/ECTSoptionN-E.htm](http://www.vub.ac.be/DOZ/ECTS_WEB/ECTSoptionN-E.htm)). Collaboration

and exchange of students and staff with international universities is stimulated.

#### Student Facilities & Services

##### Language courses

The Institute for Language Training (ITO) organizes (non-intensive) language courses during the academic year, for beginners level as well as for advanced level. These courses are considered as extra optional courses, so no extra fee has to be paid.

The main library ('centrale bibliotheek') is located on campus Oefenplein. The library is equipped with so called 'VUBIS' terminals. VUBIS is the VUB library information system and was set up to enable students to easily gather information on the availability and the exact location in the library of the specific books and/or magazines they are looking for. Students can also use the ULB library, which is very close, or go to the Royal Library (Albertina) in downtown Brussels. These three libraries provide the students with access to virtually all scientific periodicals.

##### Computer facilities

There are several rooms equipped with modern computers at the disposal of the students. The opening hours are very flexible and most of the time one can call on someone for assistance.

On these computers one will find the most recent and professional software for word processing, making spreadsheets, performing statistical analysis, drawing, modelling, rendering or animation. The faculty places great emphasis on the use of compu-



ters (CAD, CAE, and CAM) for the simulation of designs. All students can also utilize e-mail and Internet services for free.

### Sports

The sports hall, situated on campus Oefenplein, is equipped with several indoor halls, a swimming pool, sauna, fitness-equipment, tennis and squash courts, etc. During the lunch breaks and evenings, one can take lessons in different sports. There's also an outdoor sports field.

### Cultural and leisure activities

The party venue on campus Oefenplein is called the BSG (situated under building F). In the KK (KultuurKaffee) one can attend free forums and concerts.

The VUB is located in the biggest city in Belgium, and Brussels is also the capital of Europe. As such, the city offers an exciting and stimulating environment for the university. The lists with concert halls, theatres, galleries, museums, cinemas, cultural centres, etc. are practically endless. Performances can be found in Dutch, French as well as in English.

### Pantheon student association

The student association has been founded some years ago when the number of students was rather small. Pantheon was its name and it proved to be a solid platform to induce activities. Pantheon is notoriously known for its architectural happenings and actions. Unlike other student associations, Pantheon is well involved in the organisation and education of the department of architecture due to its open-minded policy. Another aspect is to bring architecture in discussion by organising architectural trips, debates or exhibitions and linking theory to practice. Last but not least is Pantheon necessary social glue between all students and educational staff.

### Educational programme

The study in the domain Architectural Engineering at the universities in Belgium takes five years; two years (first cycle/first degree) and a further three years (second cycle/academic degree). Graduates are awarded the title of "Burgerlijk Ingenieur-Architect" (Civil Engineer-Architect). During the first two years, students acquire their basic knowledge.

Besides courses in basic sciences like mathematics, informatics, chemistry, physics... the courses are subdivided in three equivalent categories:

- Architectural sciences (Theory and history of architecture, logic...)
- Building technology (Mechanics, construction, building materials...)
- Learning to design (Design studio, morphology, CAD...)

In the third, fourth and fifth year:

- Architectural sciences, urban and environmental planning, and design methodology represent the central core in which the architectural, human and applied sciences are integrated.
- The required scientific knowledge is taught in courses on stability, structural engineering, building physics, construction technology (wood, steel and concrete) and equipment technology (electro-techniques, thermodynamics, lighting, acoustics, domotics...)

Students can choose optional courses in order to emphasise their preferences, solar energy, CAD techniques, system theory, cultural studies, preservation of historic buildings, actual development in architectural sciences...

Apart from the design project, in the fifth year, students are writing a thesis, which is a report of a research activity in one of the scientific domains (e.g. tensile structures, restoration techniques, building technology...). During the education a strong accent is put on polyvalency, the "universitas" and humanistic values. Teaching is scheduled in two semesters of 15 weeks, starting on October the first and finishing in the beginning of July.

### Research programme

Research plays a very important role at the VUB. Most of the research projects are a co-operation between the VUB and a federal institution, industries, the European Commission or an international organisation.

The research in the Department of Architecture is concentrated on the formfinding and design of tensile structures, the contemporary design strategies and the pedagogical methodologies in architectural education and the renovation and fire safety of buildings with cast iron columns.

### Tensile Structures

The current research project on Tensile Structures is aimed at the development of a building system consisting of flexible membrane elements that can be combined in several ways to form large membrane spans of different form and size. The main idea is to develop separate but compatible membrane parts and components to build load-bearing structures.

### The architecture of pedagogical constructions in architectural education

The research is focused on finding and defining strategies in contemporary architectural design methodology and applied in the architectural education, relevant to a permanent changing and complex social and cultural environment. The design studio is seen as a laboratory where disciplines 'in-between', e.g. in between architecture and engineering, enrich simultaneously discourse and profession. Key concepts involved are invention, conceptual innovation, abduction based on imagination, pedagogical tectonics.

### Administration and Staff

Dean of the Faculty of Applied Sciences:

Prof. J. Tiberghien  
Chairman of the Educational Committee:

Prof. W.P. De Wilde  
Head of the Department of Architecture:

Prof. M. Mollaert

Secretary:  
M. Koll

■

# Instituut Superieur d'Architecture

## Saint-Luc Bruxelles

Chaussée de Charleroi, 132-134, 1060 BRUXELLES

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 Fax : 32 (0) 2 539 40 69  
 E-mail : administration@st-luc-brussels-archi.be  
 http : www.st-luc-brussels-archi.be

Application deadline : 15 november

Tuition and fees (for nationals of a European Union country):

690,00 euro in the 1st, 3rd and 4th years

765,00 euro in the 2nd and 5th years

### Degree programmes

Degree	Title	Minimum duration of study	Enrolment
First cycle	Diploma of candidate in Architecture	2 years	
Second cycle	Architect	3 years	Total 400

### General information

ISASLB is a full-term (five years of studies) artistic university institution. The total number of students is around 400. Since June 2002, ISASLB is part of the Association de l'Enseignement Supérieur en Communauté française (AESCF), that includes 39 university level institutions, representing more than 60.000 students, in the french-speaking community in Belgium. ISASLB conforms to european directives (85/384/CEE, etc.) on the teaching of architecture. It was founded in 1904 by the Frères des Ecoles Chrétiennes, in the commune of Saint-Gilles-lez-Bruxelles, which became urbanised during the last half of the 19th century. ISASLB is still one of several Saint-Luc institutes located in the same neighbourhood in the Brussels area. The offices, auditorium and courses rooms are all located near Place Paul-Emile Janson. ISASLB students can also take certain optional courses at the Institut Supérieur d'Urbanisme et de Rénovation urbaine (ISURU), located at Victoire street, 177, 1060 Brussels. ISASLB takes part in the European Credit Transfer System (ECTS).

Through Socrates-Erasmus, ISASLB has contacts and exchanges with :

- 1 Universitat politecnica de Cataluna (Barcelona)
  - 2 Università di Firenze
  - 3 Ecole d'architecture de Grenoble
  - 4 Universitat Fredericiana (Karlsruhe)
  - 5 Ecole d'architecture de Nantes
  - 6 Univ. of Newcastle upon Tyne
  - 7 Université Aristote (Salonique)
  - 8 Ecole d'architecture de Strasbourg
  - 9 Tampere University of Technology
  - 10 Istituto universitario di architettura di Venezia
- ISASLB also has contacts and exchanges with the University Mc Gill (Montreal).

### Facilities and services

The main building is located at 132-134, Chaussée de Charleroi : it houses chiefly the board of directors, the secretariat, the administration and the architecture workshops. Computers (with internet service) are spread in various rooms in close relation with the architecture workshops. Most of theoretical courses are organised in the Forum, at the corner of the Irlande street and the Maurice Wilmotte street.

### Library and the mediathèque

The Forum also gives access to the library. It is a scientific library, supplemented by teaching and by the dissemination of information, with all the tools of a documentation centre focused on architectural and artistic research. The subjects covered in the library reflect the subjects taught at ISASLB. The library is computerised. All of the works (books and magazines) are in the library's internal database, that students may consult. Students have also access to a serie of documentary research CD-ROMS in the areas of architecture and plastic arts, and the possibility to search for documents on the internet. A photocopy service is available to readers. A mediathèque is also open to the students.

The Chaussée de Charleroi building also houses a social service (Contact : Mrs. Liliane Van Camp), where it is possible to get information on jobs offered to students, scholarships, various grants, student housing, etc.

### Circle of students

The Circle of Students is a non-profit association and was founded in 1973. It is composed of students appointed by their peers. At the beginning of each calendar year, elections are held in the various course years in order to determine the delegates who will

participate in the Council of the Institut Supérieur d'Architecture (CISA). These delegates play an important role as mediator between the students of their year and professors and between students and the school's directors. The members of the Executive Board are elected from among the delegates. The Circle of Students organises various events and conferences. It works closely with the social service. It has a local site (Maurice Wilmotte street, 68) open to everyone. The main purpose of this site is social. Students may come there to eat lunch at a low price.

### A.R.C. (Architecture – Research – Communication)

The association includes architects, students, professors and friends of ISASLB. Its primary purpose is to create links and special contacts between members and friends through cordial and professional contacts through the use of media and research. The association publishes an information bulletin.

### Educational programme

#### Organisation of studies

The five-year programme is divided into a first cycle of two years and a second cycle of three years.

- The first cycle (1st and 2nd candidature) leads to the degree of candidate in architecture. It includes required courses spread over both years. It also includes an internship, which, contrary to the other courses, is not graded, but is required in order to obtain the degree of candidate in architecture (see « Internships »).
- The second cycle (3rd, 4th and 5th architecture) confers the legal degree of architect. This title is protected by the belgian laws of 11 september 1933

and 20 february 1939. It includes required courses spread over the three years, as well as optional courses organised in different families (see « Optional Courses »). It also includes a non-graded internship, which is required in order to obtain the diploma (see Internships).

During the second cycle, students must also undertake and present an end of studies dissertation (see Dissertation). Each year, optional preparatory courses are organised before the beginning of the academic year, for students who are about to begin their first year.

#### Annual calendar

The annual calendar is divided into three main periods, which are separated by two examination periods.

- First period (1st semester) : it begins the third monday of september and ends with the Christmas vacation. It includes roughly 13 weeks of courses in which theoretical courses and architectural projects are taught.
- January partial examinations : these examinations are scheduled after Christmas vacation in the first 4 years of study (1st and 2nd candidature and 3rd and 4th architecture). In the 5th architecture, there is no examination in january, but courses are suspended in order to enable students to complete their dissertation.
- Second period (2nd semester) : it includes 13 weeks of courses in which theoretical courses and architectural projects are taught.
- End of year examinations of theoretical courses : this period lasts 3 weeks.
- Third period : in the five years of studies, the last weeks of the academic year are exclusively reserved for architectural projects. This period comes to an end with the juries of these architecture projects, followed by deliberations (end of june-beginning of july).

#### Obligatory courses

All the obligatory courses are organised in 9 families.

- 1 Architectural design (Architectural projects)
- 2 Study and representation of space and form (Study of forms, Drawing, Descriptive Geometry, Topography)

- 3 Theory and history of architecture (History of architecture, Theory of architecture)
- 4 Human sciences (Philosophy, Sociology)
- 5 Environmental sciences (Geology, Concepts of ecology, Vegetation and architecture, Perceptions and practices of the constructed environment, Town and country planning)
- 6 Exact sciences (Mathematics, Computer science, Chemistry, Construction physics)
- 7 Structure and construction (Mechanics, Materials resistance, Construction technology, Materials technology, Mechanical services)
- 8 Economics (Construction economics)
- 9 Study and practice of the profession (Real estate law, Town planning law, Ethics, Professional practice)

#### Optional courses

Most of optional courses are spread over four families.

- The family Pathology and therapy is for students interested in scientific and technical research in the art of building, who wish to make an in-depth examination of the legal aspects specific to the art of construction.
- The family Town planning includes courses organised to permit students to acquire the theoretical foundations and principles that feed the practice of the architect who deals with town planning issues.
- The family Heritage introduces to the problematic of the preservation, protection and promotion of the architectural and landscape heritage.
- The family Management and environment includes courses linked to the central concept of constructive environment into environment in a large sense.

#### Dissertation

The end-of-studies dissertation may be described as a reasoned thought on a specific architectural subject.

Two types of thesis are possible :

- a research project : here, the author chooses a subject that has not been addressed in a in-depth manner, by contributing new observations and complimentary experiences

- a summary project : in this case, the author summarises the work of others in a given area, so that the thesis may be prospective, critical or simply documentary.

The most common type of dissertation is written. However, other forms are possible, such as drawings, videos, or computer support.

#### Internships

The purpose of these three-weeks internships during the first and second cycles is to offer students the chance to become familiar with activities and circuits related to the act of building. These internships should help to establish a link between student mentalities formed by the school and those that are active in the professional world, by an enhanced knowledge of the players who are active in building.

#### Research and publications

The CERAA (Centre d'Etudes, de Recherche et d'Action en Architecture) is an association whose purpose is the study, research, information and action in architecture according to the broadest meaning of these words. It participates in the teaching of architecture, and establishes a link between theory and practice from a multi-disciplinary perspective. Among various activities, the CERAA organises an annual conference on themes linked to the problematic of sustainable development. The CERAA's publication is *Questions*. The publication of the ISASLB is *Références*.

#### Administration

Board of Directors:

Director:

Dr. Arch. Philippe Gruloos

Head of studies:

Dr. Ir. Arch. François Nizet

Architectural workshop

co-ordinators:

1st and 2nd candidature, 3th and

4th architecture:

Prof. Jean-Paul Verleyen

5th architecture:

Prof. Joseph Polet

Secretariat:

Students supervision:

Lorenzo Spangaro,

Monique Van Deun

Courses administration:

Serge Vallet

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# Provinciale Hogeschool Limburg

## Departement Architectuur en Beeldende Kunst

Universitaire Campus  
Gebouw E, B-3590 Diepenbeek, Belgium  
Tel. : +32 11 24 92 00  
Fax : +32 11 24 92 01  
www.phlimburg.be  
architectuur@phlimburg.be

Application deadline : 1 February  
Tuition and fees : Exchange students (Socrates-Erasmus, Tempus bilateral programmes): no fees.  
EC citizens : 495 euro  
Non EC citizens : 1200 euro

### Degree programmes

Degree	Title	Minimum duration	Accredited	Admission requirements	Enrolment number ± 350
Architecture	Candidate in architecture	2	Flemish government	humanities	200
	Architect	3	Flemish Government  Order of Architects After 2 years of guided practice.	Candidate Architect	135
Interior Architecture	Candidate in architecture	2	Flemish Government	humanities	
	Interior Architect	2	Flemish Government	Candidate Architect	20

### General information

The "Departement Architectuur and Fine Arts" is one of the six colleges of higher education that merged in the Provinciale Hogeschool Limburg. The Hogeschool has about 4000 students, about 300 teaching Staff and three locations: Hasselt, Diepenbeek and Tongeren. It is controlled by the authorities of the Province of Limburg and belongs to the public sector.

The original School of Architecture was founded in Hasselt in 1957. In 1987 the school moved to a new purpose built complex on the LUC campus (Limburgs Universitair Centrum) in Diepenbeek. In 1995 it was integrated in the Provinciale Hogeschool Limburg.

### Educational programme

*Language: Dutch.*

Studies in the Section of Architecture are divided into two cycles. The first cycle lasts two years and leads to a Candidate Architect diploma. The second cycle lasts three years and leads to an Architect diploma (AR) or two years for an Interior Architect diploma (IAR).

Courses are subdivided under the following headings:

- Architectural Design: architectural design, visual communication and design, environmental sciences, theory of design and design methods;

- Building technology: exact sciences, architectural engineering and technology;
- Cultural sciences: humanities, philosophy, architectural history and theory.

In the second AR-cycle students can take an optional course (8 ECTS) chosen from the following : Architectural Design, Architectural Theory and criticism, Building physics and Technology in Design, Urban ecology. In direct line with this optional course the students write during the last two years a dissertation on a theoretical topic related to architecture / interior architecture.

Research programmes within the scope of the optional courses are developing. Research in the field of Universal Design is integrated in the design studio of the third AR year. The research group "Architecture, mobility and environment" carries out research for external principals.

### English Language Programme

January/February through June/July. BelArch (Belgian Architecture) is an English- language programme set up especially for foreign students. The programme is conducted the second semester of each academic year.

The main topics in the fifteen-week programme will be:

- Actual developments in Belgian Architecture & Urban Development (ECTS 5)
- (Interior) Architectural design (ECTS 12)
- Analysis of recent projects. Study visits. (ECTS 7)
- Independent study. (ECTS 6)

In addition foreign students are advised to select some specific courses and subjects from the regular curriculum, such as CAAD, free hand drawing, colour & form, furniture design, etc.

Foreign students of architecture and students of related fields should at least have completed three years or six semesters of study, before arrival.

Students of interior architecture should have completed at least five semesters.

Each "BelARch" unit will have a maximum of 16 students and the number of foreign students will be balanced with an equal number of Belgian students to encourage integration and collaboration.

Although English is the language of instruction and of communication in the BelArch programme, foreign students are encouraged to study Dutch.

**Facilities**

The Department of Architecture on the LUC-campus is about 5KM east of Hasselt.

Bus trips to and from the campus are free of charge upon presentation of a valid PHL student card. A safe and very convenient bicycle road connects the town centre of Hasselt with the campus. Bicycles are quite popular in this geographically flat part of Europe.

Student rooms for exchange students are located in the town centre of Hasselt or in Diepenbeek in the rural surroundings of the campus, but we advise foreign students to rent a room in the urban centre of Hasselt. Approximate costs for one month (accommodation, catering, leisure, other expenses): 438 to 563 .

Central library and computer room.  
Bookshop  
Architectural library  
Computer facilities  
Free internet access to all students.

**Staff**

Head of the department of  
Architecture and Fine Arts:

Michel Vrancken

M.Vrancken@mail.phlimburg.be

Head of the faculty of Architecture:

Roger Liberloo

R.Liberloo@mail.phlimburg.be

Head of the faculty of Interior  
Architecture:

Walter Van de Wyngaert.

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# Hogeschool voor Wetenschap & Kunst

## Institute for Architecture Sint-Lucas

Paleizenstraat 65                      Hoogstraat 51  
 B-1030 Brussels                      B-9000 Gent  
 Belgium    Belgium  
 Tel.    : +32 2 242 00 00              +32 9 225 10 00  
 Fax    : +32 2 245 14 04              +32 9 225 80 00  
 Email : info@archg.sintlucaswenk.be  
 www.sintlucaswenk.be

Application deadline : 1st of September  
 Tuition and fees    : 470 Euro (or 1500 Euro).

### Degree Programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment % of Adm.
Architecture	Architect	5	Order of Architects Secondary education or equivalent	1148	90
Interior Architecture	Interior Architect	4	Secondary education or equivalent	39	3
Interior Design	Interior designer	3	Secondary education or equivalent	94	7

#### General Information

The Hogeschool voor Wetenschap en Kunst is one of the largest Hogescholen of Flanders. The Hogeschool was founded in 1995 as a grouping together of 8 former Institutes, all of high level in their own field. One of the key issues during the foundation was synergy and mutual benefits between study and research fields. The Hogeschool has campuses in Brussels, Ghent, Leuven and Mechelen.

The Institute of Architecture Sint-Lucas has a long tradition (since 1862) and high reputation in architectural education. It derives its uniqueness from this long tradition, from the collaboration between courses in integrated study fields and from the interaction of the design studios and the theoretical courses. A large number of leading architects in Flanders is teaching at Sint-Lucas.

The Institute for Architecture Sint-Lucas is the largest entity of the Hogeschool voor Wetenschap en Kunst; about 1300 students (40% of which are female) are trained to become critical and creative professionals and skilled designers. Moreover Sint-Lucas is involved in research projects and provides service to society. International activities include student and staff exchanges as well as research and training projects. It participates in the European programmes (SOCRATES, LEONARDO, ALPHA, etc.). This is supplemented by international visiting professors and lecturers in all parts of the curriculum. Student and teaching staff participation in international activities has increased enormously during the last years.

The study for architecture is a full-time five-year course. Interior architecture takes four years and interior design three. The curriculum basically consists of three parts: architectural theory, building techniques and design activities. Emphasis is on the integration between these three main areas. Lectures are generally given in Dutch; teaching material such as lecture notes are also mostly in Dutch. A fourth year is offered in English and focuses on Flemish and Belgian architecture.

#### Facilities

Sint-Lucas is located on two campuses. One campus is situated in Brussels. As Brussels is capital of Belgium and Europe, studying in Brussels offers the possibility to be in contact with an interesting mixture of cultures and ideas and to study a capital city intensively. Owing to its location in Brussels, students of the campus in Brussels can benefit from all facilities of the capital.

The second campus is located in Gent, a major city in the Flanders. The campus is located in an old renewed monastery in the centre of the city. As Gent also has several other institutes for higher education, student life is intensive.

Both campuses house all the necessary facilities for teaching and research: a large library with many books on architecture and arts, subscriptions to numerous periodicals, video, slide and cd-rom library, a fully-equipped CAD-studio (located near to the design studios) and Internet connections. The facilities are supplemented by

large archives on architects and architecture available through sister organisations.

#### Educational programme

Under Flemish law studies in architecture take five years, in interior architecture four and in interior design three. The first two years in architecture and in interior architecture are the same and lead to the diploma of 'kandidaat architect/interieurarchitect'. After two or three more years the student gets the diploma of architect or interior architect.

The curriculum is divided into three main areas: architectural theory, building techniques and design. The design studio is the heart of the training and forms a tripartite cluster of design activities: urban planning (collective), architecture (unit) and interior (part).

The didactic approach is built around a combination of knowledge-based and problem-based education. The first approach dominates in the beginning and gradually decreases, while on the contrary the second approach increases from beginning to the end.

During the first and second year, activities shift from architectural oriented action towards architectural oriented design. The training starts by freeing the candidate from preconceptions. This demands an approach based on practical experience, assessing the creative ability present. The student finds himself in confrontation with the mechanisms of formal and creative activity. He carries out exploration activities into conceptual archi-

ecture and forms of art. Given the difficulty in describing the nature of so-called 'creative powers', the evaluation of the first year is 'chance-giving' rather than excluding. In the second year the relativity of the personal creativity is demonstrated and the specificity of architectural creativity is made clear: architecture is built with materials and architecture is situated in a context. The second year is concluded with a housing project evaluated by a jury.

During the third, fourth and fifth year, the student himself can make several choices for projects and option courses. The education takes the student from architectural design to an individual view on architecture. The third year plays a key-role in this process: practical projects with limited extend, usually working on urban scale and technical structure and construction.

In the fourth and fifth year there is, beside more detailed study of architectural aspects, increasing development of the individual position of the student: extensive projects of increasing complexity, social and moral implications of architecture, economic and technical demands of execution.

In the final year the student is approached and evaluated as a potential architect. Design has to cover all the dimensions of architecture and show the authentic choices of an architect. The student has a promotor for his work: location, program, analysis, synthesis design, etc.

#### **Postgraduate programme**

Post academic training becomes a necessary part of today's live. As such the Institute for Architecture Sint-Lucas is increasing its efforts in this field. Evening courses will be organised throughout the academic year.

On the campus in Gent a three year postgraduate course in Urban Planning is organised. This is accredited by the Union of Planners.

Recently, a co-operation agreement with The Vlerick School of Management who is the leading organisation in this kind of teaching activities, was signed in order to raise the level of our postgraduate activities.

#### **Research programme**

Research at Sint-Lucas is organised at three levels: individual research of professors, structured research groups and structural research projects.

Individual professors are active in the field of their own discipline. A wide range of field is covered e.g. history of architecture, urban planning, CAAD. Frequently these research activities are taking place in collaboration with other universities.

There are two structured research groups: Sint-Lukasarchief en Sint-Lucas-Werkgemeenschap. The first is creating and extending an inventory of important cultural heritage (especially focusing on the Brussels Region) and the latter is focusing on the urban planning of important cities (Brussels plays a key role in most of the studies).

There are several structured and formal projects. There is a group working on technical building know-how (in collaboration with the WTCB) where climate handling is a key topic. A group is playing a key role in the planning of the city of Gent focussing on historical evolution and the contemporary urban situation. Moreover Sint-Lucas was active in the discussion on the Global Flemish Structure Plan.

In the near future, a co-operation agreement will be signed between Sint-Lucas and the Catholic University of Leuven to start a Maerlandt Centre. This centre will focus on the historical meaning of important historical sites.

The Leonardo da Vinci pilot project AVOCAAD (Added Value of Computer Aided Architectural Design) creates course materials (available through an interactive web-site) for stimulating students and young architect to reflect on innovative design possibilities offered by new technology.

In the ALPHA-project URB-MAN, a study is made on the educational systems and the recognition of urban planners in 6 countries of the EU and South America. The comparative study will lead to recommendations for the future.

#### **Student activities**

On both campuses student organisations are active (U4IA, ARCHEIN). They organise social (including student dancing parties) as well as cultural activities (film, ect.).

Moreover, there is a social organisation connected to the campus which supports the students and enhances the study environment. This organisation is active in the fields of housing, student cafeteria, social problems, psychological help, sport, culture, etc.

#### **Administration and staff**

Sint-Lucas employs 70 full-time and 86 part-time teaching staff, among which most of the leading Flemish architects.

Head of the faculty of architecture  
 prof. A.J.L. Janssens  
 Steering Committee  
 prof. H. De Witte  
 prof. dr. E. Lagrou  
 prof. G. Van Hecke  
 dr. J. Verbeke

# Katholieke Universiteit Leuven

## Departement Architectuur, Stedenbouw en Ruimtelijke Ordening

Arenbergkasteel  
 B-3001 LEUVEN (Belgium)  
 Tel. : ++32 16 32 13 61  
 Fax : ++32 16 32 19 84  
<http://www.asro.kuleuven.ac.be>  
 EAAE delegate: Prof. Herman Neuckermans  
 Tel. : ++32 16 32 13 66  
 e-mail : herman.neuckermans@asro.kuleuven.ac.be

Application deadline : annually at 1 May.  
 Tuition and fees : 1 8,500 BEF for a non-reduction registration



### Degree programmes

Degree	Title	Duration of study	Accredited	Admission requirements	Enrolment number +/- 400
Engineering -Architecture	Civil Engineer-Architect	5 years	Accreditation by Order of Architects after 2 years of guided practice	Humanities + entrance examination based on curriculum + entrance examination Language : Dutch	
Human Settlements	Master of architecture in human settlements	1 year		Selection based on curriculum Language : English	+/- 20
Conservation	Master of conservation of historic towns and buildings	2 years		Selection based on curriculum Language : English and French	+/- 25
Architectural Sciences	Dipl. complementary studies in arch. sc.	1 year		Dipl. Architect + selection based on curriculum	+/- 10
Urban Design and Planning	Dipl. specialised studies in urban design and planning	1-2 years		Selection based on curriculum Language : Dutch	+/- 20
PhD	Dr in applied sciences: architecture	4 years		Selection based on curriculum and research subject	+/- 5

Calendar: Academic year - courses: last week September - last week May  
 Examinations : first session: June ; second session : August-September

### General Information

The Department of Architecture is a part of the Faculty of Applied Sciences within the K.U.Leuven. The university was founded in 1425 and is one of the leading universities in Belgium. After 1968 it was divided into two entities, a Dutch speaking one and a French speaking one. The French speaking university, the Université Catholique de Louvain, is located in a new-built town (Louvain-la-Neuve) and has its own architecture department. The Dutch speaking university remains located in the historic town of Leuven, some 25 km away from Brussels. The undergraduate programme leads to the diploma of 'civil engineer', with a specialisation in architecture. Also four post-graduate programmes are offered, as well as PhD opportunities within the different research groups. Those willing to practice as an architect in Belgium, must perform a supplementary apprenticeship of two years, after graduation under the supervision of an experienced architect accredited as such by the Order of Architects.

### Brief history

The title of "engineer architect" was first issued in the academic year 1878-1879, when some "élèves spécialistes ingénieur-architecte" in Leuven took a separate study programme. The "engineer architect" programme has had a legal basis in Belgium since 1929. Up to 1961, the programme was given at the "écoles spéciales", which were founded in 1864 and belong to the Faculty of Sciences. In 1961 these "schools" obtained the status of "Faculty of Engineering". Up to 1967 the architecture programme at the K.U.Leuven was very technically oriented. As from the academic year 1967-1968, the programme has thoroughly been reformed so as to create more opportunities for the teaching of human and architectural sciences and for the introduction of comprehensive design training. Unlike the other engineering options, where one takes specialised courses from the third year on, the architecture programme introduces specialised courses from the first year on. This happens without affecting the com-

mon engineering basis. After 1967 the number of students increased significantly. Up to 1981 the architecture programme was part of the Construction Department. As from the academic year 1981-1982 it became part of the newly created Department of Architecture, Urban Design and Planning (ASRO). In 1992 the programme was again reformed in order to put more emphasis on design training and to introduce a specific entrance examination. This examination can be seen as a preview of the programme components. Altogether some 500 people (post graduate programmes included) presently study at the department. More than half of all "civil engineer architects" in Belgium obtained their degree at the Leuven university. The ASRO department is located in the Arenberg Castle. The present buildings are mainly 16th and early 17th century and were erected by the "de Croy" family. Remarkable features of the castle are the theatre, the drawing rooms ("salons"), the chapel and not in the least the typical onion-like spires.

### Facilities

The Arenberg castle is situated in the middle of a park (now campus) just outside the perimeter of the historic town centre of Leuven. Most of the courses are given on the campus, some optional ones take place in the town centre.

Each student can make use of a drawing table in his design studio.

Following the calendar, the studios remain open till the evening or midnight. The computer classroom is mainly used for CAAD exercises, and is freely accessible by the students in between class hours.

Besides, every K.U.Leuven student can rent a PC from the university on a yearly basis at a very low price, or use one of the general purpose computer classrooms scattered over the 3 campuses of the university. These provide no CAAD features, however. Students can also connect to Internet from home via Kotnet, a net that covers the whole city of Leuven. In the Gothic cellars of the castle, an arts&design studio as well as a model shop are installed. Students can build prototypes of furniture with technical support from staff.

### Educational programme

#### Architecture degree

This degree gives a broad basis for future work in the field of architecture and building construction.

As the programme is part of the engineering studies, there is a strong emphasis on scientific and technical basis foundation. However, equally important are the two other basic components of the curriculum: the architectural theory domain, supported by a selection of basic human sciences and the actual practice of designing, present throughout the five years of the study term.

An entrance examination tests mathematical knowledge and designing affinities of the candidate student.

#### Post graduate programme 'Human Settlements'

It is provided by the 'Post Graduate Centre Human Settlements', which has from the beginning co-operated with the United Nations Centre for Human Settlements.

The programme focuses on issues of housing, building and planning in a context of development under

scarce resources and pressing environmental constraints. The close interaction between housing and urban development is given particular attention to. PGCHS emphasises on architecture and urban design without neglecting relevant environmental, social and economic issues. This programme is taught in English.

#### Post graduate programme 'Conservation'

Taught at the Raymond Lemaire Centre for Conservation, the programme offers students having a specific university degree (architecture, engineering, archaeology, art history) the opportunity to specialise in the field of conservation and restoration of monuments and urban and rural historical sites. It stimulates an interdisciplinary approach. The programme is taught in English and French. There is 1 year courses and 1 thesis year.

#### Complementary Studies in Architectural Sciences

The programme focuses on the elaboration of the human sciences tradition in architecture. It comprises architectural theory, history and critics as well as history of urban planning, design theory and design methodology. It addresses itself to architects (i.e. graduates not having studied architecture at university level).

#### Specialised Studies in Urban Design and Planning

This programme is a co-operation between K.U.Leuven and the University of Gent. The first year programme, Spatial Planning, is taught in Gent. The second one in Leuven. The study aims at the formation of critical and autonomous specialists, who will design spatial interventions and strategies in the complex field of urban and spatial planning. It focuses on critical reflection as well as on practical applications.

#### Doctorates

Apart from these post graduate programmes, the Department also has a long tradition in offering the degree of Doctor in Architectural Engineering.(Ph.D) In order to be admitted to the doctoral programme one must have obtained a Master's degree with honours or any equivalent degree (burgerlijk ingenieur (Belgium),

Diplom Ingenieur (Germany), ...), or a predoctoral degree (for holders of a HOLT degree of architecture, for example). Foreign students have to enrol for a master's degree, which can be switched into a predoctoral test or have to enrol for a predoctoral year, depending on the profile of the candidate. Financing can be provided by the university itself (assistantship, scholarship) or by external funding. In order to obtain a PhD in Architectural Engineering (doctor's degree) the candidate must carry out research during at least two years on a relevant research topic within the competence of the research groups of the department, under the supervision of one or more promoters. The doctoral programme also includes a number of courses and seminars. The doctoral examination consists of the public presentation of an original and unpublished thesis. The thesis should represent research of a theoretical and experimental nature or work of technical-scientific character and should be a significant contribution to the knowledge and know-how in the field.

#### Research Groups

Several research groups are active at the department. Their main activities are summarised below.

Architectural theory  
Prof. André Loeckx, Prof. Hilde Heynen  
Caad and design methodology  
Prof. Herman Neuckermans  
History of architecture  
Prof. Krista De Jonge, Prof. Luc Verpoest  
Planning and development  
Prof. Louis Albrechts  
Rationalisation of design and building  
Prof. Jan Delrue,  
Prof. Frank De Troyer  
Urban design project team  
Prof. Marcel Smets

#### Administration and staff

Prof. A. Loeckx is head of the department. Visiting professors are/were amongst others: F.Choay, A. Bruno, G. Byrne, Z. Celik, G. Descombes, F. Neumeyer, R. Plunz, B. Secchi, M. de Solà-Morales. In 1993 R. Moneo received a honorary doctor's degree from the University.

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# Institut Supérieur d'Architecture Saint-Luc

## Institute Supérieur d'Architecture

Boulevard de la Constitution 41

B 4020 Liège

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Fax : 00/32/4.223.72.82

Email : archilucg@cobonet.be

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### Informations Generales

La fondation des Instituts Saint-Luc par les Frères des Ecoles Chrétiennes remonte aux années 1860.

Jusqu'en 1977, ces Instituts groupent sous l'appellation « Beaux-Arts » l'enseignement de l'architecture et des autres disciplines artistiques.

En 1977, les Instituts Supérieurs Saint-Luc se scindent en des écoles distinctes:

- les Instituts Supérieurs d'architecture (I.S.A.) qui dispensent un enseignement de type long et de niveau universitaire.
- les Instituts Supérieurs des Beaux-Arts (I.S.B.A.) qui dispensent des formations de type court (graduat)

En 1985, les Instituts Supérieurs d'Architecture, jusque-là au nombre de 14 sont obligés de se grouper. C'est de la réunion de l'Institut de Tournai et de l'Institut de Liège que naît l'Institut Supérieur d'Architecture Saint-Luc de Wallonie, conservant les deux implantations mais aussi les personnalités propres, liées aux mentalités régionales, aux influences de passés distincts.

L'Institut Supérieur d'Architecture Saint-Luc de Wallonie compte environ 700 étudiants (400 à Liège, 300 à Tournai), encadrés par environ 80 enseignants (45 à Liège, 35 à Tournai). En 1997/1998, l'Institut Supérieur d'Architecture Saint-Luc de Wallonie a inscrit environ 200 étudiants en première année et délivré 70 diplômes légaux d'architecte. La tradition de l'enseignement centré sur le projet, la mise en évidence de la personnalité, l'apprentissage d'un savoir-faire transmis de maître à élève, l'exercice de la capa-

cité de synthèse à la fois créative et rigoureuse, restent les bases de cet enseignement.

L'Institut Supérieur d'Architecture Saint-Luc de Wallonie participe depuis leur création aux programmes européens ERASMUS et TEMPUS.

Il a en Europe, plus de 20 partenaires, institutions supérieures d'enseignement, avec lesquels il échange des étudiants, des enseignants; il organise des cours intensifs, des formations continues et bientôt un MASTER en restauration architecturale.

#### Services et Equipements

Liège...

La ville actuelle est plus que millénaire. Liège, deuxième port fluvial d'Europe, est aussi le passage d'un fleuve et d'une rivière sur les bords desquels alternent l'architecture du passé et les marques de l'expansion moderne.

La Cité ardente, - c'est ainsi qu'elle est souvent désignée -, est une ville universitaire depuis 1817, elle abrite un peu plus de deux cent mille habitants, six cent vingt mille pour son agglomération, on y trouve un opéra, un conservatoire de musique, des dizaines de salles de cinéma et de théâtres, de très beaux musées et sans doute le record du monde en concentration de tavernes, bistrotts et restaurants.

Nos bâtiments sont situés entre le plus beau parc de la ville et son jardin botanique, à dix minutes à pied d'une gare qui s'apprête à accueillir le T.G.V.

L'Institut abrite toutes les facilités nécessaires à l'enseignement et à la recherche:

- une bibliothèque qui compte plus de 3200 publications après 1950 et acquisitions récentes (environ 150 ouvrages par an), les mémoires de fin d'études réalisés à l'Institut, des abonnements aux revues d'architecture de nationalités diverses (33 en cours) et collections de périodiques depuis 1950.
- une médiathèque, mémoire audiovisuelle de l'Institut, a pour buts d'archiver, par la photo et la vidéo, les meilleurs travaux d'étudiants, et de constituer et gérer une banque d'images vidéo en enregistrant, classant et \ diffusant des émissions de télévision relatives à l'architecture
- un atelier de documentation et d'archivage
- des fonds anciens: environ deux mille cinq cents ouvrages ou collections de périodiques sont accessibles. Ils ont été principalement publiés au 19e siècle et dans la première moitié du 20e siècle et sont consacrés à l'architecture et son histoire, à l'urbanisme, aux techniques de construction ...
- un laboratoire d'informatique équipé de logiciels courants, de logiciels de dessin ( AUTOCAD Light, AUTOCAD 14, STAR INFORMATIQUE ), scanners, imprimante A4 et A0,... et INTERNET

#### Programme des Cours

Les études d'architecte comportent deux années de candidatures suivies de trois années pour l'obtention du diplôme d'architecte.

Aux étudiants inscrits comme « élève régulier », le règlement des études impose que l'étudiant réussisse toutes les épreuves d'une année d'études avant d'avoir accès à l'année d'études suivante.

Il n'est donc pas question ici de choix parmi un ensemble de cours, de parcours plus ou moins libre dans une grille de matières.

Tous les cours sont obligatoires, ainsi que le choix d'une option et le dépôt d'un mémoire de fin d'études.

Les cours obligatoires sont: mathématiques, chimie, physique, mécanique générale, résistance des matériaux, stabilité des constructions, équipement du bâtiment, sciences du milieu, aménagement du territoire, histoire et philosophie de l'art, sciences humaines, droit, déontologie, économie générale, théorie de l'architecture, expression graphique et projet d'architecture.

Les trois options parmi lesquelles l'étudiant doit choisir à partir de la 3e année: restauration et conservation du patrimoine architectural, urbanisme et aménagement du territoire, design appliqué à l'architecture.

Le mémoire de fin d'études est un travail qui doit prouver l'aptitude de l'étudiant à circonscrire et étudier un sujet. Il se situe dans un cadre légal qui stipule qu'il doit se composer d'au moins trente pages ( de 1500 signes). Cependant, bien souvent, on exige un travail plus conséquent. En architecture, un mémoire comporte généralement entre soixante et cent pages. Ce travail de fin d'études ne doit pas se confondre avec un ouvrage de recherche pure : il ne vise pas à ouvrir une nouvelle voie théorique, ne doit pas aborder un domaine inexploré. En revanche, il doit révéler une capacité à la synthèse. L'originalité - qui n'est donc pas un critère déterminant - peut dès lors se situer dans le rapprochement de documents qui à première vue, semblent étrangers les uns aux autres.

#### **Post Graduat**

Un master en restauration architecturale est en préparation au niveau européen, avec la collaboration de 7 institutions universitaires.

#### **Recherche**

En complément de sa mission d'enseignement, l'Institut, afin de répondre aux propositions de recherche a créé le G.A.R. (Groupe d'Ateliers et de Recherche) en 1982 . L'association a pour objet la recherche en matières architecturale et artistique au sens le plus large de ces termes, afin de promouvoir l'architecture et l'enseignement à l'Institut Supérieur d'Architecture Saint-Luc à Liège.

Les statuts prévoient également que l'association peut notamment organiser la mise en place de recherches, de post-formations, le recyclage, la poursuite d'études concrètes, des rencontres de guidance, des stages et des séminaires.

Le Président actuel est Madame Annie BOUTEFEU.

Le Conseil d'Administration est notamment composé du Directeur et d'Enseignants de l'Institut Supérieur d'Architecture Saint-Luc de Wallonie - Liège.

Les membres sont enseignants dans ce même institut.

Depuis sa création, le G.A.R. a mené à bien plusieurs contrats d'étude pour des instances officielles et organise également, en collaboration avec l'Institut, différentes manifestations comme des expositions, des conférences, des publications, des formations, etc.

Les projets qui sont actuellement à l'étude sont la création d'un centre de coordination de la recherche en architecture et d'un centre de documentation sur le développement durable appliqué à l'architecture.

#### **Activites Etudiants**

Les étudiants sont structurés en un Cercle des étudiants qui est composé de représentants de chaque année d'études. Le Cercle participe à la gestion de l'école par la représentation étudiante dans les organes de gestion et de direction et organise des activités culturelles et récréatives.

#### **Administration**

Directeur:

André VERHULST  
Chef de bureau d'études et  
Présidente du G.A.R.:  
Annie BOUTEFEU

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## Faculty of Architecture

### Faculty of Architecture

Porici 5, 639 00 Brno  
Czech Republic  
Tel. : +420 5 42142111  
Fax : +420 5 42142125  
Email : kynclm@ucit.fa.yutbr.cz  
www.fa.vutbr.cz

Application deadline: November  
Tuition and fees: 2900,- USD per semester



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General information

Technical University of Brno is the second largest technical university in the Czech Republic. It is a university with a long tradition, which nowadays independently develops activities in the field of education, engineering, science, art and economy. It was founded in 1849 and at the moment it has 9 faculties.

The lines of studies of architecture and building construction were instituted at the Czech Technical College in Brno in 1919. After a pause due to the second world war they were renewed in 1945 and in 1950 an independent Faculty of Architecture and Building Construction was instituted. In 1976 the independent Faculty of Architecture with two study branches- architecture and town planning - was established.

In 1990 a new conception of study plan was accepted and the structure of the faculty was reorganised. 12 institutes were created and two study-cycles models were introduced.

The Faculty of Architecture is the second smallest faculty of the Technical University of Brno. It has approximately 460 students. It is based on the individual approach to students to develop the free creation and the training in technical disciplines to educate highly qualified professionals.

Lectures are generally given in Czech, English, German and French as the language for the consultation of the atelier project is possible. There are special lectures given in English for foreign students coming for one semester within the framework of the

international exchanges.

The lectures are focused on Czech history of architecture, Czech middle war and modern architecture and construction.

#### Facilities

The Faculty of Architecture is situated near the historic centre of Brno with most of the buildings from the 19th century when the slum clearance of the medieval houses was carried out. The city is famous for its international style architecture of the 20ies and 30ies, with a lot of public buildings and housing. Among them e. g. the Villa Tugendhat from Ludwig Mies van der Rohe or Hotel Avion from Bohuslav Fuchs. Brno is a specific cultural centre with many theatres, museums, galleries and libraries. Each year Brno houses many International trade fairs at the Exhibition grounds.

The faculty building is placed on the left bank of the river Svatka. It is easily accessible by the public city transport (bus or tram). The building dates from the 19th century and was originally used as a secondary school for boys. Next to this old building there is a new one from the 60ies which contains mainly ateliers, workshops and the drawing and modelling studio. One of the main aims of the faculty is to provide good working conditions for every student. Therefore there are many ateliers where each student has got his own working place. There are all the possible facilities for teaching and study such as a copy centre connected on line with the computer studio, a photo laboratory, a library with 10.000 titles and subscriptions to

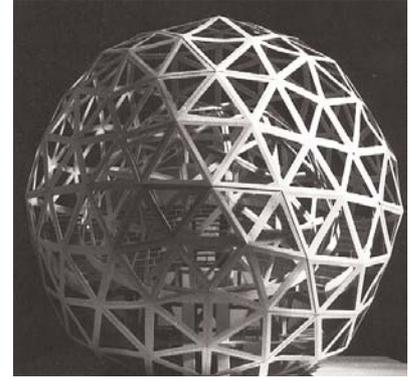
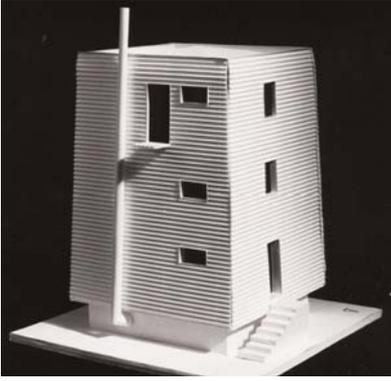
many Czech and international periodicals, fully equipped lecture halls.

The Faculty of Architecture collaborates with The Organisation of the Czech Architects in the field of presenting exhibitions and organising lectures. Other partners of the faculty are e. g. The Chamber of Architects, Czech Technical University in Prague, Slovak Technical University in Bratislava and The Open Society Fund.

#### Educational programme

The study at the Faculty of Architecture in Brno takes six-and-a-half years and is divided into two study-cycles: a four-year cycle of the Bachelor's degree, the graduates are awarded the title of "Bachelor" (Bc.). Then follows one year of practise in an architecture office as a condition for the study of the second cycle which takes one-and-a-half year and the graduates are awarded "Engineer of Architecture" (Ing. arch).

The first cycle gives the completed basic education of a professional efficient designer-architect. The study programme comprises both creative, engineering and humanistic disciplines and architectural designing and town planning. The cycle is divided into 8 semesters which last 15 weeks, follow 4 weeks of examinations. The last semester takes 12 weeks and comprises only the design project and the final examination.



**The teaching is guaranteed by 12 institutes:**

Institute of Drawing and Modelling  
 Institute of Building Structures and Environmental Technology  
 Institute of Construction  
 Institute of Management and Informatics

- A. Institute of Living Environment and Free Creation  
 Institute of Public Construction
- B. Institute of Manufacturing and Utility Construction  
 Country Architecture Institute
- C. Town Planning Institute  
 Zone Planning Institute
- D. Institute of the Theory and History of Architecture and Monument Reconstruction  
 Institute of Interiors and Exhibitions

The institutes in the groups A, B, C, D provide teaching of the atelier projects. Students have to pass always at least one institute of each group A, B, C, D during their second, third and fourth year of study. Students can freely choose their tutors and each tutor has maximum 5 students from each year in his atelier (mostly it means 10 students). Except for the atelier project every semester, students pass other courses focused on theoretical and practical knowledge and skill. Most of the courses are obligatory, some of them are optional.

After the one-year practice students may continue in their studies of the second cycle. It consists of one year of the specialised lessons and 12 weeks of the project for the diploma. The study of the second cycle is to amplify the basic education and to enable individual specialisation of highly qualified architects. The study ends with the state exam and with the defence of the diploma project.

**Post graduate programme**

Since the academic school year 1991-92 at the Faculty of Architecture, the post-graduate studies in the following branches have been introduced: Architecture and Town planning. The study is internal (3 years) or external (5 years). The studies are finished by the public submitting of the thesis by means of which the student is

supposed to prove his ability to do scientific work on his own, and by passing the rigorous examination. The graduates are conferred the academic-scientific degree of "Doctor of Architecture" (PhD.).

**Research programme**

Science and research activities of the Faculty of Architecture were aimed to the fundamental spheres of interest based on the general orientation of the faculty (architecture and town planning) as well as on the specific profiles of respective institutes. Most of the research activities are realized with the support of: Fund for Science and the Arts of TU Brno, University Development Fund, Ministry of Culture Fund.

Research activities, in which foreign institutes and students participate, are covered by the joint partnership and co-operation with the Technical University of Vienna and the University of Kaiserslautern.

Together with the University of Economy and the Czech Technical University (both in Prague), the co-operation with the universities in Manchester (England) and Dublin (Ireland) in the field of science and research has been promoted on the basis of the TEMPUS programme.

There has been a programme organised in collaboration with the Open Society Fund which focused on the Museums.

**Student activities**

Annually there is a display of students atelier works held on the Faculty of Architecture. In this occasion a jury made up of faculty staff and practising architects awards the Prize of Bohuslav Fuchs Found for the best atelier project in 5 categories. Each year The Prize of the Dean of the Faculty of Architecture is awarded to the best bachelor project and to the best diploma project.

The lectures of visiting architects from other Czech institutions and from abroad are regularly organised on the Faculty of Architecture. Another important sphere of international contacts is represented by workshops, both domestic and those held abroad and visited by our students. Each year there are also

students excursions to abroad with the objective to learn the greatest extent of the most modern architecture. Regularly they visit the international exhibition Glasstec in Düsseldorf and the Venice Biennale of Architecture.

There are traditional annual actions organised by the students. One of them - "Maøena" - is held every autumn. It is the inauguration of the students of the first year, organised by the students of the fourth year of study. In this occasion all the building of the school and its surroundings are specially arranged and there is a concert given to this occasion.

The second traditional action organised by the students of the second year of study is called iPleöi and it is a parody to the traditional balls held by other faculties and universities.

**Administration and staff**

The faculty employs 55 full-time and 25 part-time scientific staff. In addition, it contracts some visiting professors.

Dean of the Faculty of Architecture  
 Doc. Ing. arch. A. Novy, CSc.

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# Czech Technical University

## Faculty of Architecture

Thakurova, 7  
16634 Praha 6  
Tel. : 420/2 3115795  
Fax : 420/2 24310573  
E-mail : Fanta@fanet.fa.cvut.cz

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### Faculty of Architecture

The Academic Senate is the supreme democratic organ. It is composed of representatives of the academic community ( i.e. teachers and researchers) including faculty members, staff, and students. The head of this Faculty is the Dean. He is elected by the Academic Senate for a period of four years.

#### Number of students

The Faculty of Architecture, with more than one thousand full-time students, is the largest architecture school in the Czech Republic.

#### History

In 1863 Prague Polytechnic was transformed into the Technical University headed by a Rector. Its studies were divided into four specialisations: mechanical engineering, chemistry, civil engineering and architecture. In 1920, after the fall of the Austro-Hungarian Empire, the name of the school was changed to the Czech Technical University in Prague (CTU). The University was composed of seven schools (faculties) including the Faculty of Architecture and Civil Engineering. The Faculty of Architecture became an independent school in 1976. Some famous students and members of the CTU staff include FRANTIŠEK Křižáček, who constructed the first electric street car in Prague; architect JOSEF ZöTEK, who designed many beautiful buildings in Bohemia, Germany and Austria; JAN ZVONĚK, who invented a radial steam turbine; and VLADO PRELOG, Nobel prize winner for Chemistry.

#### Location

The Faculty of Architecture of the CTU in Prague not only offers quality education but is also located in a stimulating urban environment, so important for an architect. With a population of 1.25 million, Prague is one of the most beautiful historical and cosmopolitan cities in Europe. No other European capital contains six hundred years of architecture so completely untouched by natural disaster or war. One of Prague's most appealing characteristics is that its artistic wealth is not hidden inside museums and galleries, but displayed in the streets and squares. The city is a treasury of all architectural styles ranging from the historic Romanesque, Gothic, Renaissance, Baroque and Art Nouveau, to the more recent Cubist style. Prague is also well endowed with distinctive parks and gardens.

#### University Campus

The Faculty of Architecture forms part of the CTU main campus, which is located to the North-West of the city centre next to Dejvická metro station. The campus houses the following faculties: Civil Engineering, Architecture, Mechanical Engineering and Electrical Engineering. The Students' House with a cafeteria for students and staff, a bookshop and a student/faculty medical facility is also located on campus. Libraries are located on the premises of each faculty. The Faculty of Architecture shares a general Library with the Faculty of Civil Engineering, which is situated in the same building and caters for the information needs of these schools. Specialized libraries

attached to particular departments of the Faculty provide services to students, too. They are equipped with architectural journals, books and other learning materials.

The computer services unit is responsible for providing an interactive computing facility throughout the CTU, covering both academic and administrative computing. There are several computer labs in the Faculty of Architecture, where students can obtain access to information from all over the world via the links of INTERNET.

The model laboratory is equipped with computers and other technology which is used for students' projects, research and teaching. In their studio work, students make architectural models and use special scanning technology, which enables the user to view the model from an observers normal horizon as well as providing interaction between the model and a video recording of it.

#### Education

The curricula are divided into three stages:

- Bachelor degree programmes/ Undergraduate studies
- Master degree programmes/ Graduate studies
- Doctoral degree programmes/ Postgraduate studies

#### Bachelor degree programmes

The Faculty offers a uniform curriculum leading to a Bachelor of Architecture degree. The course of studies lasts three years (six semesters) and provides students with an introduction to the wide scope of activities in

architectural design, civil engineering, town planning and interior design. Students can depend their insight in particular issues, e.g. art and architecture history, computer applications and urban design. Undergraduate studies are considered to be an intermediate stage on the way toward a Master degree.

#### Master degree programmes

This graduate stage of studies takes a minimum of four semesters, plus a diploma project. The core of the curriculum is studio work. Obligatory courses follow the line of an undergraduate programme in civil engineering, infrastructures, urban and landscape planning, interior decoration, computer applications, economics, implementation and law. A wide choice of elective and optional courses enables students either to follow the general line of architecture or to concentrate on specific branches within the profession: building construction, urban and regional planning, urban and landscape design. In addition, interdisciplinary curricula are provided for graduate study in the field of spatial planning and stage design.

Graduate studies are completed with a thesis. Graduates are awarded the degree of Ing.arch. or Ing., i.e. Master of Architecture. This degree is required for general authorization by the Czech Chamber of Architects to become a Registered Architect and to run business specialising in civil engineering, planning, interior design, and landscape design.

#### Doctoral degree programmes

Part-time and full-time programmes leading to a PhD degree are provided in the following disciplines:

- Theory of Architecture
- Architecture and Civil Engineering
- Urban Design and Planning
- History of Architecture and Conservation

In addition, in-service refreshment courses and re-training courses are organised for practising professionals. These courses are at present offered in monument conservation, theory and history of architecture, and urban planning.

#### Foreign students

English speaking students are offered a special one-semester sandwich programme at graduate level. Some of these courses are also provided in the French language.

The sandwich programme consists of a studio course and various optional courses concerned with visual arts, theory and history of architecture, ecology, urban design and planning, conservation and building construction. These courses (except for studio courses) will be opened only if there is enough demand. The studio courses will be opened irrespective of demand. At PhD level, the full range of disciplines mentioned above is also provided in English and, in some cases, also in French or German.

The Faculty, together with universities abroad, organises summer courses for English speaking students. Several American, Israeli and European universities have been engaged in these courses since 1990.

#### Interfaculty study

In an interbranch study programme, students take courses offered by other faculties of CTU, or by other universities, simultaneously with courses registered at his/her home faculty.

#### Research

Faculty research activities are linked to particular university, national and European programmes, as well as to the demands of industry. The expertise of the Faculty staff is also made available to governments (e.g. the elaboration of law proposals). Most basic research is conducted at the departments of History and Theory of Architecture. Applied research is mainly carried out in the Department of Architectural Modelling, the Department of Urban Design and Planning, and the Department of Industrial Buildings.

#### International cooperation

The Faculty is a member of the European Association for Architectural Education /EAAE/ and the Association of European Schools of Planning /AESOP/. International research and education activities are supported by grants from TEMPUS, TEMPRA and other international and national organisations.

#### Tuition fee

The full-time tuition fee is US\$ 2,500.- per one semester. The fee is waived for students under reciprocal agreements between the Czech Technical University and a partner University abroad. Low-price accommodation in student dormitories and low-price meals are provided for students. Living expenses per one month (accommodation, meals, transportation, personal expenditure) for one person are at present (1995) approximately US\$ 300.

#### Administration and staff

Dean:

Doc.Ing.arch. Bohumil FANTA,  
CSc.

E-mail: FANTA@fanet.fa.cvut.cz

Vice-Deans:

Education:

Doc.Ing.arch. Tomas SENBERGER

E-mail: MOLAB@fanet.fa.cvut.cz

Research:

Doc.Ing.arch. Petr URLICH, CSc.

E-mail: URLICH@fanet.fa.cvut.cz

International relations:

Ing.arch. Karel Maier, CSc.

E-mail: Maier@fanet.fa.cvut.cz

Director of Personnel and Finance:

Ing. Jiri BOHACEK

E-mail:

BOHACEK@fanet.fa.cvut.cz

All enquiries in relation to admission should be addressed to the Office of the Registrar.

The Assistant Registrar responsible for Czech citizens:

- Ms. Tamara Holoubková

The Assistant Registrar responsible for foreign students:

- Ms. Jarmila Keivánková  
Address: Fakulta architektury  
ÉVUT  
Thákurova 7, 166 34 Prague 6  
Czech Republic

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## Royal Danish Academy of Fine Arts

### School of Architecture

Philip de Langes allé 10  
1435 Copenhagen K  
Denmark  
Tel : +45 32 68 60 00  
Fax : +45 32 68 61 11

www.karch.dk

Application deadline : Degree students: March 15  
Guest students : January 15  
Tuition and fees : 0 EURO



### Degree programmes

Degree/Title	Minimum	Accredited duration of study	Admission	Enrolment requirements	Fulltime students
B Arch	3 years	High school or Eq. + admis. Ex.	230 per year		1.200
M Arch	2 years	Register of architects	B Arch M Arch		
PhD	3 years			3 per year	21

### General information

The School of Architecture at the Royal Danish Academy of Fine Arts is one of the world's oldest schools of architecture. Founded in 1754 as 'The Royal Danish Painting, Sculpture and Building Academy', the academy's purpose was to educate both artists and craftsmen in the three disciplines under the same roof.

In the 1960's the school became an independent unit with its own management and achieved the status of an institution of higher learning, issuing a diploma equal to a university Master's degree in architecture, while maintaining its artistic and professional status within the Royal Danish Academy of Fine Arts.

The school educates architects in the fields of architectural design and restoration, urban and landscape planning, and industrial, graphic, and furniture design.

The diploma is earned through a three-year Bachelor of Architecture course and a two-year Master of Architecture course consisting of both formal coursework and independent design studio projects.

There are three formalised examinations: a screening procedure after the first year of study, based on required studio work, the exam for the Bachelor of Architecture degree and the final thesis examination after the two-year Master of Architecture course, based on independent studio work.

### Facilities

The school – since 1996 located in Holmen, the former dock area for the Danish navy in the historic city centre of Copenhagen – provides a wide range of study facilities:

Architecture studios (1 table / 1 student)  
Lecture and seminar rooms  
Exhibition hall  
Library (135.000 titles)  
Computer-aided design laboratories  
Wood / metal workshop  
Full scale workshop  
Reproduction centre  
Day light laboratory, photo, AV, etc.

In the former dock area, now the artistic centre of education, are located other schools of art under the Ministry of Cultural Affairs:

The Danish Film School  
The National Theatre School  
The Academy of Rhythmic Music  
The Academy of Modern Dance.

### Educational programme

The tutoring takes place within eleven departments, each responsible for the education of architects at all levels. At the same time each department has a particular sphere of competence and field of responsibility within the many branches of the profession.

Beginning with the academic year 2002-2003 the curriculum has changed, according to recommendations of the Bologna Declaration of 1999, from a five-year degree course to a three-year Bachelor of Architecture degree-course followed by a two-year Master of Architecture degree-course

The three-year core course, the Bachelor of Architecture programme, provides fundamental knowledge of the preconditions and training in the methods of the architectural profession. The course concludes with an

examination, a prerequisite for entering the Master of Architecture programme.

In the two-year, professionally oriented, Master of Architecture programme, including a three-month period for the thesis work, the main stress is laid on specialization and achievement of formal and personal development. The programme also includes three months of practical training in Denmark or abroad.

The education is centred on project exercises carried out in the design studios. The complexity and requirement of artistic and technical skills of the students' projects increase throughout the studies. The basic teaching principle is the dialogue between the student and his/her tutor, and between the students themselves. The design studio is supported by courses, lectures, seminars and study trips. Courses and consultative services are arranged for all the departments according to level of study.

Students are allowed to select the component parts of their course from among the three main disciplines:

- Urbanism, Landscape, and Planning
  - Building Design
  - Design
- and may supplement the course with electives.

### Departments:

Department 1: Architecture, Town and Landscape  
Department 2: Architecture, Town and Building  
Department 3: Architecture, Process and Method



Department 4: Architecture, Urban and Building Culture  
 Department 5: Architecture, Space and Habitation  
 Department 6: Architecture, Space and Form  
 Department 7: Architecture, Building and Realization  
 Department 8: Architecture, Experiment and Technology  
 Department 9: Architecture Materiality and Resources  
 Department 10: Architecture, Conurbation and Industrialization  
 Department 11: Architecture, Design and Industrial Form

#### Post graduate programme

The education of researchers, as formalised in the school's doctoral studies programme, is a supplementary programme of education for candidates who have earned a Master's Degree. Its objective is to enable candidates to conclude their studies with 'a scientific project involving independent use of the scientific methodology of architecture, thereby furthering research ... in architecture'.

The doctoral studies programme is a three-year course and aims at a PhD degree. The degree is awarded after the candidate has satisfactorily completed his/her studies and submitted a thesis. The thesis must document the candidate's ability to apply the scientific methodology of architecture and has made a contribution to the advancement of research at a level corresponding to the national standard for doctoral degrees in the field.

#### Research programme

As an institution of higher learning the School of Architecture has an obligation to carry out activities for the purpose of artistic development and to conduct scientific research in the field of architecture. The transfer of research results into the basic education is a prerequisite to ensure the quality of the architectural education.

Research is organized within the framework of four institutes and covers a broad spectrum of areas from theory of architecture, planning, design and communication to restoration and building science. Furthermore, it embodies development work as well as architectural experimentation. In addition to the school's self-financed research, external funds contribu-

te substantial grants to specific research projects.

Research and study results are imparted to the general academic community via books, reports and compendia. These are generally published by the School or in periodicals.

Institutes - research  
 Institute of Architectural Theory, History and Restoration  
 Institute of Architectural Technology  
 Institute of Town, Space and Function  
 Institute of Design and Communication

Newly established research centres affiliated with the Institutes:

Centre of Sports and Architecture  
 The Centre of Sports and Architecture is an information and consultancy centre, in cooperation with the Danish Foundation for Culture and Sports Facilities. The purpose is to strengthen the architectural quality of the construction of sports facilities, to create a basis for modern up-to-date sports facilities, and to meet the demands of the population's body culture and sports patterns. The centre is affiliated with Institute 3.

#### Centre for Design Research

The Centre is established in cooperation with the Aarhus School of Architecture, the Danish Design School and the Kolding College of Danish Design. The purpose of the Centre is to create a strong research milieu and to propagate and strengthen research-based tuition within the design educations in Denmark, realizing design as an important competitive parameter in modern society. The Centre is affiliated with Institute 4.

#### Exhibitions

Throughout the year the school gallery houses architectural exhibitions open to the public. Among these the two annual exhibitions of all theses work in January and June.

The theses work may be seen on the school's homepage [www.karch.dk](http://www.karch.dk), English version, Links.

#### International Connections

The School of Architecture has bilateral agreements and connections

with a wide range of foreign schools of architecture and design. Students are encouraged to apply for a place abroad through exchange programmes. Their studies abroad are included in their degree studies.

#### Student activities:

The students of the School of Architecture are organized in a student association. Looking after the interests of the students. The students' association attends to the introduction of new students at the beginning of each study year.

The student association is responsible for the election of student representatives to the governing bodies of the school, e.g. the school council, which is the highest executive body of the school.

#### Administration and staff

The School of Architecture employs 81 full-time and 69 part-time scientific staff. In addition it contracts a varying number of visiting lecturers.

Rector:

Sven Felding, Architect MAA

Pro-rector:

Jørgen Hauberg, Architect MAA

Administrator:

Jes Gjørup, MSc

Head of the Research Administration:

Ebbe Harder, Architect MAA

Head of the Study Administration:

Peter Arne Sørensen,  
 Architect MAA

Professors, Building Design:

Carsten Juel-Christiansen,  
 Architect MAA

Tage Lyneborg, Architect MAA

Jan Søndergaard, Architect MAA

Professor, Building Techniques:

Boje Lundgaard, Architect MAA

Professor, Restoration:

Gregers Algreen-Ussing, Architect  
 MAA

Professor, Physical Planning:

Jens Kvorning, Architect MAA

Professor, Landscape Design:

Steen Høyer, Architect MAA

Professor, Design:

Anders Brix, Architect MAA.

Professor, Visual Communication:

Nat Chard, M Arch, Dip Arch,  
 Architect

Professor, Architectural History:

Carsten Thau, MA

# Helsinki University of Technology

## Faculty of Architecture

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Fax: 358-9-451 3960

Email : tarja.makkonen@hut.fi

Internet : www.hut.fi/Yksikot/Osastot/A/

Application information : degree students : ritva.saren@hut.fi

guest students : kati.miettinen@hut.fi or matti.kuittinen@hut.fi

Tuition and fees : degree students and exchange network guest students: student union fee 500 Fmk per year

International Programme guest students: from 13 000 to 25 000 Fmk per semester

### Degree programmes

Degree	Title	Minimum duration of study	Admission requirements	Enrolment
Arkkitehti	Master of Architecture	5 years	high school or eq. + admission examination	39 per year (total 580)
Maisema-arkkitehti	Master of Landscape Architecture	5 years	high school or eq. + admission examination	15 per year (total 100)
Licentiate or Doctoral	Degree in Architecture (Lic.Tech or Ph.D)	varies	Master's degree + approved study plan	total 110
International Programmes:				
	Linkage Programme; no degree	0.5-1 year	3 years study or B. Arch	40 per year
	Master Programme; M.Arch option	15 months	B.Arch	12 per course

### General information

The Faculty of Architecture at the Helsinki University of Technology is the oldest of the three schools of architecture in Finland. Its age of 120 years marks an exceptionally long tradition even internationally. The Faculty of Architecture offers two professional degrees, Master of Architecture and Master of Landscape Architecture. This is the only place where a university level landscape architecture degree can be obtained in Finland.

Located in a technical university the architectural education in Finland follows the European tradition of education as a part of the technical sciences. However, the Faculty of Architecture has always had an independent position as a separate faculty with an emphasis on architecture and landscape architecture also as a form of art. The Faculty is of medium size and therefore can offer personal tutoring and close contacts between the teachers and the students.

The atmosphere is quite international with approximately 40 foreign students studying as guest students each year. The international Master Programme was started in 1995 and it has brought several world famous visiting teachers to Finland during the last years.

The teaching is mainly in Finnish, but a selected range of courses is held in English and most of the teachers are ready to give tutoring in English. Close contact with professional practice and social reality has always been one of the essential features of the Finnish education of architects.

### Facilities

The Faculty of Architecture is situated in the main building of the Helsinki University of Technology, designed by Alvar Aalto in 1964 on the campus of Otaniemi. In 1991 the Faculty leased premises at the Cable Factory near the centre of Helsinki.

The industrial and urban milieu of the Cable Factory serves as a good counterbalance to the quiet campus milieu of Otaniemi.

In the Otaniemi premises the Faculty of Architecture maintains its own library with app. 50 000 titles and 155 subscriptions, a photographic laboratory and studio, well equipped computer facilities and drafting rooms for the students. Research rooms can only be offered to the postgraduate students that have a position in the research groups of the faculty.

Due to the flexible study permit system in the capital area the students may take minors at the University of Helsinki, the University of Industrial Arts, the Academy of Fine Arts, the Theatre Academy, the Sibelius Academy and the Swedish and Finnish Schools of Economics and Business Administration. The Faculty of Architecture has wide international connections with foreign schools of architecture. Students are encouraged to apply for a place abroad through exchange programmes. Their studies abroad will be included in their degree studies.

### Educational programme

According to the 1995 degree programme of the Faculty of Architecture the studies during the first three years are compulsory while the latter part of the studies comprises optional studios, readings courses, seminars and special courses or competitions. The degree programme is structured to give basic professional technical and administrative skills with a wide outlook on an architect's and landscape architect's field of work and also to encourage each student to develop his/her creativity. The aim is to educate architects with an idea of life-long learning and continuous striving to mature artistic expression.

#### The degree programmes in Architecture and Landscape

Architecture consist of basic studies, majors and minors, practical training and the master's thesis.

Lecture and design study modules form the frame of the teaching. Lectures form the theoretical and technical basis of the studies. Design study modules form the greatest part of the studies. Design projects teach the students to solve design problems of different levels, but they also prepare for good command of techniques, and programming and organising the work individually or in groups. The emphasis of advanced studies is on the studio form of teaching supplemented by student competitions and shorter changing topics. A studio course consists of a demanding design project. Seminar study modules consist of

introductions prepared by the students for further discussion. There are also excursions in Finland and abroad. Arts subjects form an important part of the basic studies. Compulsory practical training aims at familiarising the student with the physical and social environment on a construction or a park site, with traditions, problems and their solutions. Professional, i.e. office training, aims at familiarising the student with the everyday problems of an architect's work and instructing him/her in the practical application of the acquired knowledge.

The degree programme in Architecture has three majors: History and Theory of Architecture, Building Design and Environmental Management.

The students of History and Theory of Architecture especially practice architectural analysis and literal expression.

The Building Design major in the Faculty of Architecture consists of five scopes of responsibility: Housing Design, Public Buildings, Building Technology, Building Structures and Wood Architecture. There is an emphasis on ecological consciousness. Instruction in computer technology aims at teaching computer aided expression, documentation, management and facilitating the adoption of different programs through general knowledge.

The major of Environmental Planning consists of two scopes of responsibility in the Faculty of Architecture: Urban Planning and Design, and Landscape Architecture.

An independent degree programme in Landscape Architecture was established in 1989. The primary aim of the degree programme is to find a balance for the role of a landscape architect partly as a conservationist and an expert on ecological issues, and partly as an artistic designer of the landscape. The education is supplemented and broadened by close co-operation with the degree programme in Architecture.

#### **Postgraduate programme**

Degrees taken at the Faculty of Architecture as postgraduate studies

are the Licentiate of Technology, Doctor of Technology and Doctor of Philosophy.

Advanced master degree studies at the Faculty of Architecture are designed to form the basis for postgraduate studies and research. The themes of the studios are linked with the focus of research on architecture and subjects of postgraduate teaching. The three faculties of architecture in Finland have a joint curriculum for researchers, arranging, for instance, national training seminars.

#### **Research programme**

Research carried out at the Faculty of Architecture covers a wide sphere of architectural research. The foci of research are ecological values in planning and building, housing as a part of the social and health care systems, urban planning, management of cultural landscapes and the built environment, and building conservation.

#### **The Faculty has two separate research institutes**

The Research Institute for the Built Environment carries out research projects that deal with the interplay of man and the material environment. Its approach is interdisciplinary and includes various humanistic and technical sciences. There is a separate Research Unit for Nature-based Construction that focuses on nature-based materials.

The Research Institute for Health Care Facilities specialises in the basic technology of social and health care facilities, i.e. planning and construction, relating telecommunications, computer technology, automatization of the functions, and aid technology, co-operating with the institute are Housing Design, Biomedical Engineering, and the Communications Laboratory.

#### **Student activities**

The students of the Faculty of Architecture are members of the Architects' Guild, which is one of the branch organisations of the Student Union of the Helsinki University of Technology. Looking after the interests of the students and promoting their social life are the main tasks of the Guild. The members of the Guild, for example, elect the undergraduate representatives to the

Faculty Board which is the highest executive body at the Faculty. Tutors arranged by the Guild familiarise the new students with the activities of the Faculty and student life.

The Guild also arranges the annual student days, sauna evenings, parties, excursions, visits to the theatre and exhibitions, and keeps up international relationships. The students of landscape architecture also have their own subject organisation Vista.

#### **Administration and staff**

The Faculty of Architecture employs 12 professors and about 30 full-time teaching and administrative staff.

There are about 100 teachers working part-time during the year. Research units and projects employ about 20 to 30 researchers annually.

Dean of the Faculty of Architecture

Prof. Tom Simons

Chairman of the International Programme

Prof. Markku Komonen

Director of Studies, Master Programme

M.Arch. Peter MacKeith

■

# University of Oulu

## Department of Architecture

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 Tel. : +358-8-553 4011  
 Fax : +358-8-553 4917  
 www.oulu.fi/ark/

Application deadline : end of January  
 Tuition and fees : 70 Euro/year

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

Although, founded as recently as 1958, the University of Oulu has grown quickly, establishing itself as one of the leading universities in Finland. Approximately 1,700 new students enrol every year, the total number of students being 12,000. The University prides itself on the high quality of teaching as well as pioneering and innovative research. International links and co-operation with local industries and business form an essential and integral part of the University teaching and research activities.

Founded in 1959, Oulu Department of Architecture is one of the three university level schools of architecture in Finland. It is a department of the Faculty of Technology at the University of Oulu. The number of enrolled students is about 360, the yearly intake being approximately 35-40. The number of doctoral students is 70.

Teaching in the Department of Architecture concentrates on the principles and aims of planning and building and the methods of design and research. In addition to traditional architectural tasks, i.e. the designing of buildings and building complexes, the planning of regional entities as well as urban areas, an attempt is made to provide the student with the capabilities needed in the fields of research and administration and in the various fields of industrial design.

Most teaching is in Finnish. Two programmes in English, Modern Nordic Architecture and Nordic Design are arranged for exchange and home stu-

dents. The Department participates in exchange programmes and has bilateral agreements with several universities.

#### Facilities

The Department has versatile facilities to enable optimal creative learning, such as the computer studios; the wood workshop for constructing prototypes and models; the library that has 25,000 volumes and subscribes to approximately 100 architectural journals; the exhibition hall and the photography laboratory.

Since its founding the Department has operated in the city centre of Oulu, close to the market square, City Library and City Theatre, in a significant environment as regards to the cultural history and townscape.

#### Educational programme

The Department awards the following degrees: Master of Science in Architecture, Licentiate in Technology (intermediate doctoral degree) and Doctor in Technology.

The instruction in the basic degree, the Diploma in Architecture, is organised in such a manner that it is possible for a student to graduate in 5.5 calendar years. However, as no definite amount of studies is bound to any particular annual class, the average time for graduation is considerably longer, approximately 8 years.

The student has the freedom and the responsibility to complete his studies according to his own schedule. After the first two years, the student chooses between three alternative orientations available:

- Architectural and urban design
- Architectural design and preservation
- Architectural and industrial design

The curriculum comprises both compulsory and optional studies. The studies consist of general, subject and advanced courses and a final diploma work. Personal or team work projects, lectures and research work are complemented by competitions, work-shops, excursions, and studio and field work. Many of the exercises oblige the student to take part in public evaluation discussions. The advanced studies consist of special courses in the main subject, a project and a seminar presented, discussed and criticised in public. The diploma work can be a design project, research or a combination of the two.

Administratively, the Department is divided into five laboratories: History of Architecture; Contemporary Architecture; Planning and Urban Design; Building Performance and Construction; and Design and Art Studies. Their task is to give and supervise education, follow both domestic and foreign development, and promote research.

The History of Architecture introduces the student to architectural history and tradition. It enables him to appreciate the architecture of the past epochs and to perceive the interaction between the various styles, periods of architecture, technological advances and prevailing social changes; it introduces the prin-

ciples of architectural conservation, and provides basic knowledge of the theories, aesthetics, philosophy and research methods of architecture.

Contemporary Architecture I-II guides the student to the understanding of architecture and provides knowledge and skills in design. The student is encouraged to express his personality and to develop his design method and philosophy. First, utopia, follies and creativity, and later, the means to refine initial sensitive ideas are explored. The teaching deals with composition, scale, dimensions, formal and functional design principles and the planning of daily living.

Contemporary architecture III-IV focuses on public buildings, looking at the cultural and social foundation of architecture, the concepts of space, the relations between architecture, time and place, and contemporary tendencies. The exercises include large multifunctional projects, set in a demanding urban context and often testing the possibilities for structural and functional reuse. Planning and Urban Design comprises urban design and land use planning, for both natural and built environments. The work ranges from long term regional visions to the designing of urban furniture. The promotion of sustainable development in northern conditions is an essential point of view. The teaching progresses from small to larger wholes, from the past to the present and the future, enlarging the field of planning area simultaneously.

Building Science corresponds to the reality of practical building work. The teaching introduces the architectural possibilities of materials and details; structures, structural systems and building components; the functional requirements; and the building process including regulations and costs.

Building Techniques covers the basics of soil mechanics and statics, structures and their functional principles, the design of bearing frames and the detailing of different materials and joints. Condition assessment, damage and repair, and renovation work are studied in the subject of Building Preservation.

In industrial design the student learns ergonomics, visualisation and technology in the architectural product design process and the skills to perceive and present form. Teaching introduces the history, theory and practice of industrial design, the design process, environmental design, and professional project co-operation. 1:1 Scale prototypes are built.

Visual Arts advances the artistic and expressive means of the student. The studio teaches drawing, material and colour composition, sculpture, silk-screen printing, painting, etching, ceramics, video, film and photography. Noted artists provide critique and lead workshops.

#### Post graduate studies

Jointly with the other two university level schools of architecture in Finland, the Department arranges a National Doctoral Programme for post-graduate students. It is one of the graduate-school programs approved by the Finnish Academy and the Ministry of Education established in 1995. The aim is to offer a high level education for licentiate and doctoral studies. Co-operation between arts and sciences is one of the special features of the Programme, as well as promoting collaboration with chairs of humanities and engineering.

In addition to lecture and seminar courses in theory, methodology and philosophy of science linked with architectural and urban research and fields of current themes of research, an annual post-graduate symposium is arranged in order to gather up researchers presenting various fields and to act as a wide-range scientific forum.

International co-operation is an essential part of a high-level post-graduate education. This involves contacts and active exchange with the most prominent foreign representatives of post-graduate architectural education and research. The aim is to increase English study units in the Programme and to promote the mobility of post-graduate students within the possibilities offered by international financing institutions.

#### Student activities

The students' association, 'Kilta', operates actively in the Guild House, a traditional log building, which was moved from the city centre to the nearby island of Pikisaari by the students themselves. Kilta e.g. organises national student meetings, makes comments on the city's environmental policy, and arranges get-together parties, weekly sauna evenings and annual 1st of May festivals.

#### Administration and staff

The number of teaching staff totals 70 (including 35 part-time teachers and visiting specialists), and the office and technical staff 10.

Head of Department:

TARUMAA, Aarne, professor

Professors:

BRONER-BAUER, Kaisa, History of Architecture

KAILA, Panu, History of Architecture

KOISO-KANTTILA, Jouni, Building Science

METSÄ-KETELÄ, Heikki, Design and Art Studies

MAHLAMÄKI Rainer, Contemporary Architecture

NYMAN, Kaj, Urban Planning

TARUMAA, Aarne, Urban Planning and Design

TASA, Jyrki, Contemporary Architecture

TUPPURAINEN, Yrjö, Building Preservation

# Tampere University of Technology

## Department of Architecture

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Fax : +358 3 3115 3206

Email : achitecture@tut.fi, annukka.ristikaarto@tut.fi

Internet: www.tut.fi/units/arc

Application information: degree students, guest students: annukka.ristikaarto@tut.fi

Tuition and fees: degree students and exchange network guest students: student union fee: 74 euro



## Degree programmes

Degree	Title	Minimum duration of study	Admission requirements	Enrolment
Arkkitehti	MArch	5 years	high school or eq. + admission examination	30 per year
Licentiate or Doctoral Degree in Architecture	Lic.Tech. or Ph.D	varies	Master's degree + Approved study plan	
International Programmes	No degree	6-12 months 3 years study or BArch		

## General Information

The Department of Architecture at the Tampere University of Technology has been training architects since 1969. The first 15 students commenced their studies in autumn 1969. At present there are 429 undergraduates and 54 postgraduates. Teaching at the Department is divided among three institutes and a media laboratory:

- \* The Institute of Theory and History of Architecture, covering history of building construction, conservation of buildings, theory of construction design and visual expression.
- \* The Institute of Architectural Design, covering design of public buildings, residential buildings and service buildings, structures, materials and technical systems of buildings.
- \* The Institute of Urban Planning and Design, covering urban architecture, community and regional design, methods and theory of design.
- \* The Media Laboratory in charge of teaching in information and presentation technology and is also responsible for the visualisation, presentation and illustrative equipment of the Department, its workshops and laboratory premises.

The Department engages annually in quality work by arranging occasions such as opening ceremonies, quality meetings, exhibitions and seminars enabling self-evaluation of the direction and results of work. Exhibitions mounted using student projects and publications serve as a series to be monitored. Those involved in teaching also take an active interest in the diverse development in the

field. Since 1990 students have been encouraged to participate in international student competitions. Successful entries number thirty-one to date. The quality of these achievements is evidenced by the prestigious juries and numbers of competitors. Architects graduating from the Department have found good placements in the profession, doing well in architecture competitions and setting up their own companies. In 2000 an international jury acclaimed the Finnish Embassy in Berlin the world's most beautiful building. The architects who designed it were graduates of our Department. The quality of the research conducted in the Department is evidenced by the funding awarded by the Academy of Finland and especially by the funding awarded for research projects on the utilisation of wood. Datutop, the Department's publication presenting science and research, is internationally known and respected. The activities of the Department in international co-operation are to be seen in numerous co-operation projects, among them Paris-Villemin, Paris-Val-de-Seine since 1990. Every year we welcome international exchange students to our Department – 36 of them in the academic year 2002-2003. The Department was declared an artistic centre of excellence for the period 1999 – 2000.

## The Master's degree and curriculum for the degree programme in architecture

### General objectives

The aim of the degree programme in architecture is to render its graduates capable of exercising a profession in the field of architecture, these to

include developing a good built environment, construction design and the related implementation and managerial tasks. To summarize, the curriculum of the Department of Architecture has been designed to ensure that every student can acquire:

- an ability to create architectural designs that satisfy both aesthetic and technical requirements,
- adequate knowledge of the history and theories of architecture and related arts, technologies and human sciences,
- knowledge of the fine arts as an influence on the quality of architectural design,
- adequate knowledge of urban design, planning and the skills involved in the planning process, including traffic planning and urban engineering,
- understanding of the relationship between people and buildings, and between buildings and their environment,
- understanding of the profession of architecture and the role of the architect in society, in particular in preparing briefs that take account of social factors,
- understanding of the methods of investigation and preparation of the brief for a design project,
- understanding of the structural design, construction and engineering problems associated with building design,
- adequate knowledge of the physical problems, technologies and functions of buildings in order to provide satisfactory internal conditions of comfort and protection against unfavourable climatic conditions,
- the necessary design skills to satisfy the requirements of built



ding users within the constraints imposed by cost factors and building regulations,

- adequate knowledge of the industries, organisations, regulations and procedures involved in translating design concepts into buildings and integrating designs into overall planning.

### Structure of the degree

The master's degree programme in architecture comprises Basic Studies, Intermediate Studies and Advanced Studies, and also practical training and a master's thesis in the nature of a project. Studies in architecture provide an overall perspective and basic knowledge of

- the university institution and study environment, teaching and studies in architecture and the modes of working employed in studies, likewise the bases of design and scientific research and their importance in society
- the conceptual framework of architecture, theory, methods and development, likewise the skills necessary to practise a profession in the field
- the basics in the natural, behavioural and social and technical sciences to the extent that they are necessary in the tasks of the architect
- social structures and functions, also use of the environment and construction systems and the relevant legislation
- the tasks of those completing a master's degree in architecture, the position and ethical obligations in society.

The aim of Intermediate Studies is to provide students with a foundation in professional skill by means of which it is possible to make a useful contribution to the design of building and use of the environment, to planning and construction administration and also the utilisation of scientific research methods and findings. The main task in Intermediate Studies is to develop design skills.

Advanced Studies introduces students in greater depth to certain core functions within the field of architecture and provides them with problem-solving skills in design and research for which they have no prior learned models. Advanced Studies entails a master's thesis project demonstrating acquired maturity.

The curriculum includes Advanced Studies in

- construction design
- history of architecture and building conservation
- urban planning.

For the licentiate's degree students are required to complete studies in their major subject and supporting subjects and to prepare a licentiate thesis. This degree is in the nature of a stepping stone after which the doctoral degree may be taken by completing a doctoral dissertation. In doctoral studies students are required to go deep into the research field of their major subject, demonstrate independent and critical thinking and be capable of independently generating new scientific knowledge.

### Nature of studies

Compulsory studies comprise studies which are indispensable from the viewpoint of the professional field. For special reasons the Department may approve a personal curriculum for a student. For the licentiate's degree General Studies provide the capability for scientific work and research. General Studies mostly comprises courses arranged in the Department. Studies in a field of research are selected personally and approved separately. The seminar presentation aims at public presentation skills with regard to research methods and findings.

### Extent of studies (ECTS-credits in brackets)

The minimum extent (number of credits) required for the master's degree in architecture is 180 Finnish credits (270). This includes 14 credits (21) of Basic Studies, while the share of compulsory Intermediate Studies is 107 credits (160.5). Depending on the extent of the practical training the share of elective subjects is 23 – 25 credits (34.5-37.5). The share of Advanced Studies is at least 30 credits (45), of which compulsory courses are an advanced course of 10 credits (15) and the thesis project carrying 20 credits (30). The minimum extent of the practical training required by the degree programme is 4 credits (6), the maximum being 6 credits (9) in such a way that professional and practice on the site amount to at least 2 credits each. The maximum credits accepted in respect of excursions is 2 credits. The licentiate's and doctor's degrees involve a

major subject and supporting subjects, whose joint extent is approximately 45 credits (67.5).

### Completion of studies

It is permissible to embark on the master's thesis project once at least 140 Finnish credits (210 ECTS) have been taken. The thesis project is generally within the field of the Advanced Studies. The thesis is subject to separate instructions from the respective departments. Before evaluation these thesis project are placed on view. They are then reviewed in an open seminar at which all members of the Department may be present. The author has 20 minutes in which to present his/her work after which the professor responsible for evaluating it presents his/her statement. Thereafter other students and teachers in the Department may engage in discussion. After the seminar a grade is issued by the departmental council by majority decision of the teacher members.

### Student activities

All students at the University belong to the Student union after paying its membership fee. The membership provides discounts e.g. in bookstores, theatres and from buss and train tickets. Department of architecture has a student guild provides cultural and other free-time activities. Into the Student Union belong some 60 associations which offer students a lot of activities, from fishing and sailing to profession-specific clubs. These include tennis, ice-hockey, football and many others.

### Administration and staff

The Department of Architecture employs 8 professors, 13 full-time teachers, about 30 part-time teachers, 3-4 researchers, technical and administrative staff.

Professors:

Juhani Katainen, Head of the Department, Architectural Design  
Matti Rautiola, Housing Design  
Kari Salonen, Architectural Construction  
Tore Tallqvist, History of Architecture  
Ville Lukkarinen, Art History  
Reijo Jallinoja, Architecture  
Terttu Pakarinen, Urban Planning and Design  
Staffan Lodenius, Urban Planning and Design

## Ecole d'Architecture de Clermont-Ferrand

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web site : www.clermont-fd.archi.fr

Head : Alain DEREY

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### Degree programmes

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Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

About the school :

- 580 students
- 60 professors, 32 whom with tenure
- 40 students on average qualify yearly
- about 20 students 2nd cycle students attend school abroad each year
- about 20 international students attend the Clermont-Ferrand school each year
- 4500 M<sup>2</sup> of premises
- a library with more than 10 000 books, lot of French and foreign periodicals and research reports
- a photo laboratory
- a film theatre
- a photocopying service
- an experimental workshop for models
- three computer rooms equipped with internet
- two lecture halls
- a student cooperative shop
- two workrooms

#### About the town and the region

In the centre of France, in Auvergne region, Clermont-Ferrand is located 250 miles south of Paris, near great French and European cities by rail, road or air with the international airport of Aulnat;

Today the capital of Auvergne region offers to its 260 000 inhabitants the advantages of an important town while being located in a natural environment : the Parc des volcans d'Auvergne. The Auvergne region is in a way the ecological sanctuary of Europe. Clermont-Ferrand is twinned with Aberdeen (Scotland) Gomel (Belorussia) Norman (United States of America) Oviedo (Spain)

Regensburg (Germany) Salford (Great Britain) and Braga (Portugal). Clermont-Ferrand is well known as the world centre of the Michelin Tyre Company. and also has a strong activity in scientific research and farm-produce industry.. Two universities and several higher education schools each year welcome an average of 30 000 students which is a guarantee of dynamism for this town which moreover offers a rich cultural and artistic life.

#### Registration of EU students

Entry to the first year is open to all EU candidates with the French baccalaureat" or an equivalent degree. Pre-registration is compulsory. The application form will be sent on request in return for an A4 size envelope with a stamp of 1,75 form March 15th to May 15th Administrative registration of the selected applicants takes place annually in July.

#### Registration of non EU students

Non EU students living abroad or having a resident permit of less than one year have to apply compulsory via the French embassy of their home country from December to January

Non EU students living in France with a resident permit of more than one year have to apply directly to the school of Architecture from December to January.

#### Validation of studies and work experience

Applicants with French or foreign higher education degrees or work experience can ask for its/their recognition. Application has to be made at

the school of Architecture from March to April. This procedure has to be made in addition to the registration procedure (see above).

#### Student program

Courses are offered from Monday to Friday between 8 am and 6 pm Holidays are approximately the same as those of the public high school system. Student status allows for the affiliation of each student to the National Health Service. Non EU students have to be affiliated to the student French health insurance

#### Registration cost

It includes tuition at the school and various fees : (the National Health Service, supplementary health insurance..

The total fee was for 2002-2003 (it is equal to French University tuition.

#### An open school

##### School life:

Lectures, trips, exhibitions, conferences take place at the school to complete the courses, enrich the students' knowledge and contribute to the life of the city.

#### A school open to the city, the region and the rest of the world:

The school not only takes part in local events "Arts en ballade", "les pascalines"... and outside-the-town exhibitions, but it welcomes international thematic conferences. It has a leading role in the life of an "Architecture and Philosophy" network. It takes part in the works of the pole of experimentation and research in construction cultures at l'Ile d'Abeau (69).

It is also open to Europe and the world as part of its strategy for the development of international relations, which includes student and teaching staff exchanges and the elaboration common activities. The curriculum is backed up by training courses in France and abroad to offer the students opportunities to familiarize with the professional world.

### **The Curriculum**

Key features

#### **Initial training**

French schools of Architecture are accredited both by the Ministry of Culture and Communication and the Ministry of Youth Higher Education and Research.

The school of Architecture of Clermont-Ferrand has adopted the European Credit Transfer System (ECTS)

The prime vocation of a school of Architecture is to train future professionals responsible for the built environment. The studies are made up of 3 academic levels of 2 years each.

The design studios has been placed in the central role of the curriculum. Design studios are supplemented by special topic courses that explore specific architectural issues;

\* During the two first academic levels the training is almost the same in any French school.

#### **The third academic level allows each school to distinguish itself from others.**

The Clermont-Ferrand School of Architecture chose to develop three different thematic threads. Each thread is common to both a long design work and a seminar which form a total educational entity of 500 hours

- Theme 1 : Architecture, Art to inhabit it, Art of the place
- Theme 2 : Urban, Architectural and Landscape Transformations  
European cities
- Theme 3 : New Urbanized Territories

#### **Methods of Assessment**

Assessment are the same for French

and international students, i.e. continuous assessment with marking ranging from 0 to 20.

#### **French courses**

All international students attending the school of Architecture are entitled to free one semester French courses at their own level at the S.U.E.E. (Service Universitaire des Etudiants Etrangers) at the University Blaise Pascal.

#### **Post graduate diploma**

- 1) Development Strategies of small to medium-sized towns and of their territory
- 2) Systems, images and languages.

■

## Ecole d'Architecture de Grenoble

### École d'architecture de Grenoble

60 avenue de Constantine - BP 2636  
F 38036 Grenoble cedex 2  
Tel. : +33 (0)4 76 69 83 00  
Fax : +33 (0)4 76 69 83 38  
E-mail : info@grenoble.archi.fr  
http : //www.grenoble.arch.fr



### Programmes

Formation	Titre	Durée	Accréditation	Admission	Inscrit	% Admis
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#### General Information

Grenoble's school of architecture is the largest of France's 22 schools of architecture, which became the responsibility of Ministère de la Culture in 1997. The establishment is not on the university campus, but in the centre of the Villeneuve neighbourhood, in a modern urban environment well served by public transport. Grenoble is located in the middle of the mountains, at the intersection of three valleys, with links to the west (Lyon), the north (Savoy and Switzerland), and the south (Italy and the Mediterranean). In short it occupies a strategic position in the centre of Western Europe, with close links with Paris, only three hours away by TGV fast train.

The school has set itself an ambitious target, preparing students of all categories for the many trades involved in modern architecture.

To this end it has developed:

- a central, project-oriented courses, addressing the fundamental purpose of each project, the building itself, its immediate surroundings and the environs;
- special link courses to enable graduates to change speciality or pursue research;
- a large variety of research topics, providing the basic training courses with constant theoretical and experimental input;
- a vocational guidance unit, that also organizes continuous training schemes;
- links with other institutions and its academic, cultural and professional environment, in France and further afield.

About 900 students are enrolled at École d'Architecture de Grenoble. It organizes a wide range of courses and awards various degrees. As a result the number of state-accredited degrees (*diplômes d'état*) has not varied in recent years.

#### Undergraduate courses

Courses are split into three two-year units (*cycles*) with the focus on two main fields: architecture and knowledge for architecture.

The first field covers the theory and practice of architectural projects, the theory and practice of urban development, the history and theory of architecture and towns, the representation of architecture.

These four topics, taken as a whole, cover all the knowledge and methods specific to architecture.

The second field covers the various scientific fields and technologies that contribute to architecture – artistic expression, art history and theory, human and social science as applied to architecture, town planning and landscape theory. All of these topics are informed by knowledge from other disciplines, implicit or useful in the teaching of architecture.

The first two-year unit sets out to introduce students to architecture, giving them essential concepts and basic tools for handling projects. It comprises six modules, including an optional one during the second year. A degree is awarded at the end of this two-year course.

The second two-year course (second cycle) is devoted to theoretical work in architecture and town planning. It

comprises 14 modules, two of which are optional, and centres on the student's commitment to the discipline of architecture and an understanding of architects' responsibility in transforming our environment. Project management skills are developed in two fields that cannot be separated: construction and environment. During the second year of this course, students must complete a research assignment, in the form of a dissertation, starting from a problem that is specific to architecture.

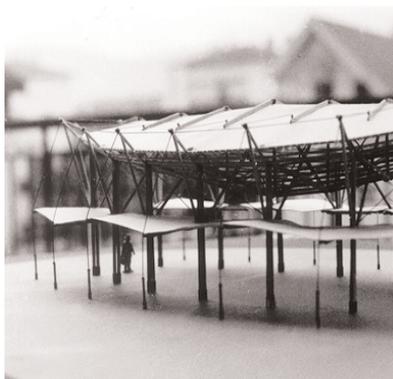
A further degree is awarded at the end of this two-year course.

The third two-year course prepares students for a state-accredited DPLG qualification. Candidates must have completed the second two-year course in architecture (second cycle) or hold an equivalent qualification. The aim of this course is to develop existing knowledge, to specialize and diversify. It comprises three main topics, organized into seminars and architectural workshops:

- Architecture and building culture,
  - Historical culture and architectural design,
  - Architecture and environment.
- During the second year of the course, students do a six-month internship (in France or abroad) and complete a personal assignment to round off their studies.

Grenoble school of architecture also organizes the following training courses:

- a two-year course (second cycle) in product design open to graduates having completed two years' study in higher education;



- a one-year postgraduate remote-learning course (DEA), organized in partnership with Nantes school of architecture, on Architectural and urban atmospheres;
- a two-year course (DPEA), specific to the school, on Earth structures;
- a one-year postgraduate course (DEA) on Systems study, with an option on architecture and urban life;
- a one-year postgraduate course (DEA) on Socio-cultural history, with an option on history of architecture and the city;
- a one-year postgraduate course (DESS) on Town planning and development, managed by Institut d'Urbanisme, to which the school contributes an option on Urban projects.

Applicants for DEA, DPEA and DESS courses must have successfully completed four years in higher education.

Students having completed the first two-year course at the school may also continue their studies at one of the following:

- Institut d'Urbanisme de Grenoble, with a course on Territorial development;
- Université Pierre Mendès-France, with a course on Art history;
- Institut Supérieur de la Construction, with courses on Building trades, or Construction management.

#### Research

Over the last 20 years the Grenoble school of architecture has become one of the foremost centres of architectural research in France. It is divided into four laboratories or teams:

- Cresson (UMR-CNRS), specializing in sound and the urban environment,
- CRATerre-EAG, specializing in earth construction,
- History of architecture and its trades,
- Architecture, landscape and mountains.

#### International exchanges

The school enjoys close links with many foreign universities within the framework of the Socrates programme or under specific agreements. Every year about 30 students spend a year at the universities in Brussels, Mons and Liège (Belgium),

Madrid and Valencia (Spain), Aberdeen (Scotland), Cagliari, Genoa, Milan, Rome, Trent, or Turin (Italy), Coimbra (Portugal) and Cluj (Rumania). There are also exchanges with Brisbane (Australia), Montreal and Ottawa (Canada), Guadalajara (Mexico), Campinas and Piracicaba (Brazil) and Nizhni-Novgorod (Russia).

The teaching staff contributes to international exchanges with periods of teaching or conferences in partner universities. They are also involved in work on the mountain environment with other Alpine universities (Milan, Trent, Turin), as well as working with the schools of architecture in Aberdeen, Valencia and, just recently, Cluj and Ljubjana, within the framework of the intensive course on Mountains, landscape and architecture (Socrates programme).

#### School life

The school boasts a large number of clubs and associations:

- Archi & Co: a student cooperative specializing in the sale of stationery and office supplies.
- Astragale: cultural events, running of the school's cafeteria, with meals served at all hours.
- Archiball: sport.
- Cutch: an intermediary between students and professional architects for internships and work.
- Africa Présence: cultural events to promote African architecture (exhibitions, encounters, etc.).
- Transfert: promotion of international student exchanges, information and support for foreign students.

#### Key figures

900 students - 75 DPLG degrees awarded each year,  
92 teachers (permanent and temporary staff),  
4 accredited laboratories and research teams,  
33 administrative staff.

#### Admission procedure

Access to the first two-year course (premier cycle) is open to students having passed the baccalauréat or holding an equivalent qualification, subject to a selection procedure. Please enquire for additional information.

Registration fees are the same as for university entrance. Registered students may benefit from social

security coverage, depending on entitlement. They may also use CROUS services – halls of residence, canteens, preventive medicine, counselling, etc. They may also qualify for special rates on public transport and admission to libraries, museums, cinemas, etc.

#### Contacts

Director:

Vincent Michel

Director of study:

Philippe Lequenne

Switchboard and reception:

+33 (0)4 76 69 83 00 (8.30 to 12.00, 13.30 to 17.00 Monday to Friday)

Applications (premier and second cycle):

Marie-Geneviève Evrard

E-mail:

Marie-Genevieve.Evrard@grenoble.archi.fr

Postgraduate and research:

Isabelle Benhis

E-mail:

Isabelle.Benhis@grenoble.archi.fr

Design training:

Marie-Antoinette Galland

# Nancy School of Architecture

## Ecole d'Architecture de Nancy

2, rue Bastien-Lepage-BP 435  
54001 Nancy cedex  
tél. : - 33 (0)3 83 30 81 00  
fax : - 33 (0)3 83 30 81 30  
e-mail : ean@nancy.archi.fr  
http://www.nancy.archi.fr



### Programmes

Formation	Titre	Durée	Accréditation	Admission	Inscrit	% Admis
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#### General

The new school building, created by Livio Vacchini, was in 1995 the first step to a new dynamic neighbourhood and symbol of a new conquest of old industrial wasteland in the city.

Then a pioneer, the School of Architecture is now surrounded with housing, educational establishments, offices, public gardens and new activities that will, in a few years, form a new neighbourhood between the river Meurthe and the Marne-Rhine ship canal.

With its modern layout and architectural choice, the Nancy School of Architecture is a constant encouragement to debate architecture in the region.

Being situated at less than 600 meters from the famous Stanislas Square, architecture is part of the great urban center.

In this way, it symbolises a comeback by university to the urban environment but also the place that students must take in the city.

The School has improved in the following fields:

- architecture professionals' initial training.
- data processing and computer graphic adult education.
- architecture teachers' training.
- scientific research based on two research laboratories: the CRAI (Centre de Recherche en Architecture et Ingénierie / Architecture and Engineering Research Center) and the LHAC (Laboratoire d'Histoire de l'Architecture Contemporaine / Contemporary History of Architecture Laboratory).

- promotion of periodic and one-off architectural events.
- participation in the SOCRATES and TEMPUS programmes (universities from Europe and Eastern Europe). As part of this programme, the school receives foreign students while its students are taken in by partner schools. (Barcelona, Florence, Venice etc.)

#### Partnership

The Nancy School of Architecture has been linked to the INPL (National Polytechnic Institute of Lorraine, grouping eight engineering schools) by a cooperation agreement since June 1992 and, as such, is an associate member of the «Conférences des Grandes Ecoles». It is also a partner of the «Pôle Universitaire Européen de Nancy-Metz».

#### Training

The educational programmes are structured in three stages of two years each, leading to the architecture degree.

The first stage, based on generalisation, gives the bases for a solid culture in art history and space management, fundamental elements for conception-creation work in addition to training in the fields of sciences and techniques of construction which is essential for construction-production work.

Graphical and technical applications get more concrete development during the second year of the first stage which aims to give students conceptual, methodological and instrumental knowledge. This stage ends with the delivering of the First Diploma of Architectural

Studies. During the third and fourth years, training pursues the general teaching of conception-construction of space. It introduces the students to the Nancy Architecture School's specific research fields together with specialisation in a field of research including the production of a thematic memoir. At the end of this second stage, the students will have the Second Stage of Architectural Studies Diploma.

The third stage covers the last two years of study and allows a specialisation in practises aimed at specific professions.

With the variety of fields of activities available, the fifth year brings an initial specialisation in conception practice. In this cursus the student will also decide on his (her) end-of-study project.

The sixth year highlights the various ways of practising the profession of architect by encouraging the students to enter the different competitions proposed to them, by professional training and by introducing them to the complexity of a workshop project.

Finally, it's the programme's consecration with the presentation of the End of-Study Personal Work. (TPFE Travail Personnel de Fin d'Etudes)

#### Degrees

As well as the degree course leading to the master degree «oeuvre généraliste» and in partnership with other higher education establishments, the Nancy School of Architecture offers the possibility of preparing third stage degrees other than the DPLG Diplôme d'Architecte.



In this way The Nancy School of Architecture proposes:

- DEA - (Diplôme d'Etudes Approfondies) - Modélisation and simulation of built-up areas

This course offers a first year of research on modelisation and computer simulation of town planning and landscaping, not just from a theoretical and methodic point of view but also from an applied point of view. It also allows the students to carry on with their theses (formation doctorale Sciences de l'architecture). The Nancy School of Architecture, the Strasbourg School of Architecture, the ENSAIS (Ecole Nationale Supérieure des Arts et Industries de Strasbourg) and the INPL are associated with the Henry Poincaré University of Nancy which is the principal member of the organisation.

- DESS - (Diplôme d'Etudes Supérieures Spécialisées)

**Monumental Archeological Heritage**  
This course is open to architects wishing to work in the archeological field, both in research and in preservation and development of archeological sites. The principal organism of this degree is the Strasbourg School of Architecture, the Architecture Schools of Paris-Belleville and Nancy being associated.

- DESS - European Architectural Practises

This cursus is open to fully qualified architects from French and foreign establishments leading to careers in design, architecture or city planning. It aims at an understanding of the most significative contemporary practises, from the cultural conditions from which they stem to the concrete process of their realisation. The Nancy School of Architecture and the INPL are the principal organisations in association with the association CIPRA «La Première Rue».

- DESS - Digital Imagery and interactivity

Its goal is to turn out computer design and interactivity specialists with competences combining technical skills in the digital tools field with an artistic sensibility. Henri Poincaré University - Nancy 1 and Nancy 2 University are the organisations in charge, the Nancy School of Architecture and the Nancy National School of Art are associated.

- DESS - Wood Materials and their use in construction

This allows architects and engineers to acquire a double competence through an original cursus centered on science and techniques concerned in wood used in construction and architecture. The principal organism for this degree is the National Superior School of Technology and Wood Industry ENSTIB at Epinal. The Nancy School of Architecture and The Strasbourg School of Architecture are associated with it.

- DRT - Diplôme de Recherches Technologiques -The Science of Engineering in Architecture and Urban Studies

This training is open to young graduates from technological schools (MST, IUT) and to engineers and architects, involving technological research work on a topic proposed by an enterprise. The training essentially takes place in the company, the goal being to assist engineers and architects employed in companies and factories. The Nancy School of Architecture School and The Nancy Ecole des Mines (Civil Engineering School) are associated with the INPL which is the principal organism of this specialisation.

#### Research

Since its creation, the school has, in tight collaboration with other higher education establishments, shown through its research program its real desire to contribute to the development of knowledge and technology in high quality education.

1. CRAI, Research Centre in Architecture and Engineering, is a laboratory of the UMR-MAP (Unité Mixte de Recherche - Modèles et simulations pour l'Architecture)

The projects of this laboratory deal with 3D modeling, simulation and computer imaging, the modelisation of the conception technique and of its computerised representation. Numerous simulations have been designed for Delphi, Monaco, Nancy, Paris, Quito etc.

2. LHAC. Contemporary Architecture History Laboratory  
Created in 1985, it studies, from a historical point of view, the ideas, values and trends of architecture in France, from the second half of the 19th

century to the present day and the history of building and city planning in Lorraine and Nancy. The school has also extended its teaching activities in the field of materials by the creation of CRIT Matériaux (Technical Information and Resource Centre for Materials) whose mission consist of establishing links between professional bodies, material producers, teachers and contractor.

#### Student life

- ARCHI-MADE- created in 1991, this association offers to students the opportunity to take a look at professional practices by work placement. Through this practical work, the students will use all the training and knowledge they have been accumulating during their cursus.

- Archi-Intercultures - an association helping foreign students to find their place in the community.

- Sports Association - proposes sports meetings and individual sports to students.

- «Vis-là dans tout ça» - organises all through the year exhibits and shows in the fields of music, theatre and dance.

- Association Générale - has premises near the cafeteria and manages school and refreshment supplies, also organising various parties and outings throughout the year.

#### Administration and Staff

The school employs 28 full-time teachers and 7 assistant lecturers working with more than 50 part-time teachers. The administrative office is composed of a staff of 29 people. The Nancy School of Architecture has 600 students, all years included.

Administration Council Chairman:  
Guy VATTIER  
Head of School:  
Denis GRANDJEAN

## School of Architecture of Saint Etienne

1 Rue Buisson  
 42 000 Saint Etienne  
 Tel. : 04 77 42/35/42  
 Fax : 04 77 42/35/40  
 email : ease@st-etienne.archi.fr

Application deadline : january for regular students, march for students in exchange (Socrates, free-movers...)

Duration of studies : six years – full time organised in 3 cycles of 2 years each



### Degree programmes

Degree	Title	Minimum duration of study	Enrolment	% of total admission		
		6 years	First cycle	year 1 year 2	67 students 55 students	20% 16%
			Second cycle	year 3 year 4	60 students 39 students	18% 12%
		Third cycle	year 5 year 6	40 students 74 students	2% 22%	
		Total		335 students	100%	

### General information

Saint Etienne has the smallest school of architecture in France. With a little over three hundred and fifty students it has managed to preserve a convivial atmosphere.

The Saint-Etienne School of Architecture draws its strength from its relative fragility. Its difficult birth in 1971, thanks to Mayor Michel Durafour who put pressure on the Ministry of Culture, provided it with a staunch fighting spirit.. unlike some provincial schools which are too dependent on local professionals Saint-Etienne has been able to extricate itself from its cultural environment from the outset.

Rather than regarding town planning as a separate science with its own models, completely out of the teaching of architecture and creating a separate section for this the Saint - Etienne School chose to gradually integrate the study of space, and then town planning in the form of an urban renovation policy. The teachers are anxious to preserve the future of this "pedagogic autonomy".

The EASE computes 25 teachers at full time and 25 specialized teachers. It participates in European exchange programmes such as SOCRATES and has established contacts with universities in the USA, Canada, Mexique, Brésil, Argentine.

The Characteristics of the study is its project pedagogy, the teaching of architectural science and techniques, and the comparison of art and architecture.

Two sites of Le Corbusier's legacy are close to Saint Etienne:

- Firminy(10 minutes by motorway) with the residential unit, its culture palace and the site of Saint Pierre church
- L'Arbresle an hour's drive away for the convent of la Tourette account for a significant part of le Corbusier's work in France.

### Facilities

The School of Architecture is situated in the center-city. The EASE is within easy reach of the railway station. With its population of 200 000, or 450 000 including the entire urban area, Saint-Etienne is one of the three regional metropolises(the other town's being Lyon and Grenoble) in one of France's most dynamic areas in the field of research and higher education. A very tightly-knit communication network means that it is easy to take advantage of the full spectrum of university education, as well as cultural and tourist opportunities. Saint Etienne is 40 minutes from Lyon, 50 minutes from Satolas international airport, an hour and a quarter from Clermont Ferrand and an hour a half from Grenoble. In addition, there are convenient direct links with Paris(one hour by air or two hours fifty by direct high-speed train (TGV).

Saint Etienne School of Architecture houses all the facilities needed for teaching and research.

It has :

- a library with 8000 titles and subscriptions to numerous periodicals
- a chart room

- a laboratory for product development where students can built prototypes and a physics laboratory to test models by means of simulated external influences
- an informatic workroom
- a photographic laboratory.

### Educational programme

The collège Project developed by the teachers of Saint-Etienne School of Architecture aims in particular at supporting the architecture discipline and to promote professional diversification. For the teachers, "architecture no longer lies at the crossroad of other disciplines, nowadays it is asserting itself as a discipline at the crossroads of various trades." Saint-Etienne college has adapted its teaching structure to form a new course spanning three cycles :

- THE FIRST CYCLE  
It aims giving students the basics, both in terms of working methods and in terms of theory and practical skills needed for design and representation. This cycle culminates in the graduating of the first cycle of studies of architecture, accredited by the Ministry of National Education.
- THE SECOND CYCLE  
A second period of two years-ends up by making the students, who are divided into autonomous"project groups", led by a lecturer, gradually autonomous. A sufficient territory of operation serves as a forum for confrontation, debates and studies. As in the first cycle, autonomous



disciplinary modules and personalised options complete the spread of educational opportunities, leading to the production of a dissertation.

This second cycle culminates in the graduating of the second cycle of studies of architecture, diploma equivalent to a master's degree, accredited by the Ministry of National Education.

#### - THE THIRD CYCLE

Deepening and professionalization are the key words for the fifth year followed by a period of probation of 6 months. The third cycle is punctuated by a TPFE (personal end of studying work), this piece of work, which is presented to a board, gives access to the architecture diploma, which is equivalent to a licence of practice.

The setting up of doctoral training courses, certainly for a limited number of students, will be the other function of the third cycle.

They rest upon two pillars:

- the urban project and the problem of the margins
- architectural modelling

In each year of the first and the second cycle the followed modules are taught:

- architectural project : theory and workroom
- structures and atmosphere : lectures and TD
- plastic art : lectures and TD
- social sciences : lectures and TD in geography, sociology, philosophy
- exact sciences : lectures and TD in mathematics, geometry, computer science, language;

#### Research programme

Research at the school of Architecture of Saint Etienne, is developing through two structured teams :

- Town, Architecture, History  
This team includes architects, town planners, philosophers, sociologists, architecture and town historians, and art teachers. It has been functioning as a team since 1985 and researches deal with the history of the urban and architectural form's production in the region of Saint Etienne, in France and in South America. It organizes or coorganizes seminars, exhibitions and catalogues-

some of which are still available on this theme in France and abroad, especially in Poland. Some of these works were led in collaboration with researchers from Lyon and Grenoble, from Toulouse, from Spain (Valladolid) and from South America (Mexico City). The results have been published in several different French and international magazines.

- Teams of Studies and Modelling on Architecture and Town Planning  
Within this team formed in 1996/1997, architects, historians, computer scientists and philosophers propose their viewpoints on the model and modelisation applied to architecture and town planning. Through this problem, they notably tackle the question of cognitive models, the theoretical bases of architecture; the modelisation of the practices of project and the models of integration of technical viewpoints.

Beside these two teams a "group of Le Corbusier" also functions, justified by the presence in Firminy of the most important heritage of Le Corbusier in Europe (including blocks of flats, an arts center, a stadium and an uncompleted church).

This group lays less the focus on the history of architectural production than on the experience of the users. It is also much interested in the heritage of this modernity in France and Brazil. It regularly collaborates with the researchers from Rio de Janeiro and Brasilia. With researchers of the institute of Arts of Paris-Sorbonne, it has additionally been coordinating meetings for nine years on architecture between France and Brazil - some of them have already been published.

#### Students activities

There are two student associations:

- ARCHIMATOS  
Student association in charge of buying the material needed to draw, write as pens, papers,...
- B. D. A. is the student's department in charge of organizing everyday life in the School. The "Brique d'or" is given, each two years, to the best teacher, the best student...

#### Administration and staff

The school employs 25 full-time and 25 part time scientific staff.

Dean of the School of Architecture

François Duval  
Chairman of the architectural project -first cycle

Denis Lenglard  
Pierre Mazodier

-second cycle  
J M Dutreuil  
Christian Drevet

-third cycle  
Claude Tautel  
Chairman of structures and atmosphere  
René Hughes

Chairman of plastic art  
Henri Ilayes

Chairman of social sciences  
J N Blanc

Chairman of exact sciences  
Gilles Rochette

Council's Administration's President :  
J.M. Dutreuil.

## Ecole d'Architecture de Strasbourg

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Email : [ecole@strasbourg.archi.fr](mailto:ecole@strasbourg.archi.fr)

http : <http://www.strasbourg.archi.fr>

Date limite d'inscription : (fin avril étudiants français – 31 janvier étudiants étrangers)

Droits d'inscriptions : 1er cycle : 133,24 Euros  
2e et 3e cycle: 252,76 Euros

### Programmes

Formation	Titre	Durée	Accrédiation	Admission	Inscrits	
Architecture	D.p.l.g.	6 ans	Ordre des Architectes	Baccalauréat ou équivalent	1e année	106
					2e année	110
					3e année	67
					4e année	73
					5e année	50
					6e année	148
					Total	554

#### Informations générales

L'Ecole d'Architecture de Strasbourg a été fondée en octobre 1921, après la fin de la Première Guerre Mondiale et de l'annexion de l'Alsace-Lorraine. Installée dans les locaux du Palais du Rhin (ancien Kaiserpalast) jusqu'en 1987, elle occupe actuellement un bâtiment dont la destination première était un garage. Ancienne Ecole Régionale des Beaux-Arts, l'Ecole fait partie des 20 écoles d'architecture réparties sur le territoire français, sous tutelle du Ministère de la Culture et de la Communication. Etablissement public en 1986, l'école a développé des contacts internationaux nombreux, facilités par sa position géographique. Par ailleurs, elle occupe une place importante dans l'enseignement supérieur au niveau régional, en étroite collaboration avec les trois universités.

Composée d'une équipe pédagogique de 36 enseignants, d'une équipe de personnels administratifs, techniques et de service de 25 personnes, elle assure la formation de étudiants répartis sur la formation initiale, la formation continue diplômante, comprenant également les étudiants Socrates et les étudiants en post-diplômes (DESS-DEA).

L'école dispose d'environ 4.000 m<sup>2</sup> de locaux et une extension prochaine est en cours pour porter la surface utile à 8.000 m<sup>2</sup>. des salles informatiques, une bibliothèque-documentation, un labo-photo et des surfaces d'exposition contribuent à améliorer l'enseignement théorique et d'ateliers.

La bibliothèque dispose d'environ 10.000 ouvrages dont une centaine

très anciens (XVIe-XIXe siècle), 300 titres de revues, dont 100 abonnements, 1.000 diplômes, des supports multi-médias, une photo et diathèque, une riche carthèque et planothèque sont également à disposition des usagers.

Les étudiants peuvent bénéficier de chambres en cités universitaires ou chez des particuliers en faisant appel au service logement du CROUS.

#### Facilités

L'Ecole d'Architecture de Strasbourg est située en centre ville, dans le quartier de la gare. Les accès ferroviaires, autoroutiers et une ligne de tram sont à proximité immédiate et facilitent les déplacements. Un restaurant universitaire accueille les étudiants dans une rue voisine.

#### Programme

Les objectifs principaux du 1er cycle sont l'initiation aux outils de compréhension de l'architecture et l'apprentissage des outils de la conception architecturale. Ces objectifs, s'ils mettent donc l'accent sur l'architecture (60 % du temps étudiants) réservent une part importante aux enseignements complémentaires: sciences humaines, disciplines artistiques, histoire, etc.

Le second cycle est organisé, d'une part, en enseignements de type tronc commun en 3e année, afin de constituer un socle de connaissances, de concepts et de savoirs fondamentaux commun à l'ensemble des étudiants et, d'autre part, en enseignements permettant aux étudiants d'anticiper leur projet de 3e cycle en privilégiant les options ou les échanges internationaux.

Le 3e cycle est organisé sur une structure semestrielle comportant en 5e année, un séminaire et un stage et en 6e année, un module approfondi de projet et des « groupes thématiques (TPFE, module professionnalisant). La 5e année du structure identique à un DESS ou DEA peut être effectuée dans le cadre universitaire et donner lieu à une validation dans le cursus d'architecture.

#### Post-diplômes

##### DESS Co-habilités

- Maîtrise d'œuvre et projet urbain (avec l'Université Louis Pasteur et l'ENSAIS)
- Patrimoine archéologique monumental (avec l'Université Marc Bloch)

##### DESS-DEA auxquels l'école est associée

- DESS Matériaux bois et mise en œuvre dans la construction (avec l'ENSTIB Epinal, l'E.A. Nancy)
- DEA Modélisation et simulation des espaces bâtis (avec l'Université Henri Poincaré de Nancy, l'E.A. Nancy et l'ENSAIS)

##### DEA et DESS reconnus par convention entre établissements

- Arts, Histoire et Civilisations de l'Europe (avec l'Université Marc Bloch – UFR Histoire)
- Arts – Théorie et pratique des Arts (avec l'Université Marc Bloch – UFR Arts Plastiques)
- DESS Villes et conflits (avec l'Université Marc Bloch – UFR Sciences Sociales)
- DESS Images de Synthèse Appliquées à la Communication (avec l'Université Marc Bloch)

- DESS Gestion industrielle et innovation avec l'Université Louis Pasteur et l'ENSAIS)

#### Recherche

Quatre séminaires de 3e cycle sont articulés avec des axes de recherche de l'Ecole ou d'enseignants de l'Ecole :

- Ambiances architecturales et urbaines
- Histoire, épistémologie et enjeux du développement urbain
- Histoire et patrimoine de l'architecture contemporaine (avec l'E.A. Nancy)
- Modélisation des espaces bâtis (avec le laboratoire CRAI commun à Nancy et Strasbourg, UMR CNRS 694)

#### Etudiants, associations et activités

5 étudiants sont élus chaque année pour représenter les étudiants aux Conseil d'Administration.

Des délégués par années d'études sont désignés à chaque rentrée et permettent ainsi des liens forts entre les étudiants et l'administration. Il existe une association des étudiants, l'A.S.I.A, gestionnaire de la K'fet, assurant également des prestations pour les étudiants par le biais d'une coopérative d'achats, d'organisation de voyages, d'expositions et de plusieurs fêtes.

Une association, Architrav, de type Junior Entreprise est également présente à l'Ecole et permet une insertion professionnelle ou des mises en situation de stages.

L'association des anciens de la Formation continue diplômante assure le lien avec les professionnels issus de cette formation et les étudiants en cours de formation continue.

#### Administration et enseignants

L'Ecole compte 36 enseignants titulaires et contractuels et plus de 40 enseignants sur vacances auxquels s'ajoutent les professeurs associés et invités.

Président du Conseil d'Administration  
Philippe BACH

Directeur  
Yves AYRAULT

Responsable de la pédagogie 1er cycle et des relations Internationales

Francis Weidmann

Responsable pédagogique 2e et 3e cycle

Catherine Lecaille

■

## Ecole d'Architecture de Lyon

3, rue Maurice Audin  
 BP 170  
 F - 69512 VAULX-EN-VELIN Cedex  
 tel. : (33) 04 78 79 50 50  
 fax : (33) 04 78 80 40 68  
 e-mail : eal@lyon.archi.fr  
 website : www.lyon.archi.fr

Head : Michèle Tilmont



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

##### Key figures

French schools of architecture are public institutions, under the supervision of the Ministry of Culture, Department of Architecture and Heritage (DAPA).

The Lyon School of Architecture welcomes 680 students. 120 new students register yearly and from 60 to 80 diplomas are delivered. The school comprises 3 teams of researchers, 38 full-time teachers and 50 part-time lecturers upon contract. The administration is run by 40 people. The annual budget is 2 million euros. The building, inaugurated in 1988, is 8300 square metres. An extension of 3500 square metres is planned for 2005.

#### Registration of EU students

Entry to the first year is open to all EU candidates with the French baccalauréat or an equivalent degree. Pre-registration by correspondence is compulsory. The application form will be sent on request from the beginning of March to the end of April. It can also be downloaded from our website. Administrative registration of the shortlisted applicants takes place annually in July.

#### Registration of non EU students

- Non EU students living abroad or having a resident permit of less than one year have to apply compulsory via the French embassy of their home country from December to January.
- Non EU students living in France with a resident permit of more than one year have to apply

directly to the school from December to January.

Applicants with French or foreign higher education degrees or work experience can ask for its/their recognition. Application has to be made to the school from March to April. This procedure has to be made in addition to the registration procedure (see above).

#### Registration cost

They include:

- tuition at the school
- various fees : student National Health Service, supplementary health insurance...

The total fee is approximately equal to 450 euro.

#### A crossroad for architectural and urban issues

A building that speaks for architecture

Constructed between 1985 and 1987, the school's own building is an achievement from the Jourda and Perraudin's office. In 1986, these two architects, Françoise-Hélène Jourda and Gilles Perraudin, recently graduated from the Lyon school, obtained the "mention spéciale" at the annual French award, the "Equerre d'Argent", for this project.

The building was widely published in international journals of architecture and continues to draw many students and architects.

#### A rich geographical background

The school is located in the centre of Vaulx en Velin and takes part in the urban renewal of the city. This privileged location at the heart of urban issues has allowed the

school to develop abilities to deal with issues concerning urban design in suburbs, emerging citizenships and life quality standard inherent to the 21st Century. Its campus which groups together the Lyon School of Architecture and the National College of Civil Engineering is devoted to studies regarding cities and urban planning. This evidences the school's choice of identity i.e. to be oriented to engineering and building.

#### An incentive network of partners

With 2000 years of living architecture Lyon illustrates the advance and evolution of the architectural and town planning design in an exceptional way. For the school it is a rich and incentive cultural background. This outstanding heritage - Lyon is registered as World heritage site by UNESCO - leads teachers to analyse history and to study both the principles and methods for restoration and refurbishment.

Furthermore the architectural design is enriched by numerous contemporary works by the most creative architects, town planners, landscape architects and artists (Nouvel, Piano, Buren, Bohigas, Corajoud...), evidencing thereby the importance of innovation in the field of architecture.

The urban community of Lyon is composed of 55 cities. Its town planning office, in partnership with the school, carries out studies of rural areas as well as of the outskirts and the urban core.

Due to the diversity of problems and scales, added to the high quality of its public spaces, Grand Lyon is a



noteworthy base for apprenticeship, studies and projects.

The Rhone-Alpes region gathers 10% of the French market for research and higher education and is in constant contact with the leading European regions.

The very important motorway and rail systems connect the schools of neighbouring towns very easily and thus constitutes a real regional network of architecture teaching with the Grenoble and the Saint-Etienne Schools.

#### **Education at the Lyon School of Architecture**

##### Curriculum

The prime vocation of a school of architecture is to train future professionals responsible for the built environment to numerous fields of trades and professions related to architecture. The studies which are made up of 3 academic levels of 2 years each integrate both the open-mindedness and the variety of skills required by the practice of architecture. During the first two academic levels, the training is almost the same in any French school. As regards the third academic level, each school offers its own training specialities depending on its resources and fields of research. The third academic level allows each school to distinguish itself from others.

French schools of architecture are accredited both by the Ministry of Culture and Communication and the Ministry of Youth, Higher Education and Research. They deliver national degrees at the end of the first academic level and at the end of the second academic level. Schools of architecture work out their third academic level which leads to the architectural degree DPLG (Graduated by the government). This diploma is delivered by the Ministry of Culture and Communication and is recognized by the State for the registration at the National Architect's Association. Schools of architecture also offer post graduate trainings and deliver their own diplomas (specialized short training programmes).

During the first two academic levels, the teaching is comprehensive and groups together artistic, technical and social approaches. It is split into two



units : architecture and skills for architecture. The teaching allows to master artistic, creative and technical skills to prepare for a job demanding huge synthesis capabilities around architectural and urban design.

During the third academic level architecture studies are above all profession-oriented.

The third academic level of the Lyon School is made up of 4 elective training specialities:

- Architecture and new technologies,
- Architecture and heritage,
- Architecture, building and sustainable development,
- Architecture, cities and territory.

These specialities are upgraded by 3 research teams who are directly involved in the courses. During the 6th year, a one-semester practical training is combined with the preparation of the final project (TPFE) concluded by a public presentation.

From the academic year 2003/2004 onwards, the teaching will be scheduled in semesters in keeping with E U guidelines.

#### **Qualified continuing training**

A qualified continuing training was also arranged for professionals. Within at least 4 years and a half it allows them to obtain the architectural degree DPLG.

#### **Parallel training programmes**

- Preparation for the competition AUE (State architect and town planner) after graduation
- High Environmental Quality training (HQE).

#### **Double degree**

Thanks to its privileged relationships with the 3 neighbouring schools of engineers (ENTPE, INSA and Ecole Centrale), the Lyon School of Architecture has set out a double degree. It allows students to jointly prepare the two diplomas and to obtain a degree in engineering with only one additional year of study.

#### **Research**

The Lyon School of Architecture is home for 3 teams of research accredited by the Ministry of Culture and Communication:

- A.R.I.A (Applications and research



in computer science and architecture)

- LAF (Analysis of forms laboratory)
- V.A.H. (Cities - architecture - history) in partnership with the Saint-Etienne School.

#### **International relations**

The Lyon School of Architecture developed international relationships with 27 schools or institutes of architecture within the frame of either the European exchange programmes (Socrates) or bilateral agreements with schools of other countries.

The fields of collaboration firstly concern the mobility of students. During the second academic level, they can follow a part of their curriculum abroad. Each year 40 Lyon's students join schools abroad. Conversely, 40 exchange students integrate our school.

The practical training of the final year can also be performed abroad.

■

## Ecole d'Architecture de Versailles

2 Avenue de PARIS, 78000 VERSAILLES

Adresse postale:

BP 674, 78006 VERSAILLES CEDEX

Tél : 0 00 33 1 39 07 40 00

Fax : 0 00 33 1 39 50 08 5

E-mail : eay@Versailles.arch.fr

<http://www.Versailles.arch.fr>

Date limite d'inscription:

(fin Mars étudiants français fin Janvier étudiants étrangers)

Droits première - 122 Euro +S.S.

### Programmes

Formation	Titre	Durée	Accrédiation	Admission	Inscrit	% Admis
Architecture	dplg	6 ans	Orde des Architects	Bac ou Equivalent	340	40%

#### Informations Générales

Installée depuis 1969 dans les bâtiments des anciennes Petites Ecuries du Roy, l'Ecole d'Architecture de Versailles occupe une situation géographique privilégiée, (Paris, province, banlieue). Dès cette date, elle a noué maintes relations nationales et internationales avec d'autres établissements culturels et scientifiques. Elle s'est investie dans le développement de la recherche architecturale et a publié de nombreux ouvrages. Devenue établissement public en 1981, l'Ecole Architecture de Versailles évolue aujourd'hui dans un environnement universitaire et culturel en plein essor. Poursuivant l'intégration des évolutions économiques, sociales, et technologiques, l'Ecole d'Architecture de Versailles s'est engagée dans la réforme nationale de l'enseignement en trois cycles. Soucieux des enjeux que les étudiants auront à relever dans les prochaines décennies, son personnel particulièrement expérimenté et diversifié (professionnels de l'art, de l'architecture, de l'ingénierie de l'urbanisme, de l'aménagement et du paysage, universitaires, chercheurs, juristes, administrateurs) délivre des enseignements en groupe restreints garantissant suivi pédagogique et progression.

L'Ecole regroupe 80 professeurs, un staff (administratifs techniques et de services) de 45 personnes et un total de 850 étudiants comprenant : étudiants en formation initiale, étudiants de l'université d'Illinois (USA), étudiants SOCRATES (Europe), étudiants en post - diplôme (CEAA, DEA) et étudiants en formation continue.

#### Facilites

L'Ecole d'Architecture est située dans le centre de Versailles en face du château.

#### Programme

Trois objectifs principaux orientent l'ensemble du cursus de formation : favoriser une pratique intense du projet architectural, développer les questions de l'architecture dans les domaines de l'édifice, de la ville et du territoire, préparer les étudiants à des modes d'exercice professionnel diversifiés (exercice libéral traditionnel, travail au sein des collectivités publiques locales ou territoriales, assistance architecturale à la maîtrise d'ouvrage, etc).

Les études d'architecture sont organisées en trois cycles deux ans. A la fin des deux premiers cycles, les écoles délivrent des diplômes nationaux d'enseignement supérieur, aux niveaux DEUG et maîtrise. Le diplôme de 2ème cycle permet l'orientation vers des 3° cycles qui conduisent soit au diplôme d'architecte DPLG (diplôme d'Etat ouvrant droit à la licence d'exercice) soit à une spécialisation (DESS, DEA; Doctorat).

#### Un double objectif de formation structure l'enseignement

Le projet architectural et urbain occupe une place centrale. La formation permet l'acquisition de méthodes propres à l'enseignement supérieur (recherche, expression écrite et orale...). Cet ensemble garantit le niveau scientifique, technique et culturel que la société attend d'un architecte.

#### Post- Diplomes

L'école d'architecture de Versailles organise ou participe dans de nombreuses formations post-diplôme dans les domaines de l'architecture, de la réhabilitation, de la ville, de l'histoire du paysage et des jardins historiques.

En particulier:

DESS Architecture et patrimoine Maghreb et Proche Orient  
DPEA Jardin historiques patrimoine et paysage.

CERCOL

DEA Histoire socioculturelle  
DEA Projet architectural et urbain

#### Recherche

Le département de la recherche regroupe deux laboratoires : le Ladrhaus et le Grai.

**1. LADRHAUS**, Laboratoire de recherche histoire, architecture-société

Directeur scientifique Jean Castex  
Les recherches sont regroupées selon deux axes:

- La ville contemporaine: forme, type, savoirs
- Le projet architectural: figures, représentations, enseignements.

Une liste des publications peut être obtenue auprès du Ladrhaus. Elle est installée dans le bâtiment des petites Ecuries construit par Mansart.

L'Ecole est bien reliée aux réseaux de transports:

Gare de Versailles rive gauche (Paris Invalides RER C)  
Gare de Versailles rive droite (Paris Saint-Lazare)  
Gare de Versailles Chantier (Paris Monparnasse)

Autobus 171 en provenance du Pont de Sèvres

Possibilité de parking dans les cours.

L'École dispose de 8000 M2 de lieux de travail rénovés, 300 places d'ateliers, de salles informatiques, d'un centre de documentation informatisé (accès internet), d'un labo-photo, d'un auditorium, d'un lieu d'exposition.

Les étudiants ont accès à la cafétéria de l'école ouverte de 8 H à 18 H et au restaurant universitaire ( sur le campus de l'université de Versailles-Saint Quentin ).

L'Admission en résidence universitaire leur est ouverte (dossier au CROUS) possibilité de chambre chez l'habitant.

La bibliothèque réunit 12000 ouvrages dont 600 anciens (XVIII<sup>e</sup> et XIX siècle), 360 périodiques, vidéo-thèque, CD-ROM, diathèques et une cartothèque de 2500 cartes, plans et photographies aériennes

L'École édite une revue eaV, enseignement architecture ville renseignements et abonnements eaV la revue:

BP 674 , 78006 VERSAILLES CEDEX.

E-mail eav-larevue@versailles.archi. fr.

**2. LE GRAI**, Groupe de recherche architecture et infrastructure.

Directeur scientifique Claude Prélorenzo

Le programme de recherche regroupe les axes suivants:

A - Effets des infrastructures

B - Pensées des infrastructures

C - L'art de l'architecture, l'art de l'ingénieur.

#### **Etudiants, associations et activités**

Les étudiants participent à la gestion de l'école, 5 étudiants sont élus au conseil d'administration de l'école. Deux délégués sont élus par année d'étude et collaborent à la centrale des étudiants.

Plusieurs associations d'étudiants ont été créées:

Le B D E (bureau des étudiants ) organise des conférences, des visites, des voyages, des projections de films. Le B D E gère une coopérative et participe aux salons et forums qui présentent l'école . Le site web du B D E est: bdeav@yahoo.com

Les autres associations sont:

- Association sportive.
- Architectonique (emploi, job )
- Architecte de l'école de Versailles
- A E V (anciens élèves)
- Racine - anciens élèves du C E A
- A jardin historique
- Etrésillons - élèves de la formation continue réhabilitation

#### **Administration et enseignants**

L'école regroupe 40 enseignants contractuels et titulaires et plus de 50 enseignants à temps partiel auxquels s'ajoutent les professeurs associés et les professeurs invités qui participent aux séminaires intensifs de projet.

Président du conseil d'Administration  
David MANGIN

Directeur

Olivier BROCHARD

Secrétaire de la coordination pédagogique

Michel DENES

■

## École d'Architecture de Lille

2 rue verte 59650 Villeneuve d'Ascq – France  
 tel. : +33 (0)3 20 61 95 50  
 fax : + 33 (0)3 20 61 95 51  
 site web : www.lille.archi.fr

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

Lille School of Architecture directs all its energies to improving constantly the quality of its programme.

This aim is sustained by the will to put the architectural and urban studio at the very heart of the courses of each student. At the same time, we take care to ensure the students a good level of knowledge in all the subjects that fills out the project:

construction, history and theory, plastic arts, urbanism, social sciences, environment and

Our second aim is to prepare architects for all the professions his training allows him to embrace, as a practitioner of space and design. The diversification of these professions is reflected in the various themes of the 4th and 5th year studios and seminars.

Established in 1968, Lille School of Architecture attaches the greatest importance to the reception and the management of the students. The school exchanges students with more than 20 schools from all over Europe and, as a small structure, we offer a personal attention to each of these students. The students have an easy access to the 100 computers of the school, both PC and Macintosh, and those of the students who are willing to work at night or on week-ends can have an access to the studios. The school houses a joinery studio and a reprography office. Conferences and exhibitions take place at the school all through the year and, in association with the theatre of "La Rose des Vents", our students can profit by reductions on plays and take part in different cultural activities as stage courses.

In May, the school holds its international workshop that brings together around 60 students from 15 countries.

The total enrolment of the school is 750 students (about 150 in the first year and 100 in each other year) and about 100 teachers: 45 full-time and 55 part-time.

#### Degree programme: three levels in Architecture

The programme is divided in three two-years levels:

Each cycle leads to a degree, which is delivered by both French Departments of Education and Culture.

##### 1st CYCLE

2 years

Diplôme de fin de premier cycle = BAC+ 2

##### 2nd CYCLE

2 years

Diplôme de fin de deuxième cycle = BAC + 4

##### 3er CYCLE

2 years

Diplôme par le Gouvernement (DPLG) =BAC +6

#### Post-diplomes, Dess, Dea

Formation continue

The first cycle aims to give the students fundamental knowledge of architectural and urban design.

It represents 1600 hours of courses divided in "modules" and 120 ECTS. Both years programme includes initiation to architecture studio and basic knowledge of the architect: building and construction, history and theory, urbanism, arts and practise.

The second cycle aims to give autonomy regarding means, methods, and design in architectural and urban design.

Studios represents hard work for the students. During the first year of the cycle they assimilate the basic knowledge all the fields of architecture; during the second they can choose a speciality. They choose among different seminars reflecting the diversities of the architectural practice: programmatic, restoration, CAO,

The third cycle is divided in two parts quite different.

The first year of this cycle completes the academic studies with two important parts:

- An intensive architectural and urban design studio: students can choose among five optional themes: Metropolisation, restoration, housing and urban design, public buildings, architecture and territorial development,
- An intensive seminar: again students can choose one of the themes of research of our school: architectural and urban history of the XXth century, design and the ways of design teaching, communication and architectural critics, urban analysis and design.

The second year contains mainly two parts: a professional training of one semester and a TPFE: a personal and final work in which a student has to prove his autonomy and his ability in architectural and urban design.

This third cycle is linked with our partner universities (Paris-la Sorbonne, Lille-1, Lille-3,...).

The diploma, which is delivered at the end of this cycle, is the DPLG

("Diploma delivered by the Government").

In 2004, the degree programme will be organised according "Bologna European Directive": Bachelor (Bac + 3), Master (Bac + 5), Doctorate (Bac + 8).

#### Others diplomas

Lille school of architecture proposes two "post-diplomas" (doctorate level) and takes part in four "DESS or DEA" (current French university doctorates):

Both "post-diplomas" deals with "architecture, heritage and history of the XXth century" and "Urban landscape".

The four others doctorates are "DESS Cities and Project" (Lille 1), "DEA Cities and Territories" (Lille 1), "DEA Aestheticism and Arts practices"(Lille 3), "DEA Cultural Mutations" (Lille 3). The school proposes also a formation for professionals on "Architecture, Territories and Sustainability".

Travels, Conferences, Cultural life  
The school offers many activities as study trips, lectures, exhibitions, ... and Lille is a very pleasant and living city.

But the particular situation of our city of Lille between Paris, London and Brussels provides many opportunities.

One has to know that Lille will be, with Genoa (Italy), the Cultural European Capital in 2004.

#### Locale

Located near the Belgium border and the port of Calais, Lille is at the crossroads of several European capitals. Lille is one hour by TGV from Paris and Brussels, and two hours by Eurostar from London. As the fourth largest French City, Lille enjoys an intense cultural life. The Opera, the National Orchestra of Lille, the numerous theatres, make Lille the attractive city it is to its dwellers and to its 100 000 students.

#### Academic notes and Exchanges

The school can offer language support all through the semester or the academic year. The students who have not the required language level to attend courses in French may choose the bilingual studio. The school can provide the students who wish to stay more than one semester with training.

Exchanges dates: Late September to late January and/or February to June.

#### Cafeteria

A large choice of snacks and sandwiches are available in the cafeteria of the school, which is managed by students. This place is caricaturised by a very friendly and lively atmosphere and parties take place here. It is also possible for the students to buy fixed-rate meal tickets in all university-run restaurants, on campus near the school or in town.

#### Admissions

European students, who wish to enrol for the complete 6 years degree programme or for a complete 2 years cycle, and who have passed a diploma recognized as equivalent to french baccalaureat, have to passed three tests and an interview with two teachers in May, as the french students.

They may also ask for an admission form for foreign students to the French embassy of their own country in January.

#### Admission fees

First cycle: 137 euro  
2d and 3d cycles: 265 euro.

#### Administration and staff

President of the Board of Administration:

Philippe Legros, Architect,  
Teacher

Director:

Bernard Welcomme  
e-mail: welcomme@lille.archi.fr

Assistant Director:

Marnix Bonnike  
e-mail: m-bonnike@lille.archi.fr

Academic regulations:

Brigitte D'hau Decuypere, Sylvie Savels, Françoise Ramshaw  
(Admission)

e-mail: f-ramshaw@lille.archi.fr

International Relations :

Florence Lerouge  
e-mail: f-lerouge@lille.archi.fr

Research department: Architecture, Ville et Histoire,

Philippe Louguet,  
Conception et Enseignement de la Conception:

Frank Vermandel

Library:

Claude Aparisi, Maryse Dubus,  
Documentalistes

Informatics :

Jean-Pierre Decoster

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# FH Bochum University of Applied Sciences (Fachhochschule)

## International School of Architecture

### Faculty of Architecture

Lennerhofstrasse 140

D 44801 Bochum

Tel. : (49)234-32-10100

Fax : (49)234-32-14221

http : //www.fh-bochum.de/fb1

Email : architektur@fh-bochum.de

Application deadline : April

Tuition and fees : none



## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
Dipl.-Ing. Architekt	Diplom-Ingenieur (FH)	4	Chamber of architects EEC (85/384/EWG)	Abitur or equivalent 3 month practise	600	100%
Master of Architecture Architecture Media Management	M.Arch.	1	in preparation	Diplom TU/FH Bachelor (Hons)	starts in Oct. 2001	

### Architecture in the German Academic System

Germany has three types of architectural schools:

- **Universität** (university) and university of technology with 5 years education,
- **Kunsthochschule** (college of art) with 5 years duration,
- **Fachhochschule** (university of applied sciences) with 4 years education.

The degree is Diplom-Ingenieur (Diploma in Engineering), which is recognised in the EEC (85/384/EWG) as a professional degree for getting accredited by the regional registers of architects (Architektenkammern) after 2 years of practice for a license as architect without any further examination.

The difference between the three kinds of schools is:

- universities have a more scientific approach, their diploma is equivalent to a masters degree and allow to doctoral studies and phd
- kunsthochschulen have a more artistic approach - their diplomas are also equivalent to a masters degree
- fachhochschulen (univ. of appl. sciences) have a more practical and constructive approach - the diploma is equivalent to a bachelor of honours - the basis for a further master study or „diploma II“, which is offered by some universities.

### Location Bochum

Bochum is situated in the western part of Germany, the most densely populated area called Ruhrgebiet - a megalopolis of about 10 cities (Bochum, Essen, Dortmund, Duis-

burg, Gelsenkirchen, Hamm, Hagen, Herne, Recklinghausen, Witten) with about 5 million people living there. There are 4 universities and about 10 fachhochschulen (univ. of appl. sciences) in the Ruhrgebiet, 5 alone in Bochum. The Fachhochschule Bochum (FH Bochum) with 5000 enrolled students is situated on the campus of the Ruhr-Universität, with 35000 students.

### Bochum-Profile:

**Faculties and Facilities at FH Bochum**  
The Faculty of Architecture is one of 6 faculties:

- 1 architecture
- 2 civil engineering
- 3 surveying and geo-informatics
- 4 electrical engineering
- 5 mechanical engineering
- 6 economy

Especially the faculties 1,2 and 3 work together and are using synergy-effects, e.g. laboratories, teaching facilities and form a *center of competence* in architecture and building technology.

This configuration is unique among the universities in our area and a good base for having a focusing function in case of exhibitions, lectures, product presentation of the local building industry. One of the most important building-fairs, the DEUBAU, is situated in the Ruhrgebiet.

### Architectural Museum

Even if most of the people don't know, the Ruhrgebiet is a kind of architectural museum, beginning with the first examples of industrial architecture for the mining- and steel-industry (Malakow-towers) to art-

nouveaux buildings by Henry van de Velde and Peter Behrens (Hagen), to Mies van der Rohe (Krefeld), Alvar Aalto (Essen), Hans Scharoun (Marl, Lünen, Bochum), Gottfried Böhm (Nevinges), Norman Foster (Duisburg, Essen), and many others.

### Educational Concept

Our concept of education is based on intensive training of the *whole range of facilities* from handmade drafting to computer aided design, visualisation and vr-technologies, from conceptual design to construction and economy, from urban and landscape design to renewal of historic buildings. A central part of our teaching philosophy is the training of *team-working-methods*, developed by working in design-studios, provided inside the university. Every student (we have about 600, 80 new every year, starting end of september) will get a place in the design-studio and one of the first design-studies is the design of a personal tool-container for storing his/her personal drawing tools underneath the table.

### Blue-Box

One of our great advantages is the facility of space: a huge box, built in the sixties as a dining hall, which our faculty could get in the year 2000, 35 years after it was designed by Bruno Lambert, a well known architect of that time (still alive, still practising - even in the age of 80!).

The *Blue Box* got its name from blue-colored facade-panels, which were built in after having demolished the original glass-facade.

Very interesting for architects: the box has nearly the same size as Mies van der Rohe's famous *Ilt-Crown-Hall*



in Chicago and a very similar concept: the upper storey is used as a huge design studio for several courses, the lower level for library, woodshop, and other facilities. For first-year-students it is the ideal place for working, studying, communication, also for second, third and fourth years. For elder students there are several other facilities, mostly organised by groups of students, such as „Halle 8“, a re used loft-likehall in a former industrial estate in the center of Bochum.

**Staff**

14 professors, most of them licensed architects, 9 teaching assistants, 9 people working in laboratories, photo-studio, audio-visual-studio, and wood-shop. We also have a inhouse-library and a center of audiovisual studies and audiovisual production. 600 students (50 percent female, 80 first- year-students). At the moment we have students from 20 countries, mostly of Europe and Asia, but also from South America and the USA. At the moment lectures are given in German, but we will install lectures in English, when it is necessary.

**Curriculum - Undergraduate/ Graduate**

The curriculum is based on a full-time study with about 25 hours of lectures and seminars per week, with an „undergraduate-phase“ of 3 semesters („pre-diploma“/Vordiplom), another 5 semesters „graduatephase“ including a 12-week-diploma-thesis („Diplomarbeit“).

Unlike in other countries it is possible and sometimes necessary to study one or two semesters more, because many of our students use one or two days a week to work in an architects office to get contact to the practise (and to earn some money). Semester 5 includes alternately a 12-weeks-practical phase - used by our students to work in architects offices in Bochum or the Ruhrgebiet, but also in other cities (Hamburg, Berlin, Munich, Rotterdam, Paris, New York or Sydney) or an out-of-the-borders-academic-phase, studying for one semester e.g. in Nantes, Madrid, Milano, Thessaloniki, Istanbul, New York or even New Zealand.

We also appreciate students from abroad to come to Bochum and study for one semester, one year or even longer - in Germany studying is free (without any fees).

We have introduced the ECTS-System for getting recognition of courses - even if architects work can mostly be judged without ECTS-credit-points.

**Master-program**

At the moment we prepare three master-programs:

- urban studies (esp. Ruhrgebiet)
- design („international class“)
- architecture media management

Architecture Media Management inherits methods, tools and experience in architectural visualisation (e.g. 3D-Max, Lightscape) and interaction of 3D-worlds e.g. in VRML over the internet, but also training to work with words and layout and the principles of architectural press and media, with publications of the building industry, with media agencies.

**Research**

We have different fields of research in our faculty - such as finding new construction methods, developing design studies for new office- or living-types, partly together with the industry to urban studies and analytical methods in surveying historical buildings especially in the Ruhrgebiet.

One of our, even internationally, mostly recognised fields of research is VR - virtual reality, especially combining CAD (computer aided design) and VR-worlds with photography - mainly panoramic photographs. The results were presented at international conferences in Glasgow, Sydney and Rio de Janeiro - as a contribution to academic-CAAD-organisations such as ECAADE (Europe), CAADRIA (Asia), SIGRADI (South America), ACADIA (USA/ Canada)

**International Relations + Connections**

We have strong connections to the Ecole d'Architecture in Nantes/ France, to the Hogeschool in Tilburg/ NL, to the Politecnico di Milano and the University of Prague. But we are also open to any other school of architecture in the world - and we are happy, that our students are eager to find new ways and new

contacts - from taking one-year-abroad in Venezuela or in New Zealand to finding ways to make their master-studies in London, Chicago or Paris.

**Lecture Series**

Over the past decade we organised a series of lectures from famous architects and engineers such as Daniel Libeskind, Luigi Snozzi, Peter Rice, Rob Krier, MRVDV, Future Systems, Günther Behnisch, Hans Kollhoff, Werner Sobek

**Excursions**

One of the most intensive social and educational phases you can see on excursions to certain cities such as Rome, Florence, Paris, Berlin, Chicago, New York or Areas like Ticino or Toscana. This means time to study modern or ancient architecture, to have time not only to take quick photographic pictures, but also sketches and handdrawn studies of proportions, materials, light, structure, urban sceneries. Sometimes it is just interesting to see famous architectural objects, well known from several international magazines, photographed by highly sophisticated photo-artists, with your own eyes, see the surrounding, the changing impression on different lighting-situations . . . getting a personal relation to the visited building and its surrounding.

**Contact**

To get in contact please visit our web-site, where you can find any information, even our new 32-pages-prospectus as pdf-file (you can also order it from our faculty as a brochure). It is also a good idea just to come along when you visit Germany or when you are travelling around between Paris, Brussels, Rotterdam or Berlin - the Ruhrgebiet is worth a visit and Bochum is worth studying a year or more - or just for a few weeks in an exchange program or a summer school.

# Technical Universität Dresden

## Faculty of Architecture

Mommsenstrasse 13  
D-01062  
Tel. : 49/351 4634626  
Fax : 49/351 46342789

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Number of students admitted
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#### General Information

The Faculty of Architecture of the Technical University of Dresden was established in 1994 deriving from the royal-saxon polytechnicum (since 1875) and following institutions. The full time staff consists of 24 professors, 3 lecturers, 45 scientific and 30 technical assistants. Supported by the part time staff they work in teaching and research in the fields of architecture, landscape architecture, city planning and regional planning.

#### Facilities

The Faculty of Architecture of the TU Dresden is situated in one of the modern buildings of the university quarter near the city center of Dresden.

Dresden is an 800 year old city, famous for its culture (Richard Wagner) and architecture (Semper-opera, Zwinger). Many castles rising from the slopes of the river Elbe are reminding of an old glamorous past.

#### Educational program

The wide range of the teaching and research profile of the Faculty of Architecture results from the different tasks for the institutes orientated on basic elements on one hand and design on the other hand. Even though the object of research for both of them is to be found in building, space and landscape the results are very different.

Basic elements of the education of the architecture students lie in the fields of history and theory, based on history in architecture, theory of architecture and architectural preservation, techniques, based on building climatics (low-energy-buildings, thermic reconstruction) and construction systems and design and lay out, dealing with questions of esthetics and visual perception of colour and space.

Emphasis of the design institutes lies in the in the development of new buildings forms and design methods. The revaluation of housing quarters and industry branches are as important as the use of new findings of the environmental and social psychology. Similar the work of the institutes of city and regional planning and landscape architecture consists of varying tasks. It reaches from a reactivation and development of inter-municipal redevelopment areas over possibilities for intercomunual co-operations and new planning's for the regional development of landscape planing methods for recording for the regional development in the rural area to the development of landscape planing methods for recording and valuation of qualities of the culture landscape at the river Elbe around Dresden.

Interdisciplinary studies are for example the research project of the institutes of city and regional planning „Lasting regional planning“ and the topic „Heat-, Air and Moisture Transfer in New and Retro fitted Insulated Envelope Parts“ which is a co-operative project of 12 European Universities.

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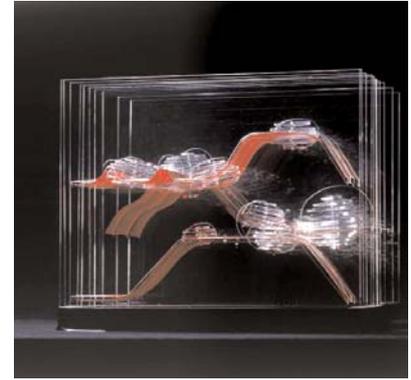


# University of Wuppertal

## Faculty of Architecture

Pauluskirchstrasse 7  
42285 Wuppertal  
Germany  
Tel. : +49 (0) 202 / 439 - 4075  
Fax : +49 (0) 202 / 439 - 4045  
E-mail : arranz@uni-wuppertal.de  
Homepage: www.arch.uni-wuppertal.de

Application deadline: Spring



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture	past: Dipl.-Ing. Architecture I + II Future: BA.arch. MA. Arch	8 + 2 Semester	Hochschulgesetz NRW arch. entrance exam	allg. Hochschulreife or equivalent +	100 per year (800-1000 total)

### General Information

The University of Wuppertal has its origins in the "Royal Prussian School of Building", founded in 1897. In 1972 the renamed "School of Civil Engineering" was incorporated into the new university or Gesamthochschule which, with its broad range of technical, arts and humanities and social science faculties, quickly established itself in the German university landscape. Within the current university reform – and specifically the discussion about the introduction of new BA and MA degrees – the University of Wuppertal has recently embarked on interdisciplinary teaching and research. Five "Centers of Innovation" will weld widely differing faculties into cohesive and purposeful working bodies, in which new interdisciplinary perspectives will also be developed for training architects.

The new structures will involve close cooperation with the Faculty of Civil Engineering, whose work on project management and fire-protection enjoys a high reputation. The year 2002 already saw close links established between the Faculty of Architecture and that of Design and Communication, promising valuable synergies, ranging from shared use of numerous individual resources – workshops, computer pools, offices etc. – through bilateral exchange of teaching modules, to collaboration on research projects and joint supervision of doctoral theses. Thus academic training in Wuppertal employs a wide range of multimedia applications – from Internet presentations and the creation of visuals to specialist IT construction technology. State-of-the-art digital technology blends in this way with the Faculty's

long tradition as a School of Architecture to provide an inspiring and modern environment for more than 800 students.

Wuppertal is favorably situated in the North-Rhine Westphalian heartland, with good road and rail links to Berlin, Frankfurt and the Netherlands. Close to Cologne and the densely populated Ruhr area, the city lies at the center of a dynamic cultural region of over 5 million inhabitants. Historically shaped by the mining and steel industries, the post-industrial landscapes of the Ruhr boast numerous great monuments of Machine-Age architecture – "industrial cathedrals" like the Zollverein Mine, whose breathtaking spatial sequences have been listed by UNESCO as a world cultural heritage site. Over the past fifteen years new industries have been settling on the Ruhr, and the International Building Exhibition of 1990 initiated a movement which has brought a number of ambitious buildings from leading European and overseas design bureaus to the derelict industrial spaces and docklands, as well as the extensive green-field sites, of the region.

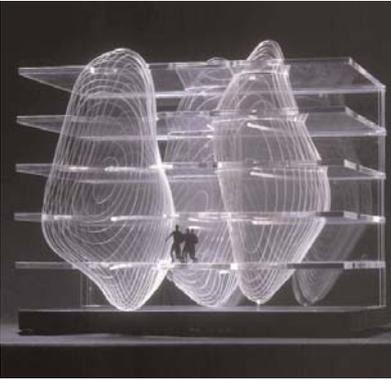
In recent years the Faculty has also made major efforts to internationalize its degree courses while retaining their regional outlook. Thus the Institute for Architectural Theory and History hosts an "International Symposium on Architectural Theory" in the first week of every December – as a platform for discussion of modern architecture this meeting draws participants from across the globe. Our design program also brings student work into regular contact with other universities, and

projects from these classes were presented, among other venues, at this year's Venice Biennale.

The university believes firmly in the value of student and faculty exchanges, as well as joint research projects, and is constantly looking for new cooperations and partnerships alongside the established Socrates and Erasmus programs. We are active members of the recently established CoRAAL network, based in Geneva, whose research program is currently planning various collaborative projects between European universities. As the youngest School of Architecture on the German university scene, we look to attract confident and demanding students who are high achievers, keen to learn and free from prejudice. Architecture at Wuppertal is not stuck in a timeless mindset. We are a small faculty, fresh in outlook, where professors and academic staff are constantly available for consultation.

### Curriculum

Architecture blends science with art, technology and engineering. Architectural training, therefore, must aim to provide a large body of knowledge as a basis for the analysis and conception of complex and technically demanding spatial systems in a manner appropriate to specific historical and social contexts. In addition, it must provide room for individual artistic development, enabling and encouraging independent creative activity. A necessary consequence is that the initial degree course in professional architectural training takes a minimum of eight semesters.



In the design and development of their artifacts, architecture and industrial design place similar requirements, because the creative process in both disciplines is bounded by the demands of function, social and cultural integration, and technical capability. The Wuppertal School of Architecture is committed to active dialog with its engineering colleagues trying to stimulate engineering research by individual creative idea. Nevertheless, it regards the essential architectural synergies as originating in its cooperation with the Faculty of Design and Communication, especially with the Department of Industrial Design.

#### Special Research Areas

**Architectural Recycling and Ecology** concentrates on the issue: How can the negative effects of civilization and changing patterns of settlement be reduced? The deterioration of inner-city building stock is a pressing concern for both urban planners and architects, whose task is increasingly to seek clearly focused architectonic ways of preserving the stock by dedicating it to new and different uses. The impact of technological, functional and artistic parameters on the thinking and activities of architects and designers must be enhanced if higher levels of sustainability – in the aesthetic as well as technical sense – are to be achieved for buildings.

Both architectonic and design qualities are to be understood here in thoroughly classical terms. At every level, from foundation-stone to fittings and furnishings, a project or artifact can only be judged on the basis of values such as beauty (high design quality), solidity and usability (technically sound construction), and environmental compatibility or sustainability (economical employment of resources and building stock). Design quality underpinned by technical competence is the indispensable foundation on which environmentally acceptable building, artifact-design or the recycling of inherited stock must be based.

#### Simulation of Building-Structure

Reactions is concerned with the search for computerized presentations of complex technical processes and reactions, in order to make these accessible to the creative design



process. The aim is to be able to define problem areas by means of easily learnable methods, to initiate FEM calculations or Raytracings, and to present results so that they can be readily interpreted and their plausibility immediately checked. What is at stake here is the immense and largely untapped potentiality of IT for design and construction purposes as such, as well as for reaction and control processes. Growing cooperation with the Department of Product Design promises useful synergies here, in terms not only of specialist knowledge of computer applications geared specifically to production, but also in the development of simulation models of structural and artifact reactions in the design process of buildings and artefacts.

Design and Urban Planning is traditionally understood by civil engineers in functional, technical and economic terms. For architects, however, their specific competence and responsibility lies nevertheless in enhancing these aspects with an aesthetic that will provide formally satisfying design solutions for an urban context. This competence is more than ever necessary in an age of globalization, when the leveling of cities into featureless sameness can only be stemmed with scientifically conceived aesthetic concepts of identity and particularity. The concept of the city, like that of its constituent design elements must be recast. The shallow ahistorical face of city development since 1950 – which now covers most of the settled planet – calls for the systematic "rediscovery of place" as a priority in both research and practice.

Architectural Theory, our fourth special research area, also possesses a unique profile in Wuppertal. In interdisciplinary collaboration with such analogous fields as the history of architecture and the history and theory of design, environmental semiotics, planning methodology, the history of technology and the history and theory of conservation, a wide pool of knowledge is being generated – one that will become increasingly indispensable for our other special research areas, as it will, indeed, for all the faculties of the university with which we closely cooperate. Centered on the Institute for Architectural Theory and History (AGT), this research specialty regularly enlivens

the teaching program with lectures, exhibitions and conferences with related publications.

The research areas listed above, with their corresponding emphases in teaching, are linked together in an interdisciplinary network of complementary, innovative approaches. Architectural recycling, ecology, engineering technology, IT design and urban planning, as well as theory of design and architecture, join forces to create an aesthetic of environmental design that aspires to the highest standards. We see this as a great opportunity as well as challenge for the University of Wuppertal at the international level, with international cooperations taking place on doctoral programs, as well as active participation in bilateral and pan-European research projects. The Wuppertal Institute for Environmental Design (IUG) shall become increasingly important in this context. It was established as a platform for cooperation between the Faculties of Design (FB 5), Architecture (FB 10) and Civil Engineering (FB 11) after the fusion of the former interior design and architectural programs into a single architectural program offering two consecutive degrees. The Institute has taken on the task of fostering our activities. In pursuit of this goal it hosts an annual two-day international architectural symposium, puts on exhibitions and edits academic publications.

#### Studying Architecture in Wuppertal

The MA in architecture aims to open students' minds to specific academic questions, and provides the fundamental knowledge for research tasks. It seeks to attract graduates from many universities. Further qualification opens up avenues beyond the classic profile of the professional architect, and serves in particular as a springboard for doctoral work. The "Wuppertal Model" of an eight-semester BA followed by a two-semester MA has been credited with good development chances.

#### The Doctoral Program

A PhD can be taken in the special research areas listed above, interdisciplinary approaches being particularly sought for and welcome.

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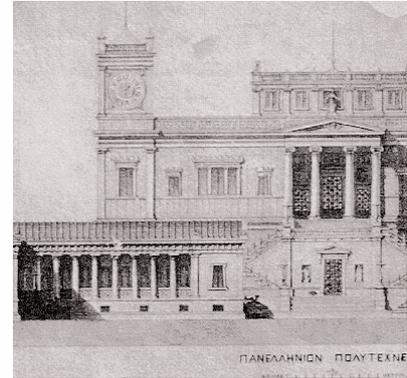
# National Technical University

Ethnikon Metsovion Polytechnion

## Faculty of Architecture

42, Patission str.  
106 80 - Athens, Greece  
Tel. : +30 1 7723881  
Fax : +30 1 7723898  
Email : +hfotiou@central.ntua.gr

Tuition and fees : none



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Number of students admitted
Architecture	Dip.Arch.Eng.	5	Technical Chamber of Greece	National Examinations	120

#### General Information

The National Technical University of Athens, that has the title of 'Ethnikon Metsovion Polytechnion', is the largest and oldest technical university in Greece. It was founded as a Technical School in 1836 and over the 160 years of its operation it underwent a series of transformations until present day.

The Faculty of Architecture, in its present form as an independent faculty, was founded in 1917, and is operating ever since.

Continuing a tradition in the technological studies in Greece originally the curriculum was oriented towards engineering, thus the title of Dip. Arch.Eng. that has remained.

In recent years the curriculum was updated and transformed in a purely architectural faculty following the international trends.

The Faculty of Architecture is the first of the two that operate in Greece. It has approximately 1.000 students, 50% of whom are female, whereas a small minority are regular registered students from foreign countries. On the other hand our faculty and its students are taking part in most european exchange programmes, such as the Erasmus and the Socrates programmes, accepting every year a number of students from european countries and at the same time sending greek students abroad.

#### Educational programme

The faculty is organized in four distinct Departments. This system is purely organizational and it does not reflect the academic curriculum.

Department 1 contains Architectural Design, History of Architecture, Theory of Architecture and History of Art. It is the department that conveys the knowledge and the basic principles of architectural design, with the addition of architectural theory. Students have to take classes of this department from the first semester of their studies through to the last one. Every semester they have to work on at least one design project, with the addition of theoretical and historical knowledge.

Department 2 contains Urban and Regional Planning. This department conveys knowledge in relation to all the planning theories from the historical and the practical point of view. Classes are held with theoretical lectures and physical design projects aimed at the knowledge the basic principles of urban planning and revitalisation, housing policies, organization of public space and generally the analysis of the built environment. Within the contents of this department are classes dealing with the basic principles of regional planning and development.

Department 3 has as its main objective the theoretical and practical approach of the design process of space. As the means to achieve this objective there are classes in Geometric Representation of Space, Computer Aided Design in Architecture, Free Drawing and Painting,

Sculpture and Design of the Architectural Space. Within the activities of this department students enhance their ability to perceive the space and consequently to reform it and design.

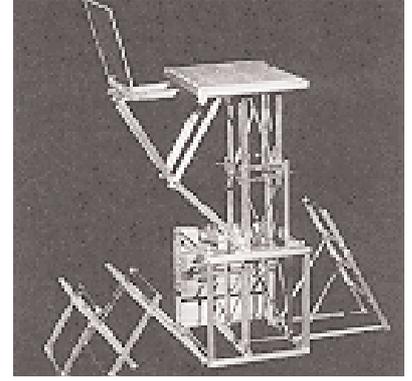
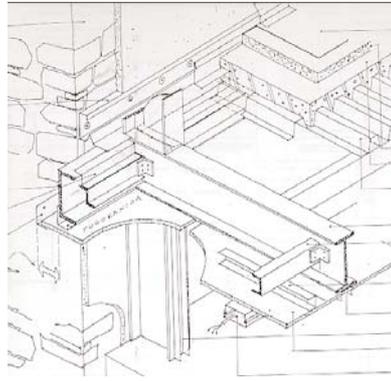
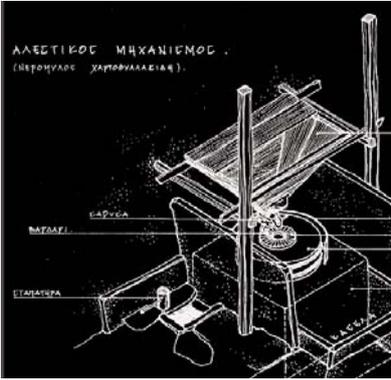
Department 4 has a more technological character. The classes are comprised of Structural Engineering, Technology of Building Materials, Technical Services and Building Construction. The aims of the above classes is to integrate the technological dimension in architectural design.

The application of this part of the studies is through theoretical lectures and projects, either as separate entities, or in conjunction to the design projects of the other departments.

In the first four semesters the choice of electives remains very limited, whereas as the students mature the number of personal preferences and subsequently choices, increases. This philosophy of the curriculum is clearly expressed in the final two semesters, where, as mentioned, the students prepare their written dissertation and finally their final design thesis, with subjects and tutors of their absolute personal choice. A pre-requisite of the final thesis is to have an absolute architectural design character.

Both the dissertation and the final design thesis are presented to the public, and are assessed by juries comprised of professors and external examiners.

The typical organization of the classes in architectural projects, is in small groups of students, with approximately 20 to 25 students



each, under the guidance of one tutor.

#### Post graduate programmes

Until recently the only post graduate programme in the faculty was the individual study of students, leading after at least a three year procedure, under the guidance of a three member academic committee, to a Doctorate Degree, which is equivalent to a PhD. The final examination of the Doctorate is accomplished in the presence of a committee comprised of seven academics.

In September of 1998 the faculty started formally to offer three post graduate programmes, financed by the Ministry of Education.

The first one is dealing with the Restoration of Monuments and Historical Buildings, in conjunction with the Faculty of Chemical Engineering. The second is dealing with all the aspects of Urban and Regional Planning, whereas the third one with Architectural Design and Theory and Technology.

These programmes are organized on a full calendar year duration, with an additional semester for the final dissertation or design thesis.

#### Research programmes

The necessity of the integration of all the aspects of the architectural field, especially the new developments in architectural education, is recognized and desirable within the academic context. Most particularly when research enhances the relation of the architectural trends and the training of students.

Additionally the complexity of the profession requires the input of many other disciplines, a fact that can be realized through research programmes. Recently through financing from the European programmes there is an increase in the collaboration with other universities and even individual academics from research centres.

#### Facilities

The Faculty of Architecture is situated in the centre of Athens, separate from the main University Campus in the northern suburb of Zographos. The faculty is within easy reach by most public transport means, and very close to most cultural activities that are happening in Athens. The

situation of the Faculty of Architecture in the centre of the city, not far from the Acropolis and the Parthenon, was by choice, believing that a lively and historic centre should be part of architectural education.

The main building that houses the faculty studios is a neo-classical building of the second half of the 19th century, whereas the offices are expanding in the adjoining complex of buildings that housed previously the other faculties.

The faculty also has a newly organized architectural library, a CAD studio and a workshop for models.

#### Student activities

There is a student union at the university and most particularly, quite a powerful association of the students of architecture. The students representatives have the right to participate in the decision making of the faculty, especially in matters concerning the curriculum. Depending on the acuteness of the problems students of architecture express their dynamism in various ways.

Apart from the above they are organizing certain activities, mostly cultural, that normally take place in the atrium of the neo-classical building.

Another very interesting activity that is normally organized by the students and supported by the faculty and its members are trips of architectural interest to countries abroad. Thus every year near the easter holiday period, one week is allocated to trips abroad. In that sense the majority of the students have the opportunity to travel, visit countries and places of architectural interest and expose themselves to the international trends of our profession. It is felt that this exposure is very positive and adds to the information that students acquire from the architectural press.

#### Administration and staff

The faculty employs 99 full-time and 4 part-time scientific staff. Of the above staff 55 are architects, 8 historians, 20 architects/planners, 11 artists, 6 structural engineers, 2 mechanical engineers and the remaining of several other disciplines.

#### The present administration of the faculty is the following:

Dean of the Faculty of Architecture

Professor Nikos Kalogeras,  
Dip.Arch.Eng., PhD.

Associate Dean

Ass.Professor Theano Fotiou  
Dip.Arch.Eng.

Director of Department 1

Professor Emmanuel Glyniadakis  
Dip.Arch.Eng.

Director of Department 2

Professor Dimitris Karydis  
Dip.Arch.Eng.,PhD.

Director of Department 3

Ass.Professor Solon Xenopoulos  
Dip.Arch.Eng.

Director of Department 4

Professor Emiliios Koroneos  
Dip.Civ.Eng.,PhD.

Secretary of the Faculty is Mrs  
Marianthi Papageorgiou.

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# Aristotle University of Thessaloniki

## School of Architecture

University Campus  
540 06 Thessaloniki  
Greece  
Tel : +30 31 995595  
Fax : +30 31 995597  
www.auth.auth.gr  
Tuition and fees: All educational institutions in Greece are fee-free



## Degree programmes

Degree	Title	Minimum duration	Accredited of study	Admission requirements	Enrolment
Architecture*	Architect Engineer**	5 years	Technical Chamber of Greece	National Examination System	900
Protection, Conservation and Restoration of Cultural Monuments***		Three semesters		Graduates****	40

\* Awarded by the School of Architecture

\*\* The term 'Engineer' is attached to the word 'Architect' following the Continental model and the title is similar to the German Dip.Ing, for reasons of equity of rights with all other fellow engineers.

\*\*\* Interdepartmental Degree awarded by the Faculty of Engineering.

\*\*\*\* From Architecture, Structural, Civil, Electrical and Mechanical Engineering, Surveying, Archeology, Art History, Chemistry and Fine Arts.

## General information

Aristotle University of Thessaloniki, the largest university in Greece with 41 departments and more than 60 000 students, was legislated in 1925. The 'Technical' part of the University to which the School of Architecture belongs, started its operation in 1955 with the School of Civil Engineering and was followed by the School of Architecture which was founded in 1957. The objectives of the School of Architecture are Integral Education and Freedom of Education. Integral Education is ensured with the unity of firstly, Architectural Design and Spatial Planning, secondly, Design Planning and Regeneration, and thirdly, Theory and Practice. Honorary degrees have been awarded to Mario Botta, Roberto di Stefano, Aristomenis Provellegios and Nikos Valsamakis. The School of Architecture is one of the largest schools of the university; it has approximately 900 students 50% of whom are female. Formal collaboration with universities and institutes worldwide at the level of teaching and research has been established in the past ten years. The School participates in European programmes. Socrates exchanges have been contracted with Austria, the Czech Republic, Germany, France, Finland, Portugal, Romania, Spain and the UK.

## Facilities

The School of Architecture is situated on the University Campus, which is attached to the city center.

Thessaloniki has a continuous history of 3000 years and for some historians over 8000 years. It was the second largest city during the Byzantine Empire and played a crucial role during the Ottoman Empire. Thessaloniki is exceptional not only historically but also geographically due to its positioning in the Balkans, and morphologically due to its construction between the mountains and the sea on the North-to-South axis and its expansion across the coastline of a prosperous harbor on the East-to-West axis. Thessaloniki was the 'Cultural Capital of Europe' in 1997. Thessaloniki has an international airport and plays a central role in the Balkans. After a big fire in 1917, which destroyed large parts of the city, a committee was appointed to create a master plan, which would include a purpose-built university campus. The committee was led by the French architect-urbanist Ernest Hébrard. The School of Architecture houses all the facilities needed for teaching and research. It allows 24-hour access to its studios, and has a library with numerous titles and subscriptions to periodicals. The School is equipped with CAD facilities and shares laboratories with the schools of structural engineering, surveying and geotechnics.

## Educational programme

A course of study in architecture takes at least 5 years, but usually 5 1/2-6 years on average. Graduates are awarded a Diploma in Architecture and are given the title of 'Architect Engineer'.

The degree awarded (or any equivalent degree approved by the Interdisciplinary Centre for Recognition of Degrees from Abroad) as a prerequisite (alongside the successful examinations a graduate takes at the Technical Chamber) ensures registration with the Technical Chamber, and the graduate becomes in effect a registered architect. As fundamental principle of the programme of studies, the unity of architectural studies is understood as the synthesis of architectural education at all scales of space and in all spectrum of design planning and regeneration. The studies in the School cover, in that sense, all areas of architectural and urban design, urban and regional planning, landscape and environmental design, conservation and restoration.

## Educational Programmes

*I. The structure of the programme*  
The Programme of Studies, in its entirety, is a continuous five-year programme, which leads to an integral degree. The initial cycle establishes the unity of studies, the last cycle completes it. The in-between cycle, the Programme of Basic Studies, does not therefore constitute an independent programme. In the ten semesters of study all three programmes are covered. The first two semesters are covered with the Introduction Programme, the six that follow with the Programme of Basis Studies, and the last two with the Graduate Programme.



### Studio Programmes

There are four studio programmes in which design planning practices are distinguished and interrelated as follows:

Dwelling – I

- Buildings Design

Dwelling – II

- Conservation and Restoration,

Habitat – I

- Urban Design, and Landscape Architecture

Habitat – II

- Urban Planning and Spatial Development

### General Programme

Complementary to the studio programmes is the General Programme, the aim of which is to develop theory, representations and discourses, which cover the entirety of the studio programmes. The objectives of the General Programme are: a) the connection between the design practice attestations and the general theories, their integration with the historic context of the arts, architecture and urbanism, and their connection to contributing sciences b) the specialised development of the necessary for architectural studies representations and discourses.

### II. Time Organisation

The general aim of the Programme of Studies is the round development of the compositional ability in the content of the unity of the programme and in the spirit of the unity between theory and design planning. For the fulfillment of this aim the studios are classified into broad but educationally coherent areas of design and planning practice. In every one of the cycles of the programme all areas of its structure contribute. This general direction follows the principles of unity of study and unity of theory and design. The specialisations by cycle are the following:

A. Introduction Programme

B. Programme of Basic Studies

The Programme of Basic Studies consists of the two sub-programmes:

- the Studio Programme of Basic Studies and
- the General Programme of Basic Studies.

C. Programme of Graduate Studies

The Programme includes the Graduate Studios and the Graduate Dissertations with the following content and directions:

Graduate studios

- Architectural and Urban Design.

- Urban Design and Planning.

The two parts of the graduate programme are compulsory.

Graduate Projects

- Research Dissertation

- Diploma Thesis

The research dissertation is theoretical, the Diploma Thesis is a design-planning project.

### III. Articulation and Pedagogy Thematic Areas

The analytical context for the articulation of the particular programmes is the following division of the taught material into thematic areas:

- Design
- Building Design, Conservation, Restoration
- Urban Design, Landscape Design, Town Planning, Regional Planning, Spatial Development.

### Theory

Theories of Architecture, Theories of Planning, Design Theories, History of Architecture, History of the City and Planning History, History of Art, Human Sciences, Institutions and Law.

### Technology

Construction, Building Technology, Working Drawing, Structural Engineering, Services, Surveying. Representations and discourses Fine Arts, Mathematics, Informatics, Representations of Space.

### The typology of the studios

There are three types of studios which differ in the relationship between teacher and student, the knowledge-base prerequisites and their aim.

Studios of direct tuition:

They are the studios of the Introduction Programme and some of the studios of the Programme of Basic Studies. These studios, starting from their particular subject, cultivate a general aptitude of students to compose as designers.

Studios of indirect tuition:

These are the remaining studios of the Programme of Basic Studies. They presuppose an elementary ability to design, focusing on their particular areas of interest.

Graduate studios:

The compositional ability of the students to deal with the two design scales; from the integration of levels in design-planning and the integration of scales in design, is completed with these studios.

All subjects are lectured and examined in Greek. Lectures may also be given in English, French, Italian and German. The course duration is three semesters including at least three months for a diploma project. Postgraduate studies by research Doctorates are undertaken by the School and in cooperation with other Schools.

### Student activities

The student association has as members all students in the School and their elected representatives are actively involved in matters regarding the curriculum and other matters on the effective function of the School. Administration and staff  
The School employs 86 full-time, 8 part-time members and 18 teachers deliver modules from the Departments of Structural and Mechanical Engineering, Surveying, Fine Arts and Languages. The School, like any other Higher Education Institution in Greece, is administered by the Senate, the Chancellery Council and the Chancellor. The General Assembly, the Deanery and the Dean administer every School. The General Assembly, the Council and the President administer every Faculty. Finally, the General Assembly and the Chair administer every section.

The President of the School of Architecture is elected by all teaching staff every two years and the Chairs of every section are elected by the staff members that belong to the respective section on an annual basis.

■

## School of Architecture University College Dublin

Rich view  
Clonskeagh, Dublin 14  
Tel. : 353 1 7062757  
Fax. : 353 1 2837778  
Email : patricia.oloan@ucd.ie

Application Information from the Admissions Office, University College Dublin,  
Michael Tierney Building, Belfield, Dublin 4.  
Tel. : 353 1 2693244  
Fax. : 353 1 7061070  
Email : admissions@ucd.ie

### Degree programmes

Degree Title	Minimum duration of study	Enrolment	Entry
Bachelor of Architecture	5 years	1st cycle 3 years* 2nd cycle 2 years Total number	55 students 50 students 250
* The intermediate BSc. degree is awarded after 3 years			
Master of Architectural Science	1 year (by research)		
Master of Urban and Building Conservation	1 year full-time /2 years part-time		
M.Sc. (Urban Design)	1 year fulltime /2 years part-time (jointly with Planning Department)		
Master of Architecture	1 year fulltime /2 years part-time		
Ph.D	3 years by research		

The Bachelor of Architecture degree is accredited by the Royal Institute of the Architects of Ireland, the Royal Institute of British Architects and is listed in the European Directive.

### General Information

The School of Architecture at University College Dublin was established in 1911, and was one of the earliest departments of the university. University College Dublin is located outside the city centre, and is the largest university in Ireland with over 19,000 students. The School of Architecture is on a separate campus adjoining the main university complex, and shares its campus with the Departments of Regional and Urban Planning and Environmental Studies, providing a unique concentration of environmental design and research expertise. All three departments are part of the Faculty of Engineering and Architecture, one of the largest faculties in UCD. The School is a closely knit community devoted to the exploration of architecture through design and scholarship. The School's standing is a reflection both of the built work of the architects teaching in the School, which continues to attract international critical attention, and of its research activities.

### Facilities

Each year of the undergraduate programme has its own studio, and

the postgraduate programmes in conservation and urban design also have their own studios. There is a large Building Laboratory, equipped with the means for demonstrating building crafts and for student model-making. Computers are provided in the studios and in special computer rooms. The library, which has an extensive collection of books and journals, is shared with the Planning and Environmental Studies departments. The School has the use of large spaces for exhibitions, which are also used for lectures and public seminars. It has a photographic studio, darkroom, print room, student supplies shop, cafeteria and common room.

### Educational programmes

The undergraduate programme in architecture is fully accredited by the Irish and British Institutes of Architects, and the Bachelor of Architecture degree is listed in the Architects' Directive of the EU. The five-year programme leading to the professional degree of B. Arch. is divided into two parts. The first three years are intended to encourage students to develop the intellectual and physical skills which will enable them

to research conditions of everyday life in society, to understand and appreciate the culture of architecture and to design fitting environments which meet spiritual and practical requirements. Students who successfully complete the third year are awarded the intermediate degree of Bachelor of Science in architectural studies. The fourth and fifth years are structured to enable students to deepen their study of architecture and to develop their own approach to the design of built environments. The School is especially strong in its approach to design. The programmes offer a balance between openness and intellectual rigour, between conceptual strength and a concern for environment and materials. The studios aim to be dynamic and collaborative laboratories, with staff and students committed to learning and the expression and testing of ideas.

The undergraduate programme is strongly design-orientated, and seeks to encourage.

### Postgraduate programmes

Postgraduate programmes fall into three categories: advanced study of specialisations within the field of built environment design through taught Masters programmes, research programmes at Masters and Doctoral level, and professionally-oriented programmes in professional practice and project management.

The taught Masters programmes cover three areas: urban and building conservation, urban design, which is taught jointly with the Department of Regional and Urban Planning, and Building Project Management. In all cases, much of the teaching is done by distinguished practitioners.

The courses combine theoretical studies with practical project work, and require the completion of a dissertation.

### Research

Research in the School of Architecture has a development history extending over the past twenty years. It has made a real contribution to architecture and the built environment in Ireland and in Europe, through its work in the area of energy applications in buildings, conservation of buildings and urban areas, and the history and theory of architecture, urbanism and landscapes. Today it comprises research projects won in international competition, commissioned research - projects and research programmes at Masters and Ph.D. levels.

The School's research infrastructure of library, studios, and building laboratory and progressively enhanced computer suites, enable it to compete successfully both nationally and on the international stage.

The principal areas of research are in energy applications in buildings, historical and theoretical studies, conservation of buildings and towns, urban studies and computer studies. Research in these areas has been supported by national and international sources, and continues to irrigate teaching at undergraduate and postgraduate levels.

In the area of energy applications, the School has an international standing in the area of climate-sensitive design, and, through the Energy Research Group, continues to lead and participate in a wide range of research activities with EU and national support. For over ten years, it has engaged in study of Irish and European urbanism and landscape, through research programmes at Masters and Doctoral levels.

Its involvement in building and urban conservation includes research and taught Masters degrees, commissioned research projects in urban analysis and building recording, and the investigation of historic building materials. The School has also conducted research at Masters level in the area of computer applications in design and architectural education.

### Staff

The School has a small core of seven academic full-time staff, devoted to teaching, research and administration, two administrative and three technical staff, and about thirty part-time staff. To ensure that its programmes are constantly renewed, most of the teaching staff on both undergraduate and postgraduate programmes are part-time, and are drawn from architectural practice, from other professional disciplines related to the programmes, and from related academic areas. The various research programmes also employ staff on annual contracts. The policy of the School is to encourage the involvement in teaching, of young architects who are doing work of high quality, and who show a commitment to critical practice.

The School also has an established tradition of inviting architects from outside the country, to contribute through juries and lectures. Over the years visitors have included Kenneth Frampton, Ed Jones, Enric Miralles, Eric Perry, Peter Salter, James Stirling, Billy Tsien, Wilfrid Wang

### Academic Staff

Head of School

Professor Loughlin Kealy  
Energy in buildings

Professor J. Owen Lewis

Environmental science

Profesor Dermot O'Connell

History and theory

Dr. Hugh Campbell

Urban design

Philip Geoghegan

Building performance/ simulation

Paul Kenny

History and theory/ landscape

Dr. Finola O'Kane

History and theory/ access

Dr. John Olley

### Studio Staff

Paul Arnold (conservation),  
Wendy Barrett (design),  
Gary Boyd (design and History),  
Chris Boyle (design),  
Gerry Cahill (design),  
Rachel Chidlow (design),  
Frank Cooney (technology),  
Peter Cody (design),  
Tom dePaor (design),  
Will Dimond (technology),  
Marcus Donaghy (design and technology),  
Tiano Faria (design),  
Yvonne Farrell (design),  
Bill Hastings (design),  
Grainne Hassett (design),  
Martin Henschion (design and technology),  
Michael Kelly (technology),  
Mary Laheen (design and technology),  
Fiona McDonald (design),  
David McHugh (technology),  
Orla McKeever (design and technology),  
Shelley McNamara (design),  
Laura Mays (technology),  
Conor Moloney (design),  
Jim Murphy (design),  
Orla Murphy (design),  
Eoin O'Cofaigh (professional studies),  
Shiela O'Donnell (design),  
Marco Palmieri (Technology),  
John Parker (technology),  
Patrick Power (technology),  
Raymond Ryan (design and criticism),  
Emmet Scanlon (design),  
Margaret Stephenson (design),  
Peter Tansey (design),  
John Tuomey (design),  
Simon Walker (design and technology),  
Kevin Woods (design).

## School of Architecture, Dublin

### Dublin Institute of Technology

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Fax. : + 353 1 402 3999

Application Information from: Aileen Mullane, School of Architecture, Dublin  
Institute of Technology, Bolton Street, Dublin 1, Ireland

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Fax. : + 353 1 402 3989  
E-mail : Aileen.Mullane@dit.ie

### Degree programmes

Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	Full-time students
Bachelor of Architecture	5 years	By R.I.A.I			250
Diploma in Architectural Technology	3 years				140

The Bachelor of Architecture degree is accredited by the Royal Institute of the Architects of Ireland is listed in the European Directive.

### General information

The School of Architecture at Bolton Street was founded in 1939 as part of the city of Dublin's Vocational Educational Committee. During its early years it grew from a three year course in architecture to a five year diploma which was ultimately recognised by the professional body of the Royal Institute of Architect's of Ireland and under the European Directive. In 1992 the School of Architecture along with the entire college at Bolton Street became part of the Dublin Institute of Technology.

Graduates of the architecture programme up to and including 1998 were awarded a Diploma in Architecture from the Dublin Institute of Technology and a Bachelor of Architectural Science from the University of Dublin, Trinity College. In 1998 the Dublin Institute of Technology was granted its own degree awarding powers and consequently all graduates who have entered the programme since that date will now be awarded a Bachelor of Architecture from D.I.T..

The Degree programme in Architecture is a five-year undergraduate programme with 250 students approximately spread equally across the five years.

The programme is delivered by 24 full-time staff backed up by a cohort of 35 part-time teachers and visiting lecturers.

The School is situated in the Faculty of the Built Environment which also contains a School of Construction Trades and apprentice training. Consequently the architectural students receive their education alongside training programmes designed for other practitioners of the building industry.

Because of its origins, and as a result of its relationship with construction trades and technology, the education policy of the school is to provide a strong relationship between the philosophy and theory of architecture, and the practicalities of design and construction, with a primary emphasis on educating architects to engage in the professional practice of architecture.

There is a strong policy of full integration between the design studios; the technical aspects of building construction and building design, and the academic subjects that inform the architectural student of theoretical scientific and environmental issues. The quality of the environment and the sustainability of designs form part of this philosophy.

### Other Courses

In addition to the five-year undergraduate Degree programme in Architecture the school also offers the following courses:-

A three year Diploma course in Architectural Technology, educating architectural technologists to work in the building industry side by side

with their architectural colleagues and other professionals.

A two year part-time Certificate course in Design Studies providing a central core module in design theory with eight separate modules in different design disciplines. These modules are Architectural Design, Interior Design, Graphic Design, Vehicle Design, Environmental Design, Landscape Design, Produce Design and Engineering Design.

This course is attended by both aspiring students to architecture and other design disciplines, and mature students who wish to broaden their base of knowledge in different design areas.

### Selection Procedure

Each year approximately 1000 students apply for the 50 places in the first year of the architecture degree programme. In order to select the appropriate students for the course a three strand system of evaluation is employed. All students applying are invited to sit a suitability test, which has been specifically designed to measure potential creativity, spatial reasoning, maturity and commitment. The top one third students sitting this test are then invited to interview during which they may present portfolios of work. The results of the suitability test, the interview and their second level academic achievements are combined to make the final selection.

### Links With Other Schools

A number of exchange programmes exist both by private agreement between schools and through the Socrates and Leonardo programmes. At present the school has staff and student exchanges between the following schools of architecture:

U.S.A. – University of Lincoln, Nebraska  
 South America – University of Los Andes, Bogota, Colombia  
 Sweden – School of Architecture, Lund  
 Germany – School of Architecture, Aachen  
 France – Ecole d'Architecture de Paris la Villette  
 Denmark – Royal Danish Academy of Fine Art, Copenhagen

### Research and Post-graduate Activities

Research activities within the school are both pure and applied with the greater emphasis on applied research. Post graduate students can pursue master degree awards by supervised research programmes. Currently a range of research activities are being carried out by various members of staff. One specific research area currently being undertaken jointly by five staff members involves the development of a new methodology for the teaching of architecture using electronic communication through interactive DC and the world wide web. This development in theoretical aspects of architectural education had its origins in part in an international Conference on Architectural Education hosted by the school in February, 2000.

### C.P.D.

A short course in Professional Practice is also provided for graduates as part of continuing professional development. This course has been designed to fulfil the requirements of Part 3 of the Royal Institute of the Architects of Ireland professional practice examination.

### Contacts

Head of School

James F. Horan, Dip.Arch.,  
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 E-Mail: James.Horan@dit.ie

Head of Department

Degree in Architecture & Urban Design

Edmund O'Shea, Dip.Arch.,  
 M.U.B.C., F.R.I.A.I.  
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Acting Head of Department

Diploma in Architectural Technology & Conservation

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Course Chair

Certificate in Design Studies

Eamonn O'Doherty, B.Arch., MRIA  
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 Fax: + 353 1 402 3989  
 E-Mail: Eamonn.odoherty@ireland.com

### Full-time Staff

Bannister, Denis (Studio)  
 Boyd, Dermot (Studio & Theory of Architecture)  
 Brady, Noel (Design Tech, Studio, Theory of Architecture)  
 Brennan, Niall (Sabbatical)  
 Cantan, Gerry (Building Technology, Professional Practice)  
 Crean, Marie (Building Services, Building Technology, Studio)  
 Desmond, Hugh (History & Theory of Technology, Studio)  
 Fewer, Michael (Studio)  
 Flynn, Patrick (Design Technology, Studio)  
 Ford, Frank (Studio)  
 Fowler, Robert (Design Technology, Studio)  
 Grimes, Brendan (Civilisation Studies, Studio)  
 Hanly, Orna (Studio)  
 Healy, Dermot (Building Materials, Studio)  
 Hogan, Fergus (Conservation Technology, Studio)  
 Horan, James (Theory of Architecture)  
 Kirk, Thomas (Design Technology, Studio)

Kummer O'Connor, Ditte (Graphics, Studio)

Lauder, John (Mechanics, Structures, Studio)

O'Brien, Gerry (Computer Applications)

O'Doherty, Barbara (Contemporary Urban Studies, History of Urbanism)

O'Doherty, Eamonn (Design Studio)

O'Shea, Eddie (Specification & Professional Practice)

Rearden, John (Studio)

Ridge, Martin (Building Technology, Computer Applications, Studio)

### Part-time Staff

Bosback, Roland (Studio)

Buggy, Gavin (Studio)

Burns, Colette (Studio)

Byrne, Denis (Studio)

Clarke, Seamus (Law)

Cosgrave, Anthony (Building Services, Studio)

Daly, Patrick (Computer Applications, Studio)

Dawson, Susan (Studio)

De Roe, Patrick (Studies in Space & Form)

Dillon, Isoilde (Studio)

Duffy, Francis Noel (Computer Applications, Studio)

Farnan O'Rourke, Celine (Computer Applications, Graphics, Studio)

Haslam, Michael (Studio)

Hickey, Donal (Studio)

Jordan, Michael (Building Services, Environmental Science, Design Technology)

Kavnagh, Ros (Design)

Kelly, David (Law)

Mc Govern, Peter (Studio)

Mongey, Gary (Studio)

Moriarty, Conor (Computer Applications)

O'Brien, Brian (Energy Studies)

O'Byrne, Rory (Economics & Cost Control)

O'Callaghan, Orla (Studio)

O'Doherty, Owen (Studio)

O'Rourke, Andrew (Construction Studies)

Palmer, David (Building Materials, Studio)

Reid, Marcus (Studio)

Roche, James (Design Technology)

Sheridan, Charlotte (Studio)

Switzer, Emmet Daniel (Computer Applications)

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# Politecnico Di Milano

## Faculty of Architecture Leonardo

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 20133 Milano, Italy  
 Tel. : 0039-02-23991  
 http : llwww.arch.polimi.it  
 International Relations Office Faculty of Architecture (CRIFA)  
 Tel. : 0039-02-2399267012  
 Fax : 0039-02-23992677

Application deadline : June  
 Fees : depending on family income

### Degree programmes

Degree	Total number	Total number duration of study	Accredited	Admission requirements	Enrolment
Architecture	5	32	4500	5 year High School Diploma	4955
Industrial Design	5	24	3600	5 year High School Diploma	2607
Environmental and City Planning	4	32-39 depending on specialization chosen	2800	5 year High School Diploma	880

### General Information

The Politecnico di Milano is Milan's University specialized in technologies. The Institute of Higher Technology, the Politecnico, was founded in 1863 by a group of university men, scholars and entrepreneurs belonging to prominent Milanese families. In 1864 a special department of Architecture was founded; the object was to set up a higher educational establishment in modern architecture, which did not yet exist in Italy at that time, by associating the Institute's scientific and technical disciplines with the art subjects taught at the Milanese Academy of Fine Arts. The donations of industrialists and other private citizens have been of particular significance, since they made it possible to set up laboratories and experimental workshops, including the first Italian mechanical engineering workshop (1895), the electrical engineering laboratory and school for labourers (1902), the laboratory for oils and greases (1906), the paper research laboratory (1985) and the experimental workshop for construction materials (1998). In the area of university qualifications, the Politecnico is increasing the range of offer: we have recently added university diplomas to the traditional degree courses, which should provide young people with exceptionally good job opportunities when entering business and industry. We are also widening our range of PhD courses and aim to boost continuing education as a highly effective complement to postgraduate and postdiploma qualifications, as well as to keep in step with rapid changes and innovations in technology. The Politecnico di Milano pursues the concept of fun-

damental cultural transformation, based on the vital importance of scientific and technical developments. The Faculty of Architecture Leonardo is the biggest in Italy and offers three degree courses: Architecture, Industrial Design, Environmental and City Planning. The branch at Mantua offers the Diploma in Building Industry and the new degree course in Architecture. The Faculty of Architecture Leonardo retains the largest number of Erasmus Exchange students from other EC countries; we have contacts with South American, Australian and Asian Universities; international seminars are organized often, with a high number of exchanged visiting professors, researchers, lecturers and students. Lectures are given in Italian, as well as teaching materials, bibliographies and lecture notes.

### Facilities

All the facilities needed for studying and researching are offered to students: - the architectural library contains 500.000 books, thousands of Italian and foreign magazines, documents and microfilms. Information on the library can be found on: <http://www.biblio.polimi.it>. - the centre for distribution of lecture notes provides students with material on particular courses, whose bibliography is not based on books only. - the Cedar office provides cartography needed for thesis and projects. - the centre of cinematography and audiovisuals provides educational films and videos. - the Politecnico is equipped with almost a thousand computers (IBM, Macintosh and Silicon Graphics). - there are drawing boards in many classrooms. - there are two

workshops where students can make their prototypes and models.

### Educational Programs

The degree course in Architecture is spread over five years with 32 exams. It is divided into three cycles: 1 cycle: basic preparation and foundation courses concerning construction in architecture, history of the essential components of architecture, basic techniques in architectural design; 2 cycle: technical, scientific and professional training on architectural design, urban planning and restoration; 3 cycle: further specialization and in depth study of disciplines for the preparation of the major project. Didactic activity is organized on an annual basis. The degree course is composed of lecture courses, which aim to provide knowledge of theories, methods and disciplines, and workshops which provide practice of the main or specific skills in the preparation of a project. The degree course in Industrial Design aims to train industrial designers in the abilities and skills necessary to approach all areas of design, planning of products and productive processes using cultural backgrounds and basic design skills. Didactic activity is organized in semesters. The course is composed of lecture courses and workshops for practicals. There are two orientations, one is product, the other communication. The course of study in product design has the following specializations: industrial product design, light design, interior design, product design. The course of study in communication has the following specializations: visual and interfaces design, visual and multimedia design.

The degree course in Environmental and City Planning is spread over four years. It is divided into two cycles: 1 cycle: basic preparation and foundation courses; 2 cycle: technical, scientific and professional training, and in depth study of disciplines for the major project. The aim of the environmental and city planning degree course is the training of specialized technicians who will work for the planning and management of the environment.

#### Postgraduate programs

Constant updating is becoming more and more important in our society, due to the high rate of technological change and renewal; indeed, it has become strategically important for competitiveness in business. Every year more than a thousand people enrol for various continuing education courses organized by the Politecnico. The type of courses varies from year to year, since a rapid response has to be found to the appearance on the scene of new technologies, or to innovations in more mature ones.

Postgraduate courses are a significant item in the university education offered by the Politecnico. The doctorate of research is the highest academic qualification awarded by Italian universities and corresponds to a Doctor of Philosophy (PhD). The degree is awarded after a cycle of studies and research lasting at least three years, involving a specific area of disciplines. Normally each student is supervised by one or more professors and receives a scholarship. The research program is essentially individual; admission to a doctorate course is competitive. At present there are 7 doctorate courses (Industrial Design, Interior Design, Conservation and Restoration of Architecture, Technological Innovation, City and Environmental Planning, Technology of Architecture, Architectural and Urban Design) often involving co-operation with foreign universities.

#### Research programs

Research at the Faculty of Architecture Leonardo covers a wide range in terms of both areas and objectives; it is carried out by departments (Architectural Design, Building Construction and Land-use, Conservation and History of Architecture, Environmental Sciences, Industrial

Design and Architectural Technology), university centres (Information Technology, Landslides and Erosion, Mediterranean Gardens and Landscaping, Land-use Information Technology, Innovation and Sustainability, Transports), and CNR (National Research Council) centres.

The departments is the organizational unit to which teachers and researchers, engaged in one or more areas of research, homogeneous in terms of claims and methods, belong; it is on the department's premises research is conducted. The department is responsible for organizing courses and doing the teaching in respect of the disciplines connected with its own areas of research. The university's teaching and research are supported by numerous centres, which are available to both teaching staff and students.

Research at the Politecnico goes hand in hand with co-operation and working agreements with industry, since it is of enormous value for future architects and designers to be able to acquire work experiences: degree and diploma theses and work experience with companies and other organizations, both in Italy and abroad, will smooth the transition from study to employment. Relations between the University and industry take the form either of agreements with companies or through the setting up of joint organizations. As well as the departments, at the Politecnico there are the following bodies which liaise with industry in the area of research: Associazione Impresa Politecnico, which aims to strengthen co-operation with the world of industry; MIP, which promotes the integration of academic knowledge with the operating skills of companies, advanced training and applied research; the University Quality Centre, which provides services for research departments engaged in quality testing for companies and other entities.

#### Administration and staff

Full and associate professors at the Faculty of Architecture Leonardo are 151. Lecturers are almost 250. Each year many visiting lecturers from abroad are invited, thanks to the exchange programs with other EU Universities.

- Dean of the Faculty of Architecture: prof. Cesare Stevan.
- Chairman of the Degree Course in Architecture: prof. Sergio Crotti.
- Chairman of the Degree Course in Industrial Design: prof. Alberto Seassarò.
- Chairman of the Degree Course in City and Environmental Planning: prof. Alberto Mioni.
- Co-ordinator of the PhD in Industrial Design: prof. Ezio Manzini.
- Co-ordinator of the PhD in Interior Design: prof. Cesare Stevan.
- Co-ordinator of the PhD in Conservation and Restoration of Architecture: prof. Tatiana Kirova.
- Co-ordinator of the PhD in Technological Innovation: prof. Fabrizio Schiaffonati.
- Co-ordinator of the PhD in City and Environmental Planning: prof. Alessandro Balducci.
- Co-ordinator of the PhD in Technology of Architecture: prof. Maria Bottero.
- Co-ordinator of the PhD in Architectural and Urban Design: prof. Ernesto D'Alfonso.

# Politecnico di Milano

## Facoltà di Architettura Civile

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tel. : +39 022399.7141  
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### Didactic secretary for International Relation:

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### C.R.I. - Studesk4

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## Degree programmes

Degree Course	Duration	Degree
Degree in Architecture	3 years	1st Level diploma (laurea) (L)
Degree in Architecture of Buildings	3 years	1st Level diploma (laurea) (L)
Specialized Degree in Architecture	2 years after obtaining a diploma (laurea)	2nd Level diploma (laurea) (LS)
Specialized Degree in Architecture-Engineering of Buildings	2 years after obtaining a diploma (laurea)	2nd Level diploma (laurea) (LS)
Number of admitted students at 1st year		300+ 150
Total students		2700 ca.
Master		3 + 1
Research Doctorates (PhD)		3

### Radication in the urban and regional context

The creation of "urban territories" endowed with a specific image represented in the years the true great Italian urban project: without an intentional form, without the contribution of a urbanistic and architectural culture that reflected the cultural and civic crisis of the country. And a new physical and social landscape (the landscape of contemporaneity) established itself in the most developed parts of the country. The new Faculty of Architecture Milan Bovisa, located close to the Bovisa old gas factories of the town, offers itself to the needs of these physical and social territories, thanks also to the place where is settled.

Sited at the intersection of railway and road infrastructures which connect it with the most developed sectors of the Milanese region, with the new Malpensa airport on one side and the traditional centre of Milan on the other, the Faculty of Architecture occupies the renovated sheds of an old factory; it is provided with ideal spaces and equipments and offers itself to those European and Italian students who are once again interested in the study of architecture as an interpreter and builder of the city. This is a school that expands on the territory, also in its studies and historical references; that, in its research tradition, also looks at the other Lombard cities like Pavia, Vigevano or Como, and sees them as parts of the territory where it is settled and to which it relates.

### History

Our school of architecture is quite young. It is called the Faculty of Civil Architecture and it was formed from the division of a single department, in which a number of faculty members found it difficult to define a unified educational approach and project. Therefore this was a schism caused by a desire for clarity, not only by questions of size, in spite of their importance. The school of architecture of Milan has a strong tradition which the Bovisa school fully acknowledges and preserves. This tradition has developed over time, with the contribution of architects like Franco Albini, Piero Bottoni, Carlo De Carli and Ernesto Rogers, who have believed that every moment of history must construct its own architecture, in continuity with history, starting with a critique of the architecture of the past. What these architects, and some of their students who still teach in our school, have in common is the conviction that architecture is, above all, a matter of civil conscience.

### Didactic course

Beginning in the academic year 2000-2001, the Milan Politecnico implemented a new didactic course according to regulations expressed in the Decreto Ministeriale (Governmental Ordinance) dated November 3, 1999, n. 509, "Regolamento recante norme concernenti l'autonomia didattica degli atenei", published in the G.U. n. 2 del 4/1/00, and according to directions given by governmental ordinances for implementation. The reform of university courses modified the entire Italian university

didactic system, directing it towards reaching the following 3 objectives:

- reduction of drops-out and of actual years needed to obtain a degree;
- creation of professionals who can more adequately respond to the needs of the trade
- harmonization of didactic courses at a European level

The reform contemplates the following degrees:

- 1st Level diploma (laurea) (L);
- 2nd Level specialized diploma (laurea) (LS);
- Research Doctorate(PhD) (DR)

Admittance to an LS (2nd Level specialized diploma) is only possible after obtaining an L (laurea). Admittance DR (Research Doctorate) is only possible after obtaining an LS. In conceiving his 3+2 (L+LS) study course, the student has a wide choice; admittance to the LS is dependent upon passing an admittance test and, in some cases, it can cancel a number of didactic prerequisites which varies according to the type of LS chosen. Universities can also activate post-degree courses that grant the following degrees:

- 1st level Master (after L)
- 2nd level Master (after LS)

### University Didactic Credits

The reform introduces a study course which is based on didactic credits. A University Didactic Credits (CFU) is unit measuring the volume of learning, including individual study, required to an adequately prepared student in order for him to acquire

knowledge and ability in the didactic activities considered by the Study Courses. For the Faculty of Civil Architecture, a CFU equals to 30 working hours. The average quantity of learning activity carried out in one year by a full-time student equals to 60 credits. The credits relative to each didactic activity are issued to the student once he passes the exam or some other form of verification. It is expected that time devoted to personal study or to some other individual didactic activity equals at least 50% of the total workload.

#### Study Courses

Within the reform, the Faculty of Civil Architecture articulates the didactic offer into 4 degree courses:

Degree in Architecture – 3 years – 1st level diploma (laurea) (L),  
Degree Course in Architecture of Buildings – 3 years - 1st level diploma (laurea) (L),  
Specialized Degree in Architecture\* - 2 years after obtaining an L - 2nd Level diploma (laurea) (LS),  
Specialized Degree in Architecture-Engineering of Buildings\* - 2 years after obtaining an L - 2nd Level diploma (laurea) (LS)

\* *Specialized Degree Courses will commence in the academic year 2003/04.*

The following courses are also active: - 1st and 2nd degree Master's Degree Courses in the field of Architecture, Landscape Architecture, Interior Architecture, Architecture of Building and Structure, of Preservation and of Architectural Restoration.

The Degree Courses (L) in Architecture and Architecture of Construction have the 1st year on common in order to allow the student a greater flexibility in choosing his/her own course of study.

The diploma (laurea) (L) in Architecture allows admittance to the Specialized Degree (LS) in Architecture without any didactic prerequisites.

The resulting "3+2" course of study in Architecture responds to all requisites needed for it to be accredited by the European Union.

The diploma (laurea) (L) in Architecture of Buildings allows admittance to the Specialized Degree (LS) in Architecture-Engineering of Buildings without any didactic prerequisites. The resulting "3+2" course of study

responds to all requisites needed for it to be accredited as an LS (specialized diploma) by the European Union.

#### Research Doctorates (PhD)

Research Doctorate (PhD) in Architecture, Urban Planning, Preservation of living places and of the landscape

Department of Architectural Design  
This course aims at shaping a professional and a researcher who is aware of the problems that arise today in the transformation of the physical environment and of living spaces: rational use of resources (be they environmental or cultural), sustainable development, attention to the new social needs set by economic and cultural globalisation. Given the complexity of issues, the approach can only be multidisciplinary, although it cannot disregard the duty of synthesis and design experimentation even inside the specific fields that apply for the doctorate. In this sense the programme of studies includes three educational courses, distinct but strongly independent, as it is proved by the didactics that are common to the three courses.

The research doctorate (PhD) is articulated in three educational courses that, although maintaining each its own disciplinary specificity, co-operate in shaping the candidate, as it is shown in the didactic programme which provides for common propaedeutical and basic classes for all candidates.

#### Research Doctorate (PhD) in Architectural Composition

Department of Architectural Design  
The research doctorate (PhD) is intended as a high culture school, rooted in the history of the architect's practice and discipline and very rich in technical contents. It aims at shaping architects who are capable of a general point of view, with a solid historical/humanistic training and theoretical education, but also possessing a wide range of urban-planning and building notions as well as design abilities. The educational process takes place through the communication of organized contents, shared moments of research and participation to the cultural debate.

The course is institutionally based on the confrontation between members of the teaching staff and external personalities among the most significant in the international debate. This dia-

lectic is a reference and nourishment for the research. The course is built by integrated phases. Research Doctorate (PhD) in Interior Architecture and Installations Department of Architectural Design  
Development of research, organization, recording and re-elaborating abilities for the purpose of knowing and divulging historical as well as contemporary documents dealing with the interior design discipline (architecture, furnishing, decoration, scenography, installations, museology, furniture production). Besides the development of a specific individual curriculum, the candidates will be able to span the whole discipline of Interior Architecture and Installations, articulating their studies according to appropriate analytical and design scales, in different sectors.

#### Information for foreign students

Classes begin in the first week of October and finish at the end of May. Rather than being divided into 2 terms, these classes run all year round, which means that the projects are completed in May. The students then have 3 examination sessions: summer (June-July), autumn (September) and an extension of the autumn session which falls in February. During the exams all classes are suspended. All classes are held in Italian.

Classes having the same heading may be actually different since they may employ a different approach to the same subject depending on the teacher. The number of classes we recommend foreign students to follow ranges between a minimum of 3 and a maximum of 6, depending on the duration of their stay in Milan and the difficulty of the classes they choose.

#### Teaching staff

The school employs 88 permanent professors and 68 professors by contract.

Dean of the Faculty:

Prof. Arch. Antonio Monestiroli  
Vice-Dean:

Prof.ssa Chiara Molina

Presidents of the Degree Courses

Prof.ssa Chiara Molina, Prof.

Arch. Angelo Torricelli

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# Politecnico di Torino

Facoltà di Architettura 1

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Tel. : 0039-(0)11-5645902

E-mail : [arc.presidenzafac1@archi.polito.it](mailto:arc.presidenzafac1@archi.polito.it)  
[www.polito.it](http://www.polito.it)

Application deadline: July  
Fees: from 257 to 1085 euros, depending on family income

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Number of students students admitted in the first year
Architecture	Architect	3 years	-	5 years High School Diploma + admission examination	360
	Specialised architect	2 years	Architect Professional Association	Architect	
Graphic & virtual Design	Graphic & virtual designer	3 years	-	5 years High School Diploma + admission examination	50
Industrial Design	Industrial designer	3 years	-	5 years High School Diploma + admission examination	120
	Specialised industrial designer	2 years	-	Industrial designer	50

### General Information

The "Royal School for Engineering Applications" was founded in 1859 in Turin, as one of the initiatives started by the local authorities to solve the economical crisis which hit the area after the capital city of the Kingdom of Italy was transferred to Florence and, finally, to Rome. Architectural studies were, at that time, part of a civilian engineering career. The Royal School and the Industrial Museum (the second institution in the city for the education of industrial engineers) were joined to form the Turin Polytechnic - the first technical university in the country - in 1905. The culture of the Polytechnic, where the technical skills of engineering are strictly connected to the more humanistic-oriented approach of architecture, developed during this initial period. The Faculty of Architecture was founded in 1935. The Polytechnic recently started a policy aimed at spreading activity throughout the territory of Piedmont, the region which capital is Turin. Today, engineering courses are organised in Alessandria, Aosta, Biella, Mondovì, Torino and Vercelli and architecture courses are organised in Mondovì and Torino. There are three Faculties of Engineering and two Faculties of Architecture in the Polytechnic according to the internal restructuring procedure which was started in 1999. The First Faculty of Architecture counts approximately 3500 students enrolled in the various graduate and

diploma courses. The average duration of architectural studies is approximately eight years (legal duration of the course is five years), but it is going to decrease with the new 3+2 didactic system. This system is being implemented for all faculties at the Polytechnic as from the year 2000. Polytechnic students from all faculties will earn a bachelor degree after three years of study and a master degree after the following two years. With this degree, studies can earn a Specialisation School diploma (two years) a professional Master (1 year) or Doctorate School diploma (PhD after three years). The Faculty is located in the Valentino Castle, an outstanding example of 17th century civilian architecture. It is generally considering one of the most beautiful faculties of architecture in Europe. The building stands in the Valentino Park, in the immediate vicinity of the historical city centre. The area is easy to reach on foot from the city centre and by public transport. It is also well connected to the Central Polytechnic Offices, the Faculties of Engineering in Turin and the Faculty of Architecture classrooms in the future development area of the Polytechnic (where the entire faculty will eventually be transferred). Student services at the Valentino include a vast Central Library and sector-specific libraries (city-planning and history). The Central Library includes several archives of 20th cen-

tury architects (from Carlo Mollino to 20th century local architects). The Library also has a videotape section, a CD-ROM section, microfiches and microfilms on architectural matters, as well as the collection of graduate and doctorate dissertations presented to the faculty. The entire library system can be accessed at [www.biblio.polito.it](http://www.biblio.polito.it). The Interdepartmental Didactic Centre of the Faculty of Architecture (Cisda) provides a range of services to students:

- A project didactic documentation laboratory (Ladipro) for assisting students in computer-based project presentation.
- A model laboratory (Lamod) for making project models.
- A didactic audio-visual service (Sad) offering films on architecture and collecting and producing disciplinary video material.
- A hyper media production service (Hyparc) making hyper media software.
- An architecture faculty language service (Sla) offering staff and a language laboratory to students.
- A architectural photometry laboratory (Fotoril) teaching photometry techniques and offering a vast repertoire of pictures of major historical buildings.
- An environmental system analysis and modelling laboratory (Lamsa) providing tools for analysing constructed environment quality.

- A technological construction laboratory (Latec) where students can construct building components.
- A computer and information technology communications centre (Cesit) at the Valentino counting the computer laboratories of the faculty for computer courses and free use on behalf of the students. A second centre is open in Via Pier Carlo Boggio.

Finally, Polytechnic students are invited to offer their paid contribution for didactic activities and services. Other services are offered by the "Renato Einaudi" University House and the regional Education Rights authority (Edisu).

#### **Educational programme**

The adoption of the 3+2 model for academic year 2000-2001, following the Bologna agreement, has completely redefined the permanence of students in the Faculty of Architecture, allowing students to seek employment after the first three years of study.

The educational programme comprises degree courses in Architecture, in Industrial Design and in Graphic & virtual Design, as well as several post-degree functions.

The general structure of the system was defined by the Faculty Council according to European architecture study constraints and national rules for all universities. The Industrial Design and Graphic & virtual Design courses are not subject to European rules.

The three years' programme in Architecture has been completed in detail with the start of the third year courses in fall 2002. Teaching is based on design workshops (ateliers) integrating architectural design and city-planning, with relevant presence of all disciplines. Interdisciplinary design work is focused on relevant urban themes, with attention to planning, landscape and urban design, architectural design and construction, environment and sustainability, building economy. Courses are held during the first didactic period (September-December) while atelier practice is carried out mainly during the third period (March-June). First semester courses include mathematics, urban geography, history of architecture, descriptive geometry, construction, etc.. A mid period (January-February) is left free for the attendance of intensive design works-

shops, conferences and individual research. Students have also the option of choosing professional activities during the second semester of the third year.

Conversely, educational programmes have been drawn up for the first three years of Industrial Design and Graphic & virtual Design (the first two years are currently operative).

The two-year Master programme leading to the title of "Specialised Architect" is currently being defined, as it will start in fall 2003. A parallel programme in Eco-design, offered as a specialisation in the field of industrial design, is already operational from 2002. All faculty courses are defined in Ects, count up to approximately 60 a year and can be carried out during the first or third period. Workshop activities, on the other hand, last for the entire year, but their activity is more intense in the third period. Approximately forty students a year can follow part of their curriculum aboard at one of the many schools belonging to the Socrate/Erasmus programme.

#### **Post-graduate programme**

Post-graduate programmes are becoming increasingly important in today's society. Professional and academic architecture post-graduate programmes are organised by the Doctorate School which is common to the entire Polytechnic and cover programmes concerning both engineering and architectural concerns ([www.polito.it/offerta/post-lauream/scudo/guide](http://www.polito.it/offerta/post-lauream/scudo/guide)). In general, one of the specifically listed graduate diplomas or master diplomas is required to access the programmes. Specialisation Schools are more markedly professional. Courses last for two years. The programmes which most appeal architecture graduates are "Architectural and environmental heritage history, analysis and evaluation" and "Technology, architecture and cities in developing countries". Other programmes focusing on contemporary architecture preservation and Alpine architecture are being defined, in co-operation with universities in France, Switzerland and Germany, as well as a programme in information technology and urban design in co-operation with universities in the Netherlands, USA and France. Doctorate courses, on the other hand, are more markedly academic and required to access a uni-

versity career, although professional aspects are not neglected. The curricula last for three years. The courses most directly related to architecture studies focus on "Architecture and construction design", "Accounting and economical evaluations", "Territorial planning and real estate marketing", "History of architecture and city-planning" and "History and critique of architectural and environmental heritage". Various professional Master courses of 1 year allow students, practitioners or civil servants to perfection specific aspects of practice (CAD, building economics, evaluation, legislation, etc.).

Corep (Permanent Education and Research Consortium) was founded by the Polytechnic and the Turin University and organises specialisation and further education one year or shorter courses.

#### **Research programme**

Research is carried out in Italy by departments and not by faculties, which are specifically didactic structures. Four departments are located in the First and Second Faculty of Architecture: Architectural Design, Homes and Cities, Settlement Science and Techniques and Territory Inter-University Department which is in common to the Turin Polytechnic and the Turin University. Other four engineering Faculty Departments are located in the Valentino Castle. These Departments provide most of the lecturers required by the two Faculties of Architecture according to needs. Other lecturers are provided by other Departments and refer to the Faculty of Engineering.

Research in the Departments follows the major lines of design, history and city-planning and plays a leading role in the most advanced national and international debate. An important part of research is carried out on behalf of the government, of companies and local authorities by means of research and consulting contracts.

#### **Administration and staff**

Full and associates professors at the First Faculty of Architecture are 46; lecturers are 41.

The Dean of the Faculty is

Prof. Carlo Olmo.

The Vice-dean is

Prof. Aimaro Oreglia d'Isola.

Responsible of International affairs is Prof. Matteo Robiglio.

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## Politecnico di Torino

### Facoltà di Architettura 2

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Tel. : 0039-(0)11-5646378

Fax : 0039-(0)11-5646379

Email : arc.presidenzafac1@archi.polito.it

www.polito.it

Application deadline: July

Fees : from 257 to 1085 euros, according with family income

#### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Number of students admitted in the first year
Architecture	Architect	3 years	-	5 years High School Diploma + admission examination	240
	Specialised architect	2 years	Architects' Professional Association	Architect	
Architecture, with Environmental and Landscaping approach (Mondovi)	Architect	3 years	-	5 years High School Diploma + admission examination	120
	Specialised architect	2 years	Architects' Professional Association	Architect	
History and Conservation of Architectural and Environmental Heritage	Doctor in History and Conservation		-	5 years High School Diploma + admission examination	120
	Specialised Doctor in History and Conservation	2 years	-	Doctor	

#### General Information

The "Royal School for Engineering Applications" was founded in 1859 in Turin, as one of the initiatives started by the local authorities to solve the economical crisis which hit the area after the capital city of the Kingdom of Italy was transferred to Florence and, finally, to Rome. Architectural studies were, at that time, part of a civilian engineering career. The Royal School and the Industrial Museum (the second institution in the city for the education of industrial engineers) were joined to form the Turin Polytechnic - the first technical university in the country - in 1905. The culture of the Polytechnic, where the technical skills of engineering are strictly connected to the more humanistic-oriented approach of architecture, developed during this initial period. The Faculty of Architecture was founded in 1935.

The Polytechnic has recently started a policy aimed at spreading activity throughout the territory of Piedmont, the region which capital is Turin. Today, engineering courses are organised in Alessandria, Aosta, Biella, Mondovi, Torino and Vercelli and architecture courses are organised in Mondovi and Torino. There are three Faculties of Engineering and two

Faculties of Architecture in the Polytechnic according to the internal restructuring procedure which was started in 1999.

The First Faculty of Architecture at this time counts approximately 3500 students enrolled in the various graduate and diploma courses. The average duration of architectural studies is approximately eight years (legal duration of the course is five years). Diploma courses are coming to an end, as a consequence of the adoption of the 3+2 system deriving from the Bologna agreement. This system is being implemented for all faculties at the Polytechnic as from the year 2000. Polytechnic students from all faculties will earn a bachelor degree after three years of study and a master degree after the following two years. With this degree, studies can earn a Specialisation School diploma (two years) or Doctorate School diploma (PhD after three years).

The Faculty is located in the Valentino Castle, an outstanding example of 17th century civilian architecture. It is generally considering one of the most beautiful faculties of architecture in Europe. The building stands in the Valentino Park, in the immediate vicinity of the historical city centre. The area is easy to reach on foot

from the city centre and by public transport. It is also well connected to the Central Polytechnic Offices, the Faculties of Engineering in Turin and the Faculty of Architecture classrooms in the future development area of the Polytechnic (where the entire faculty will eventually be transferred).

Student services at the Valentino include a vast Central Library and sector-specific libraries (city-planning and history). The Central Library includes several archives of 20th century architects (from Carlo Mollino to 20th century local architects). The Library also has a videotape section, a CD-ROM section, microfiches and microfilms on architectural matters, as well as the collection of graduate and doctorate dissertations presented to the faculty. The entire library system can be accessed at [www.biblio.polito.it](http://www.biblio.polito.it).

The Interdepartmental Didactic Centre of the Faculty of Architecture (Cisda) provides a range of services to students:

- A project didactic documentation laboratory (Ladipro) for assisting students in computer-based project presentation.
- A model laboratory (Lamod) for

- making project models.
- A didactic audio-visual service (Sad) offering films on architecture and collecting and producing disciplinary video material.
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Finally, Polytechnic students are invited to offer their paid contribution for didactic activities and services. Other services are offered by the "Renato Einaudi" University House and the regional Education Rights authority (Edisu).

#### **Educational programme**

The adoption of the 3+2 model for academic year 2000-2001, following the Bologna agreement, aims at reformulating the permanence of students in the Faculty of Architecture, allowing students to seek employment after the first three years of study.

The educational programme comprises a degree course in architecture and several post-degree functions. The general structure of the system was defined by the Faculty Council according to European architecture study constraints and national rules for all universities. The industrial design course is not subject to European rules.

The first year programme has been defined in detail to date. Design workshops (ateliers) integrating architectural design and city-planning cover the first year. Courses are held

during the first semester and practice is carried out during the second semester. First semester courses include mathematics, history of architecture, descriptive geometry, steel construction, etc. The curriculum of the third year follows the same structure. Students have the option of choosing professional activities during the second semester of the third year.

Students attending the courses subsequent to the first year will continue to follow the programmes established approximately one decade ago by the general architectural study reform.

Conversely, educational programmes have been drawn up for the first three years of industrial design (the first two years are currently operative).

All faculty courses are defined in Ects, count up to approximately 60 a year and can be carried out during the first or second semester. Workshop activities, on the other hand, last for the entire year. Approximately forty students a year can follow part of their curriculum aboard at one of the many schools belonging to the Socrate/Erasmus programme.

#### **Post-graduate programme**

Post-graduate programmes are becoming increasingly important in today's society. Professional and academic architecture post-graduate programmes are organised by the Doctorate School which is common to the entire Polytechnic and cover programmes concerning both engineering and architectural concerns ([www.polito.it/offerta/post-lauream/scudo/guide](http://www.polito.it/offerta/post-lauream/scudo/guide)). In general, one of the specifically listed graduate diplomas or master diplomas is required to access the programmes.

Specialisation Schools are more markedly professional. Courses last for two years.

The programmes which most appeal architecture graduates are "Architectural and environmental heritage history, analysis and evaluation" and "Technology, architecture and cities in developing countries". Other programmes focusing on contemporary architecture preservation and Alpine architecture are being defined, in co-operation with universities in France, Switzerland and Germany.

Doctorate courses, on the other hand, are more markedly academic and required to access a university career. Professional aspects are not neglected. The curricula last for three years. The courses most directly related to architecture studies focus on "Architecture and construction design", "Accounting and economical evaluations", "Territorial planning and real estate marketing", "History of architecture and city-planning" and "History and critique of architectural and environmental heritage". Corep (Permanent Education and Research Consortium) was founded by the Polytechnic and the Turin University and organises specialisation and further education one year or shorter courses.

#### **Research programme**

Research is carried out in Italy by departments and not by faculties, which are specifically didactic structures. Four departments are located in the First and Second Faculty of Architecture: Architectural Design, Homes and Cities, Settlement Science and Techniques and Territory Inter-University Department which is in common to the Turin Polytechnic and the Turin University. Other four engineering Faculty Departments are located in the Valentino Castle. These Departments provide most of the lecturers required by the two Faculties of Architecture according to needs. Other lecturers are provided by other Departments and refer to the Faculty of Engineering. Research in the Departments follows the major lines of design, history and city-planning and plays a leading role in the most advanced national and international debate. An important part of research is carried out on behalf of the government, of companies and local authorities by means of research and consulting contracts.

#### **Administration and staff**

Full and associated professors at the Second Faculty of Architecture are 58; lecturers are 42.

The Dean of the Faculty is

Prof. Vera Comoli Mandracci.

The Vice-dean is

Prof. Cristoforo Sergio Bertuglia.

Responsible of International affairs is

Prof. Guido Morbelli.

■

# Fachhochschule Liechtenstein - University of Applied Sciences Liechtenstein

## Faculty of Architecture

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Application deadline: 2 July 2001, 1 July 2002, 30 June 2003  
 Aptitude test / enrolment exams: 6 July 2001, 5 July 2002, 4 July 2003  
 Tuition and fees: CHF 750.- / semester



## Degree programmes

Degree	Title	Minimum duration of study	Admission requirements	Enrolment
Diploma	Dipl.-Arch. (FH)	4,5 years	Matura (Upper secondary school leaving certificate or equivalent -ISCED level 3A or 3B)	30 per year

### General Information

The Fachhochschule Liechtenstein – University of Applied Sciences Liechtenstein – was founded in 1961 and is a rather small university. Where 450 undergraduate and graduate students (100 Architecture; 350 Business Management) are enrolled. Personal attention in an informal atmosphere is highly appreciated. The academic year is divided into semesters. The winter term, starting in October (week 42) lasts 18 weeks until March with a short semester break. The summer term with 18 weeks lasts from April until mid-September with a summer break (mid-July – August). The programmes of further education have a flexible time schedules.

### Facilities

The Faculty of Architecture at the Fachhochschule Liechtenstein is located in Vaduz and Triesen. In fall 2001 a new campus will be opened in a reconstructed old textile factory building with shed roofed halls in Vaduz. Four large studios, several lecture and seminars rooms will be available.

Besides the actual computer facilities, the whole new building has wireless installations so the students have the opportunity to work on their notebooks wherever necessary.

### Educational Programs

The studies at the Fachhochschule Liechtenstein are characterised by the fact that theory and practice are closely linked. Through their practical

training before the course and throughout their studies, students are given a comprehensive insight into the various major areas of professional practice. They therefore have the opportunity to link their theoretical studies at the university – depending on their progress – with the practical studies in the architects' office. These practical studies are assessed and supervised by the faculty. The very different backgrounds of the students are the reason why the first year is hold more restricted, while from the second year the students have more choice, more individual supervision and the individual development is carefully promoted. The student-/tutors ratio in the mayor subjects is about 1:8 until 1:12.

The study plan foresees a continuous development of complexity within the projects and subjects. In these subjects as well as in research and technology transfer, the students have the choice between at least 3 items and teachers. The faculty also offers a choice concerning the general subjects of economy, CAD, renewable energy, teamwork and leadership, communication and languages as well as the diploma thesis, where the candidates are guaranteed the choice of the theme. The students have to attend vocational training programmes and are given the same status and rights as other university students.

All programmes are organised and structured on a modular basis. Students complete their studies with an official approved academic title

and their achievements are awarded with credits (ECTS) as recommended by the European Union.

### International Activities

Since 1995, when Liechtenstein became a Member of the EEA, students and tutors have the possibility to co-operate with foreign institutions in the framework of EU exchange programs like Erasmus and Leonardo da Vinci. As long as the students come from or live in a EU or EEA country, they get support for their studies abroad and their exchange semesters are accredited by the faculty.

Sokrates Intensive Programmes have become a part of the activities at the university. In 1998 the co-operation for the Sokrates program including the KTH Stockholm, UE London and the Fachhochschule Liechtenstein started with a Workshop for "Wood Construction" in Vaduz, with 36 students from 14 nations and tutors of the three schools. In March 2000 there was the 2nd Workshop in the subject „Urban Renewal" in London, with 55 students from the three universities. In spring 2001 another workshop together with the KTH in Stockholm ,the Technical University and Art academy Talinn is planned in Talinn and Stockholm.

### Exchange Programs

Sending students and teachers abroad and inviting foreign tutors an students has always been important for the Fachhochschule Liechtenstein. There have been and are exchanges with:

- University of East London UEL,
- Royal Institute of technology Stockholm
- Academie Paris la Vallette
- Technical University Vienna
- Academie Paris la Seine
- Rietveld Academie, Amsterdam
- University of Venice
- University of Applied sciences Fachhochschule Aachen
- Escuela tecnica Superior de Arquitectura in Madrid
- Universidad Nacional de Mexico
- Universidad de Los Andes Bogota, Columbia, Universidade de Sao Paulo Brasil
- Universidad del Bio in Concepcion , Chile

**Administration and Staff**

In alphabetic order

- Prof. Dr. Aistleitner Eyjolf,

Ecology

- Dipl. Arch . ETH Theres Aschwanden

Design+Constuction

- Ing. HTL Bachofner Rolf,

Wood Construction

- Dr. phil Banzer Roman,

Literature

- Dipl. Bauing. HTL Bettschen

Structural Design

- Dipl. Arch. ETH Buschor Markus

Design+Construction

- Dipl. Arch. ETH H. +P. Diethelm-Grauer

History and Theory of Architecture

- Dipl. Ing. Arch. Dvorzak Hugo,

Design + Construction

- Betr. Oec. FH Eggenberger S.

Communication + Rhetoric

- Dipl. Arch. HTL Frommelt Christoph

Wood structure

- Mag. Art. B.A. Paris Frommelt Martin

Arts

- Dipl. Arch. HTL Fäh Roland,

Construction

- Dipl. Ing. Arch Gohm Markus,

Design

- Dipl. Arch. HBK Gähler Diego,

Design

- Dipl. Arch. HTL Hatz Pierre,

Protection of Hist. Monuments

- Dipl. Ing. Hediger Herbert,

Tec. Installation

- Dipl. Arch. HTL/STV Heeb Beni,

Construction

- Lic. Kunsthistor. Heilig Edgar, Urban Planning

- Dipl. Arch. ETH Held Lorenz,

Building Management

- Dipl. Arch. TU Hilti Hansjörg,

Dean of Faculty

- Dipl. Kaufm.HKG Hüttenmoser Management

- lic. phil. Jakob Ursina,

Sociology

- lic. phil. Kindle Konrad,

Philosophy

- Dipl. Arch. ETH Kuhn Felix,

Design + Research

- Dr. Ing Arch. Künz Lothar,

Building Physics

- Dipl. Bauing. HTL Leu Peter,

Building Management

- Dipl. Arch. ETH Möllfors Karin,

Further Education + Research

- Dipl. Arch. ETH Müller B.

Urban Planing

- Dipl. Arch. ETH Ospelt Hubert,

Urban Planing +Arts

- Dipl. Arch HBK Harry Roos

Desidn + Construction

- Dipl. Ing. Eugen Schuler

Structural Design

- Dipl. Ing.Arch Schwanzar Walter

Construction supervision

- lic. Oec Toldo Oscar,

Economy

- Dipl. Arch. Unterrainer Walter,

Design+Constr+Building Ecology

- Dr. Ing.Arch Walter Erich,

Steel Construction

- Dipl. Arch. HBK Wehrli Jürg,

Design +Construction

- Dipl. Tech. HLK Widmer Richard

Installations

- Prof. Dr. Ing H.v. Winning

Urban Plannning

- Prof. Dr. phil. Wunderlich Werner, Literature +Media

Permanent external Experts:

- Dipl. Arch. ETH Eraldo Consolascio Zürich
- Dipl. Arch. RIBA Thomas Schregenberger Zürich

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# University "Sv. Kiril i Metodij" - Skopje

## Faculty of Architecture

Partizanski odredi 24  
 POBox 303  
 91000 Skopje  
 Republic of Macedonia  
 Tel. : + 389 91 116 328  
 Fax : + 389 91 116 367

Application deadline : June  
 Tuition and fees : 4.000 USD



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture	g.e.a. (Graduated engineer-architect)	5 years			70
Architecture	M.Sc. (Master of technical sciences in architecture)	2 years			15

### General information

The Faculty of Architecture is one of the twenty-four faculties at the largest University of "SS. Cyril and Methodius" in the Republic of Macedonia. The Faculty was founded in 1949, as a Department of Architecture within the Technical Faculty, at that time having two departments - Civil Engineering and Architecture. As an independent academic unit the Faculty of Architecture exists from 1976. In the period of fifty years the Faculty has been the only institution to provide students with accredited professional degree program in the Republic of Macedonia.

The program aims at developing the knowledge and skills necessary for architects to achieve future roles in the professional practice of architecture and related environmental design fields. In the past fifty years 3294 students have graduated from this Faculty. At the present 600 students study the five-year undergraduate program and 15 students study the two-year postgraduate program. The Ph.D. program is organized on the basis of mentorship.

The study is a full-time five-year course. The curriculum gives a broad design and research programme in the fields of architectural design, architectural history and theory, as well as philosophy and art, building technology, construction, and engineering and urban design and planning. This knowledge encourages students to continue learning and specializing throughout a professional career and tries to develop skills preparing the graduated architect-engineers to practice. Faculty staff of 31 professors and 21

assistant professors supports this program. Courses are structured as lectures and readings alongside the studio sequence.

Over the past fifty years the Faculty has become an institution with national reputation. Lately, the participation in European exchange programs has been enhanced and many contacts with universities in the USA, Australia, and Asia have been established as part of the university international exchange programme. Collaboration with foreign universities is stimulated in research programmes, visiting lecturers and students. The Summer School of Architecture for students and young faculties hosts lecturers and participants from all over the world.

### Facilities

The Faculty of Architecture is located in the central area of Skopje, the capital of Republic of Macedonia and is very good connected with all the city zones of importance, and the surface transportation terminals. Public transportation connects the Faculty with other faculties and facilities of the University, the Library, recreation complexes etc. The geographical position of the city, being in the central part of the Balkans, provides this Faculty with opportunities to contact and connect easily with other universities in the neighbouring countries as Bulgaria, Greece, Albania and Yugoslavia. The building was originally built for the needs of the Technical Faculty and today houses two faculties, the Faculty of Architecture and the Faculty of Civil Engineering. The faculty facilities are modest but

permanently improving. The Library provides most of the referent books in Macedonian, and many in English, French, German and other foreign languages as well as subscriptions to numerous periodicals of the world-wide famous magazines. The Faculty houses facilities necessary for teaching and research: CAD centre and computer-wired work-stations, modeling hall, photo laboratory and laboratory for testing the physical and strength characteristics of the materials.

Recently, as part of the Faculty complementary activities the Architectural Gallery and the Archives of Architectural Drawings that collects original materials of notable architects and projects, were established.

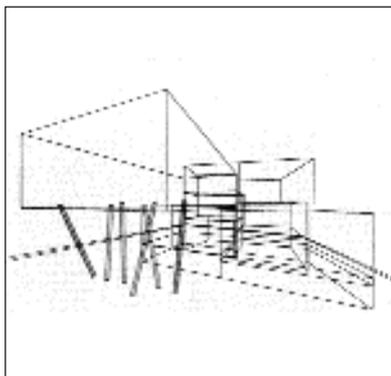
### Educational programme

The students at the Faculty of Architecture pursue a five-year program leading to a graduate degree. Graduates are awarded the title of Graduated Engineer Architect.

The program promotes broad areas of knowledge and professional skills. In the first two years students acquire basic knowledge introducing architecture and design fundamentals, architectural history and technology. Teaching is scheduled in a fifteen-week period in the spring and fall semesters. The courses in the first and the second year are:

#### First year

Philosophy of Technical Sciences  
 Mathematics  
 Descriptive Geometry  
 Art Studio-Drawing  
 Architectural Structures I



Elements of Design  
Fundamentals of Computer Aided Design  
Defense and Civil Protection

#### Second year

Perspective Drawing  
Art Studio-Plastic Forms  
Mechanics  
Strength of Materials  
Architectural Structures II  
Fundamentals of Design  
Fundamentals of Urbanism  
History of Architecture and Art in Ancient Times  
History of Architecture and Art in the Middle Ages  
Physics in Architecture

In the last three years of studying, the curriculum centers on architectural design. The advanced comprehensive problems require integration of the full range of knowledge and skills from the previous two-year education. Students learn to develop the skills they need to practice architectural profession. These three years of studying incorporate courses in theory and history of architecture, technology and structures, and urban design and planning. In this period students work in various design studios and select one design studio that complements their areas of interest and helps them to undertake the final design project - the Diploma Project. The selected design studio has core courses, which are compulsory, and optional courses that are closely related to the research and design of the chosen project.

#### Selected Design Studio

Optional courses  
Foreign Language  
Gymnastics  
Computer Aided Design  
Sculpture  
Modelmaking  
Art Photography

#### Postgraduate programme

The faculty offers a postgraduate programme leading to a Master or a Ph.D. degree. The postgraduate studies are located at the intersection of educational and research activities of the faculty and they successfully combine the education with the research at the faculty in the fields of architecture and urban design.

The postgraduate studies are based on four areas in which the candidates can locate their individual interests:

architecture, urban planning and design, conservation and architectural history. The candidates are encouraged to incorporate within their research, the most advanced scientific approaches in the field and the experiences embedded in the rich architectural and cultural heritage of Macedonia.

The course leading to a Master degree lasts four semesters. After an initial semester of introductory courses, the students select their individual programmes of study from the list of courses in the four mentioned areas. According to their specific field of interest they can also take courses taught at other faculties in the university.

The studies leading to a Ph.D. degree are organized on an individual research basis. Recent doctoral thesis have covered the areas of architectural heritage, theory of architecture and urban planning and sustainable architecture and development.

#### Research programme

The research at the faculty is organized either as disciplinary research undertaken through the five departments in the faculty or as interdisciplinary research that involves several departments and other parties outside the faculty.

Recent research projects have included the fields of housing, industrial building, urban planning, conservation and renewal, thermal insulation of buildings and sustainable building materials.

An important part of the research endeavors of the faculty has been centred to research in the rich architectural heritage of Macedonia of both sacred and secular architecture. It should be mentioned that it has been a long-standing tradition in the faculty to engage students in the research of this kind, which supplies them with a deeper insight and knowledge of the architecture in the region.

#### Student activities

The student association is actively involved in the communication with the staff aimed at the improvement of the curriculum as well as in many extracurricular activities.

The student association is an active member of EASA, the European association of students of architecture which allows the students to attend international workshops throughout the year and to exchange educational experiences with students from many European countries.

The student association is also an active member of IASTE, the international association of students of technical sciences, which allows students to work in architectural practices throughout the world during the summer.

The intensive international communication of the faculty allows the students to participate in many forms of exchange with the faculties in the vicinity such as workshops, seminars, lectures etc.

#### Administration and staff

The Faculty has 52 full-time academic staff, while visiting lecturers from other faculties of the university and from abroad take part in the graduate and postgraduate programmes of study.

Dean

Prof. Zivko Popovski

Vice-Dean:

Prof. Dr. Martin Guleski

Prof. Cvetanka Simonovska

Head of Postgraduate Studies:

Prof. Dr. Vlatko P. Korobar

Department of Architectural Design

Prof. Dimitrije Golubovski

Department of Environmental Planning and Design

Prof. Dr. Miroslav Grcev

Department of History of Architecture

Prof. Dr. Mihail Tokarev

Department for Architectural Structures and Technology

Prof. Dr. Tihomir Stojkov

Department of Visual Communications

Prof. Dimitrija Vanov

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# University of Malta

## Faculty of Architecture and Civil Engineering

MASIDA - MSD06

Tel.: : 356/ 333919

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

The Faculty of Architecture and Civil Engineering at the University of Malta is the only institution in the Maltese Islands concerned with tertiary level architectural teaching and research. Formally the Faculty was established in the beginning of this century at a time when its first professors could heavily rely on a unique historical background of architectural expertise and practise which was closely linked to the famous Accademia di San Luca in Rome. This design and building tradition dated back to at least the 16th century when the Hospitaller Knights of St. John the Baptist and, after 1800, the British Imperial Government, repeatedly utilised the resource of some very capable Maltese architects to build a series of fortified towns, splendid Baroque palaces and churches, water supply systems and impressive fortifications, all using the local limestone material. Once established, the Faculty of Architecture and Civil Engineering developed at a steady pace to end up as an ever-expanding school of learning and research based on two main departments, two institutes and a still young art unit. The Department of Architecture and Urban Design in conjunction with the Department of Building and Civil Engineering runs a full time Bachelorship degree course in Architecture of five years duration, leading to the award of a B.E. & A. (Hons.) degree. Both departments additionally offer Diploma and Higher Certificate courses in a variety of disciplines including Planning Studies, Conservation Studies and Project Management Studies, as well as M.Phil and PhD. research based

degrees. The International Institute for Baroque Studies promotes the pursuit of interdisciplinary academic studies on various aspects of Baroque culture by serving as a focal point for local and foreign scholars involved in research in this field. Apart from offering a full time MA in Baroque Studies course, this Institute which is attached to the Department of Architecture and Urban Design, provides advice and assistance in this conservation of the local Baroque buildings and concerns itself with academic publications mainly involving Baroque art and architecture, working in close liaison with similar centres for Baroque studies in Europe, this apart from organising conferences, lectures and exhibitions on Baroque architecture and artistic expression. The Institute for Masonry and Construction research is basically also a research orientated Institute promoting studies at undergraduate and postgraduate levels in all aspects of masonry including the technology of conservation of Masonry buildings. The Institute, which is attached to the Department of Building and Civil Engineering, is also active in areas related to structural masonry, particularly arched and vaulted structures, in the area of mineral resource assessment, in the area of repair and strengthening of old structures and in the area of the numerical modelling of structures. The Art Unit of the Faculty constitutes its most recent asset and is basically concerned with research projects in art History while at the same time assuming responsibility for undergraduate courses in art history and appreciation.

Collaboration with International Universities in Europe and in the United States is stimulated through the organised participation of Faculty members and students in a wide range of international education and research programmes and the number of visiting professors and students taking part in such programmes been steadily increasing in the past years, largely as a result of the good relations that the Faculty has with the Foundation for International Studies of the University of Malta. There are at present 150 full time students in the Faculty of Architecture and Civil Engineering and another 100 part-time students engaged in Diploma and Higher Certificate courses. The Dean of the Faculty relies on fifteen full-time academic staff members and a varying number of part-time lectures and studio tutors. Visiting Professors regularly visit the Faculty and deliver lectures in subjects of a specialised nature, to both undergraduate and post-graduate students.

#### Facilities

The Faculty of Architecture and Civil Engineering is presently housed in a purpose built structure situated on the main University Campus at Msida, close to the Renaissance Capital city of Valletta in the Eastern part of the Island. Besides normal lecture room and administration facilities, the new Faculty building contains two large design studios, a fully equipped Model Making laboratory housed in a World War II bunker, a large Civil Engineering Laboratory, a Computer Laboratory and amply exhibition space for student projects. All these facilities are organised on

three main levels which provide easy access to other University common facilities such as the Library and the canteen. The Institutes and the Art Unit are housed within the Faculty building and are provided with adequate and flexible space for the pursuit of research projects.

#### **Educational Programme**

Under Maltese Law, the enrolment in a five year course of studies in the Faculty of Architecture and Civil Engineering implies the granting of a warrant to practise by the local Government.

For this reason, the main objective of the Faculty is to produce 'generalist' professionals as indicated by the major requirements of the local building industry and by local environmental concerns but with an adequate base for developing into specialised professionals after further postgraduate studies in Malta or abroad. Considered in this perspective, the main B.E. & A. (Hons.) course offered by the Faculty of Architecture and Civil Engineering incorporates an initial three year phase of study where students are exposed to a design studio-based system of tuition where all learning in a structured progression of architectural, urban design and civil engineering subjects are crystallised in design projects. After successfully completing this initial period of study, students are asked to opt for one stream of specialised study spread over the remaining two years of the course and covering either architecture or urban design or structural/civil engineering. It is intended to offer more streams of specialised study in the near future this depending on the resources of the Faculty and the changing needs of the country, particularly so at this point in time where Malta has re-activated its application to join the European Union.

Among the core modules in Part I of the B.E. & A. (Hons.) course one can mention:

- Architectural Design courses
- Man-Environment Relations courses
- History and Theory courses
- Design Theory courses
- Construction Technology courses
- Environmental Control courses
- Structural Engineering courses
- Civil Engineering courses
- Mathematics courses

Among the core modules in Part II of the B.E. & A. (Honours.) course one can mention:

#### **Architectural Stream**

- Advanced History and Theory courses
- Conservation Studies courses
- Interior Design courses
- Landscape Design courses
- Structural Design courses
- Building Technology courses
- Housing courses
- Computer Application courses.

#### **Urban Design Stream**

- History and Theory of Urban Space Design courses
- Urban Design and the Development Process courses
- Design Process Theory courses
- Culture and the Building Environment courses
- Landscape courses
- Statistics courses
- Urban Geography courses
- Urban Economics and Development Finance courses.

#### **Engineering Stream**

- Structural Design courses
- Building Technology courses
- Advanced Building Physics
- Technology of Conservation courses
- Advanced Geotechnics courses
- Infrastructural Design courses
- Computer Applications courses
- Engineering Construction courses
- Environment and Economic Impact courses.

All streams have common mandatory courses in Building and Land Economics, Project Management, Building Legislation and Professional Practise.

#### **Postgraduate Programme**

The Faculty offers M.Phil and PhD. postgraduate degrees to local and foreign students.

#### **Research Programme**

Faculty staff regularly carry out research in several branches of learning including History of Architecture, Technology of Conservation, Project Management, Structural Analysis of Masonry Structures, Vernacular Architecture and Art History.

#### **Student Activities**

There is a very active student representative body in the Faculty which regularly organises public exhibitions of student projects, evening lectures

and architectural workshops, the most recent being the Fort Manoel 1998 Workshop of EASA which saw the participation of some 400 students from different European countries. Students regularly participate in Student Exchange Programmes which enable them to follow six month study periods overseas, particularly in accredited American Schools of Architecture.

#### **Administration and Staff**

The Faculty employs 15 full time and a varying number of part-time academic staff. In addition it contracts a substantial number of visiting lectures.

- Dean of Faculty  
Denis De Lucca
- Head of Department of Architecture and Urban Design  
Denis De Lucca
- Head of the Department of Building and Civil Engineering  
Alex Torpiano
- Director of the International Institute for Baroque Studies  
Denis De Lucca
- Director of the Institute for Masonry and Construction Research  
Alex Torpiano
- Head of the Art Unit  
Mario Buhagiar
- President of SACES  
Edric Micallef

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# The Academy of Architecture, Urban Planning & Design, and Landscape Architecture

A department of the Amsterdam School of Arts

## Amsterdam

Waterlooplein 211  
1011 PG Amsterdam  
Tel. : +31 20-622 0188  
Fax : +31 20-623 2519  
Email : info@bwk.ahk.nl  
www.academievانبouwkunst.nl  
Application : 1 May  
Tuition fees : 1.020 Euro

## Maastricht

Tongersestraat 49a  
6211 LM Maastricht  
Tel. : +31 43-321 9645  
Fax : +31 43-325 2493  
Email : acbwmtr@wxs.nl  
www.academievانبouwkunst.nl  
Application : 1 May  
Tuition fees : 1.020 Euro



## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
Architecture	Ing.	4 yrs part time	Register of Architects	1st degree Arch.	135	60%
Urban Planning & Design	Ing.	4 yrs part time	Register of Urban Planners & Designers	1st degree UP&D	45	20%
Landscape Architecture	Ing.	4 yrs part time	Register of Landscape Architects	1st degree L.Arch	45	20%

### The profession

The practice of spatial design is currently subject to major changes. The briefs are becoming more complex and are determined by an increasing number of external factors. The position of the designer becomes a more marginal one, and more and more specialists influence the final result of the design. The designer is a juggler between art and technology. Architecture is influenced by changes in the social fabric. Technical, economical and infrastructural developments determine the future of our towns and thus the meaning of the buildings within these. An important characteristic of this century has been the ongoing redefinition of this meaning which gave rise to the identification of many and varied architectural trends. Nowadays architectural practice involves much more than just designing buildings. In a fast developing world it is important for the designer to be aware of developments around him.

At present, instead of one particular style or doctrine, students find a rich tapestry of viewpoints, which challenges them to find their own position within the profession. The Academy goes along with this multiformality by offering the students a rich variety of tutors with hands-on experience. The tutors themselves set the design briefs from which the students make a choice. This enables the students to rapidly (re-) search their own way and position in their professional field. The design projects differ greatly in terms of scale and complexity but are characterised by their affinity with the requirements of contemporary design. By combining projects and lectures the Academy trains students to become broadly oriented and versatile architects, meeting

today's requirements of wide employability.

### The Academy

Starting from this perspective the Academy offers a programme of study, which is open and sharply focussed on the current state of the profession. Architects, urban planners/designers and landscape architects are educated in a constant interchange between the disciplines. The search for widely usable design strategies, which transcend the various disciplines, is an essential aspect of the training given. The regularly changing tutorial staff carries out an ongoing review of the structure and content of the courses in relation to the theoretical and practical developments within the disciplines. The employment of only freelance tutors coming from the field of design and research, enables the institute to annually select a tutorial staff that can capitalize on the demands which both designer and institute are currently facing. The Academy offers full time post-graduate training for holders of a degree in architecture, building engineering, landscape engineering, urban planning & design, etc. The courses combine study with working in the field. One half of each course consists of design training in the evenings at the Academy, the other half consists of work experience to be gained by relevant part time employment. This combination of design education and practical experience provides graduates with a diploma which fully complies with the European directives for international professional practice and which provides access to the National Register of Architects, Urban Planners/designers and Landscape

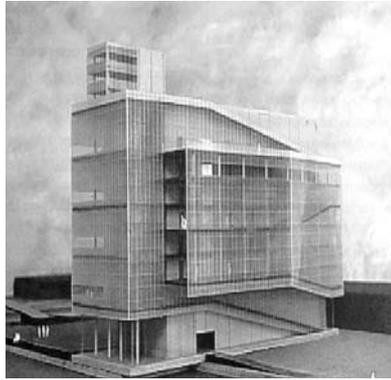
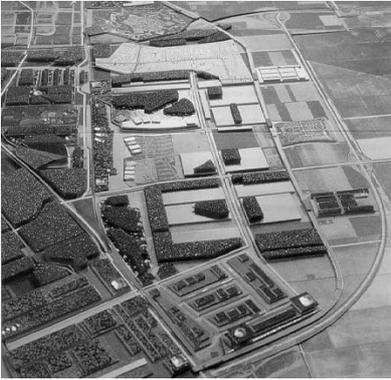
Architects. For almost a century the Academy has upheld a tradition of education for designers by designers. The first courses were organised in 1908 by the architectural society 'Architectura et Amicitia'. In 1916 the association 'Academie van Bouwkunst Amsterdam' established the Academy as we know it now. In 1987 the Academy merged with several other art academies in Amsterdam and the Amsterdam School of the Arts was born. In 1993 the Academy known as the Department of Architecture was joined by the Academy of Architecture in Maastricht.

### Amsterdam

The Academy is situated in two adjoining historic buildings on the Waterlooplein in the heart of the city. The Architecture Centre Amsterdam (ARCA) is located in the same complex and this is no coincidence. The Academy has its own place in the cultural life of the city. National and international activities such as public lecture series (Capita Selecta), workshops with metropolitan themes, exhibitions and other events, are organised on a regular basis besides its normal programme of education. Some of these events are organised in conjunction with ARCA. The purpose of these activities is to offer the students and tutors of the Academy a place of their own in the discourse between the spatial design disciplines.

### Maastricht

This Academy is relatively small and offers a course in architecture only. As it is located in one of the oldest cities of The Netherlands and within striking distance of Germany and Belgium, it can offer an education which is individual, rich in cultural context and internationally oriented.



The Academy offers students the opportunity to specialise in restoration architecture.

#### The courses

The Academy offers courses in Architecture (Amsterdam and Maastricht), Urban Planning & Design and Landscape Architecture (Amsterdam only). This makes it the only institute for higher vocational training in The Netherlands where all three design disciplines are taught.

#### Educational programme

All courses are divided into four periods:

##### Basic skills (year 1)

Students on all three courses get to know the different disciplines by means of a number of design projects, lectures and practical assignments. All activities are centred on the development of the students' creative powers and analytical thinking.

##### Developing professional knowledge (year 2)

During this period the students on each course are offered a programme which is aimed at developing professional knowledge of their own discipline.

##### Deepening professional knowledge (year 3)

This period is designed to further deepen professional knowledge and students are stimulated to establish their own position within their professional field.

##### Graduation (year 4)

The students conclude their studies by producing an individual design, thereby showing that they are capable of practising as independent designers in their chosen discipline.

#### Ateliers

The course work in the second and third year takes the form of an 'atelier' under the direction of a senior lecturer, a professional designer of (inter) national repute with a specific view on the profession. At the start of their second year students are invited to indicate under which senior lecturer's supervision they would prefer to pursue their training during the following two years. Detailed information on all courses and their contents is given in the 'Studiegids', the guide to the educational programme of the Academy, which is issued annually at the beginning of term in late August.

#### Study workload

The annual programme of study runs for a period of 42 weeks, during which the students are expected to spend a minimum of twenty hours a week on their study. They spend two evenings and the whole of Friday working at the Academy on the various projects, lectures and practical assignments. As part of their training, students are obliged to work in their professional field for a minimum of 20 and a maximum of 32 hours per week.

#### Semesters

The academic year is divided into two semesters during which the regular programme of studies is completed. This programme consists of design projects, lectures and practical assignments. After both the first (January) and second semester (May/June) workshops, excursions and other activities are organised, as well as the regular exams. International exchange projects normally take place during these periods. For the workshops, intensive study projects of short duration (one week), renowned designers from The Netherlands and abroad are invited to come and teach.

For third year students a 'winter term' is organised in January. During this four-week period of intensive study, the students carry out a design assignment on four evenings and all day Friday each week.

#### Management and tutorial staff

The educational management team comprises the director, the three heads of department and the co-ordinator of studies.

The Academy does not employ any tutors on a fixed contract. The tutors (over 200) work on a freelance basis and are invited to lecture and to supervise projects or practical assignments on the basis of their specific expertise.

#### Facilities

The Academy possesses a multimedia library with an extensive specialist book collection and numerous periodicals in the fields of architecture, urban planning & design and garden- and landscape architecture, a large collection of charts and a video library unique in The Netherlands. Besides a modelling room, students can make use of the Internet facilities

as well as the CAAD studio which is specifically geared towards IT-design, three-dimensional imaging and animation.

#### Publications

The students' final year design projects are presented annually in the graduates' exhibition catalogue. The 'Bulletin' of the Academy of Architecture provides students, staff and tutors with detailed information about the courses and informs them of any new developments at the Academy.

Interesting results from the educational programme or other activities are also published from time to time.

#### Admission requirements

Admission to the courses is restricted to those who have previously obtained a first degree in architecture, building engineering, landscape engineering, urban planning & design, etc. Degrees obtained at a foreign institute of higher education or university are compared with the admission requirements for each discipline by the NUFFIC, the Netherlands Organisation for International Co-operation for Higher Education. Every student is expected to have sufficient command of the Dutch language to effectively participate in the programme of education. In exceptional circumstances students, who do not fulfil the normal entrance requirements, may still be admitted to the course if they successfully complete an assessment procedure for which they have to be nominated by the Academy.

#### Selection

Admission to the course is granted after a selection procedure for which applicants have to carry out a simple design assignment and submit a written explanation of their reasons for wishing to attend the course.

#### Application

Applicants are informed in writing whether they fulfil the admission requirements and are eligible for the selection procedure. Once selected, details of the official enrolment procedure of the Amsterdam School of the Arts are sent in due course. op of the previous page.

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# Delft University of Technology

## Faculty of Architecture

Berlageweg 1, 2628 CR Delft  
 P.O. Box 5043, 2600 GA Delft  
 Tel. : (31) 15 2786098  
 Tel. : (31) 15 2785690

<http://www.bk.tudelft.nl>

Application deadline : may  
 Tuition and fees : 1.395,83 euro for students from EU/EER member states  
 5.900 euro for students from other countries



### Degree programmes

Degree/Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
Bsc-Architecture	3 year		VWO or equivalent	-	-
MSc-Architecture	2 year	Register of architects	BSc-Architecture	780	65
MSc-Building Technology	2 year		BSc-Architecture	96	8
MSc-Urbanism	2 year	Register of urban planners	BSc-Architecture	108	9
MSc-Real Estate & Housing	2 year		BSc-Architecture	216	18

### General information

Delft University of Technology is the largest, oldest, most complete university of technology in the Netherlands. For more than 150 years scientists and students have worked here on the most modern developments in the field of technology. The Faculty of Architecture derives its uniqueness from this long tradition and from the broad orientation in the field of study. It offers academic education and carries out research in the field of building and the built environment. It has established a reputation in training architects and planners. Honorary doctorates have been awarded to P.J.H.Cuypers, H.P.Berlage, P.Verhagen, J.J.P. Oud, G.Th. Rietveld, W. van Tijen, A.E. van Eyck, R.Piano and S. Calatrava. The Faculty of Architecture is the largest Faculty of the Delft University; it has approximately 3.300 students (30% of whom are female and approximately 300 are foreign-exchange students).

### Curriculum

The curriculum focuses on design and research in the field of building and the built environment, with emphasis on the integration of design, research and technology. Characteristic of the study is its wide scope and content of subjects. Foreign students who want to apply for admission must have a diploma which qualifies them for enrolment at a university of technology in their country of origin. Mathematics and physics are basic requirements for admission as a student at Delft University of Technology. The language of instruction during the Bachelor programme is Dutch. The Master programme is taught both in English and in Dutch. Teaching materials such as lecture notes are in Dutch and/or English. As soon as September 2006

the entire Master course will be fully taught in English.

### Facilities

The Faculty of Architecture is situated on the Delft University campus near the historic city centre of Delft, which is famous for its eighteenth-century architecture. Owing to its central position Delft has played an active role in the history of the Netherlands, not only in science (Anthonie van Leeuwenhoek) and culture (Hugo de Groot and Johannes Vermeer), but also because it was the residence of the first Prince of Holland Willem van Oranje. The Faculty of Architecture houses all the facilities needed for teaching and research. It has a 'study centre' for self-study, a library with 41,000 titles and subscriptions to numerous periodicals, a slide library, a map archive containing a great variety of topographical maps, a fully-equipped CAD studio, a modelling-workshop, a laboratory for product development where students can build prototypes, and a physics laboratory to test models by means of simulated external influences.

### Educational programme

The programme comprises of two phases: a three-year (6 semester) Bachelor of Science degree (BSc.) and a two-year (4 semester) Master of Science (MSc.) degree.

### Bachelor of Science

In Delft students acquire their basic knowledge during the Bachelor's programme, including courses which are part of the university-wide institutional package. The development of design skills is central to the programme: a semester-long integral design-project forms the core of the six semesters where the knowledge and skills taught in other programme-

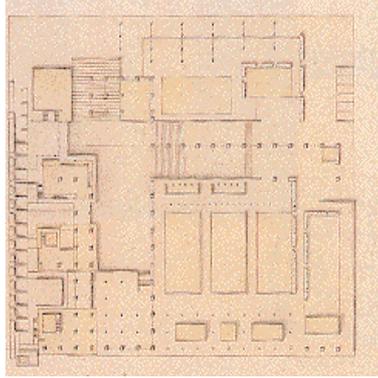
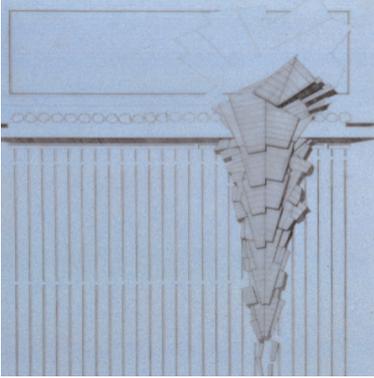
elements (fundamentals of Architecture, Technology, Media, Management) are applied in the design-process. The final sixth semester offers an elective programme oriented at orientating the student to one of the specialized Master programmes. A successful completion of the Bachelor grants admission to the four Master of Science programmes of the Faculty. Additional admission requirements can be needed if one chooses to apply for a Master programme in a university other than the DUT.

### Master of Science

The four Masters are: Architecture, Building Technology, Real Estate & Housing, and Urbanism. Each specialisation offers one or more programmes and electives, culminating in a final project and finally leading to a Master of Science degree.

Within the programme of the MSc.-Architecture students are offered a range of choice between four integrated courses and elective courses. These courses are run by the five chairs in the department of architecture in which design is taught. The programme provides a large degree of flexibility in the first year of the MSc within an ordered curriculum including the possibility to spend up to one semester at a partner university of TU Delft (second semester). The options also include courses in landscape architecture, building technology and the history of architecture. Architectural design is central to the architecture specialization. In the first semester the student enrolls in the programme of his/her choice out of four:

1. Urban Architecture
2. Interior Architecture; Knowledge and experience of space



### 3. Restoration and Renovation

#### 4. Architecture and Modernity; Dwelling and Public Building

The second year (MSc.3 and MSc.4) are organised in laboratories. These are studios focusing on a specific theme. Generally the location and overall problem area will be defined by the team of course teachers. In the first part (MSc.3) students work on aspects of this overall problem. Students carry out this work in small research groups while devising an individual design problem statement for their final thesis project. The second semester (MSc.4) is dedicated to this final project which typically will be a complex design task, including the material realisation of the architectural proposition formulated in the design problem statement.

The MSc-Building Technology specialization focuses on the design of elements, components en (sub)systems of structures in relationship to each other and the architecture of a given building or building-complex. In order to 'engineer' the materialization of the design the programme aims to study and research the technological parameters leading to a design. Students specialize in constructions, materials, and environments. Their final projects materialize in labs that are related to the research themes formulated for Building technology: BLOB-ICT, ZAPPI&Retrofitting, and Environments.

The MSc-Urbanism specialization centres on urban and regional development including landscape architecture and ecological planning in relation to social issues. The programme builds on a unique urbanistic tradition that has been able to develop in the Netherlands. In the first two semesters a mandatory programme focuses on technical aspects in Design & Technology and on societal and political aspects in Design and Strategy. In the following year three final project-labs are on offer.

The MSc-Real Estate & Housing specialization is aimed at design, development and management processes of the built environment and urban areas. It is focussing on the lifespan of real estate in the broadest sense and deals with its complexity in ethical, cultural, societal, functional, technical, economical, legal, organisational and computational terms through the phases of initiative, preparation, execution and use. The first semester

is mandatory for all RE&H students and outline the general field of the discipline. From the second semesters onwards three distinct programmes are on offer: Project Management, Real Estate Management, and Housing

#### Post graduate programme

Research is indispensable for analysing, understanding and solving design issues in a technical, formal and spatial sense. Research is also a precondition if education is to remain vital and up-to-date. The faculty offers a four-year course for trainee research assistants (AIO), leading to a doctorate degree (equivalent to PhD). After a selection procedure, trainee assistants participate in the faculty research programme.

#### Research programme

The different Master programmes are directly linked to the research-portfolio of the faculty. The Faculty of Architecture has four domains and research themes for Urbanism, Architecture, Building Technology and Real Estate & Housing: research, design and research-by-design (at three levels of scale; U, A, Bt), plus the aspect of the functional, technical and economic lifecycle of the building stock (RE&H.) Design plays a part in each domain, but not always with the same level of intensity. In both Architecture and Urbanism, nearly all research is design-related. The power of the Building Technology portfolio lies in its combination of design with such classic fundamental engineering-sciences disciplines as building physics, mechanics and structural engineering. The portfolio of Real Estate & Housing contains mainly traditional research methods combined with design research. The research programmes of Architecture and Urbanism are part of the Delft School of Design, in collaboration with the Berlage Institute. The research of Building Technology and Real Estate & Housing is connected with the research-portfolio of other faculties in Delft. The objective of DELFT SCHOOL FOR DESIGN, FACULTY OF ARCHITECTURE, design methodology, design research, research by design (DSD/FoA) is to provide a stimulating scientific environment for high-grade design-oriented research in the fields of Architecture and Urbanism.

#### Student activities

The student association Stylos is actively involved in matters concerning the curriculum; it also establishes contacts with the professional world and organizes many extracurricular activities. Stylos has been awarded the 1998 Maaskant prize for its continuous and stimulating approach to architecture and urbanism, aimed both at students and the professional world.

The jury report explicitly mentioned the restoration of the servants' house 'De Koepel' of Duiker's Zonnestraal sanatorium, the publications 'hundred years fin du siècle', 'The critical landscape', 'Unplugged' and 'Underground Building', the symposium 'Synergy of form and structure', the lecture series on 'Corporeality' and 'The invisible in architecture' and Renzo Piano's lecture. Since 1985 students have organized the yearly Indesem workshop, held alternately in Delft and abroad. It is a week-long event during which international students and practising architects meet to exchange ideas and information. The week comprises of workshops, lectures and other activities. The Archiprix Foundation is a collaboration between higher educational institutions in the Netherlands in the fields of architecture, planning and landscape architecture. Archiprix organizes annually the judging, awarding and presenting of the best graduation projects from the participant institutions.

#### Administration and staff

The faculty employs 70 full-time and 200 part-time scientific staff. In addition, it contracts many visiting lecturers.

Dean of the Faculty of Architecture:

Prof. H. Beunderman

Vice Deans

Prof. C. van Weeren

Chairman of the Architecture specialization:

Prof. L. van Duin

Chairman of the Building Technology specialization:

Prof. dr. M. Eekhout

Chairman of the Urban Design & Planning specialization:

Prof. dr. H. Meyer

Chairman of the Real Estate & Housing specialization:

Prof. H. de Jonge

■

University of Technology  
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Fax : ++31(0) 40 - 2452432  
Email : baub@bwk.tue.nl  
HTTP : //www.bwk.tue.nl

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## Degree programmes

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Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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### General Information

The Faculty of Architecture, Building and Planning of the Eindhoven University of Technology was founded in 1967. 55 Professors and associate professors are affiliated with the faculty. There is a total of 140 academic staffmembers for education and research. Furthermore there are 46 members of the technical and educational staff who assist in education for the main disciplines and specialisations.

The faculty had 375 first year students in 1999/2000. 1450 students are enrolled in total.

The faculty offers education in a wide range of specialisations in the field of architecture, building and planning. An emphasis is placed on the integration of design, science and technology. The curriculum mainly consists of two educational systems. On the one hand, a system that focuses on design in studio-work and design-projects, and on the other a system involving the acquisition of knowledge of, and insight into various skills and disciplines by means of tutorials and lectures.

The faculty has the following main objectives:

- Science and technology are launched in creative design-processes that are meant for useful purposes.
- Recognition of the special responsibility for education and research to contribute to sustainable building in a broader perspective. Stimulating society

by developing innovative concepts of (town)planning.  
- Training building-engineers who are skillful at multidisciplinary co-operation.

### Facilities

The Faculty of Architecture, Building and Planning is situated in the Eindhoven Technical University quarter nearby the railway station. In 1890 Eindhoven had about 4500 inhabitants. Now it has around 200,000. Eindhoven is a young industrial town in the south of the Netherlands (province North Brabant) with an enormous high-tech industrial potential, especially known for the multinational electrical firm Philips, the plant for the production of trucks DAF, and several other advanced technology plants. Eindhoven has a large inner city with shops and pedestrian pathways, cultural attractions like the City Playhouse, the Van Abbe Museum for exhibitions of modern art, and numerous restaurants and bars. Facilities of the faculty are the library with a rich collection of books and magazines, computer laboratories with advanced computer-applications as Virtue Reality and CAD, a model work-place and Enthescoop and an experimental research laboratory.

### Educational Program

The main disciplines or specialisation's within the field of architecture, building and planning offered in Eindhoven are as follows:

Structural design  
Building physics (including building services)

Building technology  
Architecture  
Urban Design and Town Planning  
Real-Estate Management  
Construction techniques  
Building-related computer technology (ICT in Architecture, Building and Planning)

### Title and admission

Successful completion of the programme gives graduates the right to the title of engineer (Ir.), the Dutch equivalent of a Master of Science degree. Students who specialise in Architecture or Urban Design & Town Planning can be officially registered as Architect or 'Stedebouwkundige' (the Dutch name for the discipline focusing on the synthesis of Urban Design and Town Planning). Six-year pre-university education called VWO ('Voorbereidend Wetenschappelijk Onderwijs') is required for admission to the university. Graduates from a polytechnic have admission to a three-year programme.

### Course description

The five-year full time programme comprises two phases: the foundation phase (one year) and the Master's phase. In the foundation phase the student is taught the basic disciplines, skills, and also the fundamentals of design in studio-work focusing on architecture, building technology, and urban design. All courses and projects are compulsory.

The Master's phase is based on the principle of the interaction between specialisation and generalisation.



*In the second year and third year:* module general education in architecture, building and planning; module specialisation within one of the main disciplines.

*In the fourth year:* generalisation by emphasis on multidisciplinary work and integration in team design, a professional traineeship, and skills in communication and management;

*In the fifth year:* specialisation in the final project within one of the main disciplines offered by the faculty.

**Postgraduate Program**

The faculty offers a four-year course for research assistants (AIO), leading to a doctorate degree (equivalent to PhD). After a selection procedure assistants participate in the faculty research programme.

The two year postgraduate design engineer programme Architectural Design Management Systems (ADMS) trains professionals who are capable of designing adequate process designs and strategies for complex architectural plans and are able to supervise their implementation in practice.

The entire study programme lasts two years. The study programme consists of two refresher trimesters, three trimesters with programme courses, and a design project lasting nine months.

**Research program**

The world of the building sciences is to create an environment of the highest achievable performance for people and businesses to attain their goals. By definition, the performance of the built environment and its constituent components is dictated by a series of physical, economic, technological, social, psychological and cultural values. It means that the planning, design, building and maintenance of the built environment involves the application of theories, guidelines, models and knowledge from many different disciplines, ranging from the technical sciences to the social sciences. The research programmes of the faculty of building and architecture in general aim at developing such knowledge for the respective disciplines and integrate this knowledge in courses, student projects, computer models and the

like. The policy of the faculty has always been to hire specialists, trained in other disciplines than architectural design but with considerable interest and exposure in building, along with architects and urban designers. By bringing together a multidisciplinary team of experts, the faculty aims at developing innovative and relevant research programmes and projects.

**Research at the faculty is organised in programmes in the field of:**

- Structural design
- Building physics
- Building technology
- Architectural and Urban Design
- Urban Planning and Management
- Housing and Real-Estate Management
- Design and Decision-Support
- Systems in Architecture and Urban Planning

**Student activities**

The faculty has its own student-association, called Cheops. The aim of this association is to encourage contacts between students. It organises foreign study excursions, the faculty introductory week for new students, party nights, drinks, sports tournaments and various other sports and fun activities. Besides that it sells studybooks at cut prices. All specialisations have their own sub-associations.

**Administration**

Dean:  
 Prof. Dr. H.J.P. Timmermans  
 Director of Education:  
 Dr. Ir. K. Doevendans

# The Rotterdam Academy of Architecture and Urban Design

A department of the Hogeschool Rotterdam

The Rotterdam Academy of Architecture and Urban Design  
 G.J. de Jonghweg 4-6  
 3015 GG Rotterdam  
 Tel. : +31-10 - 241 48 55  
 Fax : +31-10 - 241 48 56  
 internet: www.avbr.nl

Application deadline : 1 May  
 Tuition fees : 1.250 Euro



## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
Architecture	Master in Architecture	4 yrs part time	Register of Architects	Bachelors in Architecture	114	76%
Urban Design	Master in Urban Design	4 yrs part time	Register of Urban Planners & Designers	Bachelors in Urban Design	36	24%

### General Information

The Rotterdam Academy of Architecture and Urban Design offers master courses in Architecture and Urban Design. The qualifications comply with Dutch Law governing Architecture Degrees and are taught in accordance with the European Directive for Architects.

The Rotterdam Academy of Architecture and Urban Design is an integral part of the Rotterdam Institute for Building, Architecture, Civil Engineering and Urban Development (RIBACS), a faculty of the Hogeschool Rotterdam (Rotterdam University of Professional Education). The Academy is located in the city of Rotterdam, in the neighbourhood of the Dutch Architectural Institute (Nai). The historic building interior of the school has been recently renovated by two former students of the Academy.

Master courses are organised to the principle of concurrency. Students work four days a week for an architectural, urban planning/landscape or engineering office and attend classes on Fridays and two evenings a week. The two courses Architecture and Urban Design also provide the opportunity for specialisation in public-housing, focusing on living and the programmatic aspects of design assignments.

### The Master Programme Concurrency Study

A characteristic feature of the courses at the Rotterdam Academy is the combination of study with working in the fields of Architecture and/or Urban Design. This combination of education and professional training,

where the student's job activities are considered an essential part of the study, is called 'concurrency study'. In this respect the Academy courses are different from university courses. Students are expected to work for 24 to 32 hours a week at a relevant job within the field of architecture or urban planning whilst engaged upon their studies. This combination of practical experience and design education proves very fruitful.

### Ateliers

A second important characteristic of the Rotterdam Academy are the so called 'ateliers'. These are design studios which integrate didactical methodologies, technical, functional and compositional exercises, tutorials and excursions. This approach with its variety of didactic methods (like technical and compositional exercises, workgroups, lectures and excursions) results in an integrated programme best served by an atelier approach. The activities are not merely focused on making things but on reflection as well; the design activities are interspersed with theoretical study. This is not exclusively directed at design skills. Important areas of focus are developing the correct attitude, gaining new insights and learning to determine one's position in professional practice. This is why students spend two-thirds of their study time in ateliers. Each atelier counts at most some fifteen students.

The ateliers are run by senior lecturers. Senior-lecturers and lecturers are all professionals working in the field, having their offices in the Rotterdam area. In this way students are confronted with designers of

(inter)national reputation who often have firm ideas and methods.

The themes of some ateliers, which are a fixed part of the course, are sometimes decided by outside organisations. Considering themes and assignments from outside organisations enriches the subject-matter of the ateliers and enhances their social and cultural relevance.

Compulsory and optional ateliers  
 The subject matter dealt with in the ateliers takes in different fields of work covering certain sorts of architectural and urban design.

Students have a certain amount of freedom in opting for ateliers but two-thirds have to be taken in accordance with the student's field of work. For the remaining third, students are free to choose.

### General education programme

In addition to the ateliers there are lectures and laboratory sessions. The lectures are theoretical whereas the laboratory sessions are aimed at developing skills. The general educational component is up to all years. Finally, activities are organised which are not part of the mainstream educational programme which are termed extra-curricular. These may be lectures, workshops, or excursions but may also extend to international activities.

### Graduation year

The final year of study is called graduation year. Students are allowed to enter the graduation year if they have completed the work stipulated for the first three years. In practice this means that they have gained the required number of study point form their academic course and work period.



In the graduation year students spend a great deal of their time on their final thesis. Students are free to choose a subject for their final thesis which should prove that they are capable of practising as an independent architect or urban designer. Students no longer participate in ateliers in their final year. However, they do continue to follow the general educational program.

#### Working in the field

The courses are offered by the Rotterdam Academy in accordance with the principle of concurrency study, which means that the study and job activities undertaken by the student are equally important. The work activities will also be assessed both qualitatively and quantitatively. The total number of study points that can be gained is equally distributed between the study and the job activities. The work undertaken must be relevant to the study and must be allied to building and designing. This should be termed work placement rather than a work practice period, as students receive proper salaries, have a contract and are subject to the regulations of a collective labour agreement. Frequent contact between the Academy and work is essential. The professional committee plays a role in keeping the employers in touch with the Academy. The Academy also confronts students with the options they will be faced with while working in the profession. By offering a number of educational activities like a lecture on professional profiles, their professional experience can be used as a model to show students how they can choose between an architectural and urban work-profile.

#### The Archiprix Foundation

The Archiprix Foundation is a collaboration between higher educational institutions in the Netherlands in the fields of architecture, planning and landscape architecture. Archiprix organises an annual competition for the best graduation projects in the fields of architecture, planning and landscape architecture. The plans submitted to the Foundation represent the state of affairs in Dutch architecture. The Archiprix Foundation is in charge of the organisation of the competition and subsequently the judging, awarding of the prizes and the presentation of the projects



Details of the study programme  
The length of the study programme at the Rotterdam Academy is four years which can be extended by a maximum of two years. The academic year is 40 weeks long; the study week is 21 hours for study in addition to working in the profession. In total the annual study load is 840 hours and the annual work load 840 hours; a total of 1680 hours.

#### Admission and placement

It should be born in mind for the selection procedure that students are expected to have acquired the greater part of their knowledge and skills in previous courses on a bachelors level. They must be already familiar with building techniques and constructions; they should be familiar with functional and programmatic requirements as well as being knowledgeable about compositional characteristics and architectural history within its cultural context. During the course students are taught how to apply this knowledge to the complex activity of designing.

The admission and placement of foreign candidates is arranged on the basis of an assessment of a portfolio of their work. The NUFFIC, the Netherlands Organisation for International Co-operation for Higher Education is responsible for accrediting foreign diplomas. In order to gain accreditation you will need to send copies of your official diplomas with the stamp and signature of the institution.

The language of instruction is Dutch. For this reason it is absolutely essential to have full command of the Dutch language, in order to follow regular courses. There are no special classes in which the language of tuition is English.

There is also an opportunity to study for six months or longer as a guest-student on contract-basis. If you apply for this option we will advise you on the study modules open to you based on the level of work presented in your portfolio and your previous qualifications. Guest-students do not necessarily have to be in part-time employment with an architectural, urban planning/landscape or engineering office.

Unlike in the lectures and tutorials it is not essential to speak Dutch for atelier work. However, as the number of students is limited regular students will have priority.



If you have good commands of the Dutch language and get good results as a guest student then you could continue your studies as a regular student. This will mean finding a job in an allied field and having the required under-graduate qualifications.

#### Foreign candidates

Candidates from inside the European Community need a residents-permit to study as a regular or a guest-student.

For candidates from outside the European Community it is only possible to take part as a guest-student, for which only a residents-permit is required. As a regular student they should need a residents-permit and a working-permit, because of the combination of study and working in the field. Just yet it is not possible to get both permits at the same time.

#### Staff and lecturers

The staff comprises the dean, two coordinators for Architecture, two coordinators for Urban Design and secretaries of the departments plus a co-ordinator for external affairs. The Rotterdam Academy does not employ any lecturers on a fixed contract. All lecturers (more than 200) work on a freelance base.

Dean:

Zef Hemel

Secretary staff:

Noël Relker

Jos Bosma-Mensinga

Marije van der Kraan

#### Study workload

An annual study load is 40 weeks of 21 hours. The lessons are on Monday, Tuesday and Thursday evenings, and on Friday the whole day.

#### How to apply

Application forms are available from the offices. Admission takes place each term. For the first term that starts at the beginning of September your application must be reached before one May. To be admitted to the 2nd term that starts at the beginning of February your application form must reach us before one December. All correspondence on admissions should be addressed to the office of the Academy on the location you have chosen.

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# Oslo School of Architecture

## Architecture-Urbanism-Industrial Design

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 Pb 6768 St. Olavs plass, 0130 Oslo  
 Tel. : +47 22 99 70 00 / Faks: +47 22 99 71 90  
 Email : postmottak@aho.no  
 www.studieadm@aho.no



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### Short history

The Oslo School of Architecture was established directly after World War II as a "crisis course" for students of architecture who were unable to finish their degree due to the outbreak of the war. Prior to this, the only Norwegian option for obtaining an architectural degree was at The Norwegian Polytechnic (NTH) in Trondheim.

All through the first half of the twentieth century, many architects worked hard towards the establishment of an architectural school that was more esthetically and academy-oriented than a polytechnic education. The school was located in Oslo, since it was generally felt that the capital had access to many of the nation's best practicing architects.

In the beginning, the architectural course was part of The Norwegian Arts and Crafts School, SHKS.

In 1961 The Oslo School of Architecture was established as an independent school, and in 1968 with the St. Olav street location.

In 1979, the first formal education in industrial design in Norway was offered as a two-year postgraduate course. A full degree program was established in 1983, and in 1989 this program was placed under the direction of The Norwegian Arts and Crafts School. Then, in 1996 the Institute of Industrial Design became part of the Oslo School of Architecture.

During the fall of 2001, the school moved to its present location along the Aker River, Maridals vn. 29.

#### Internationalization

AHO is an internationally orientated institution

- both education and research draw from an international network of contacts and information
- as an active member in a number international exchange programs (Sokrates and Nordpluss) and through exchange and cooperation with various schools and organizations.
- through a teaching staff that has an international background as well as international contacts and experience.

AHO is a distinct and autonomous institution within the Norwegian university system. Aho is regarded as one of the leading Nordic schools and research institutions within the field of urbanism, architectural and industrial design.

The pedagogical profile is based on an academic tradition with studio-based project work.

#### PhD

The doctoral program covers three years of fulltime study. Most candidates combine the PhD study program with practice, teaching or other research work. AHO has candidates in the PhD program within Architecture, Industrial design and Fine Arts.

AHO has candidates from Asia, Africa and Eastern Europe.

#### Master of Architecture

The normal time of study is 5,5 years. The first two years have a mandatory study program. The next six semesters consist of a main course and one theme course each semester. Every

term offers a variety of choices in each category.

The main course is based on project and problem oriented studio work. The theme course is theoretically based. The last semester consists of an individual diploma project evaluated by three external examiners.

The Master degree is the required formal education to practise architecture within the EU. It is also the basis for future Ph.D. studies. The degree also functions as a door opener for job possibilities in other fields.

#### Master of Industrial design

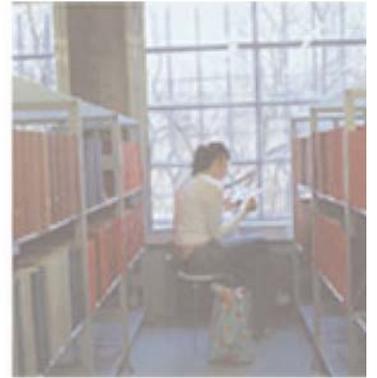
This program is a 5 year course.

Parts of the first semesters are held in conjunction with the program in Architecture, and the first three years all have a mandatory study program.

The following semesters are based on project work and theoretical seminars. Projects are both in the field of product design and interaction design. Market and economic forces in design process are themes taught in these programs. A Master of Industrial Design is finalized with a diploma project which is judged by external examiners.

#### Postgraduate specialist diploma

Master in Urbanism and Master of Computer Related Design are programs of 1,5 year study, or 3 years part-time study for applicants who have been practicing in a related field for a number of years. There are special criteria for these programs.



### Admission

All applicants must take a two step practical entrance exam which tests the applicants capabilities for comprehending form, space and construction. Prior requirements to this exam are an upper secondary education. Since 2001 it is also possible to apply on the basis of practice in a relevant profession.

The competition to be awarded a place in the school is tough because there are up to 20 applicants per student place. It is possible to transfer to AHO after 3 years of study in another institution, but these places are also very limited.

Some courses are held in English, but it is recommended that students from outside Scandinavia learn Norwegian before starting a full time study at AHO.

### International network

AHO is an internationally oriented institution, and therefore reviews its qualitative level of education in relation to leading institutions of education in architecture, urban design and industrial design.

The network between the schools of architecture in Sweden, Finland, Denmark and Norway are active. This is especially true on the Ph.D. level. AHO is a member of The International Laboratory of Architecture and Urban Design, and has exchange programs with several European and some American, Asian and Australian schools.

AHO has a pedagogical focus upon a conceptual design approach. This curriculum also includes the traditional subjects of architecture, urban design and industrial design.

### Common Functions

AHO has an excellent library that has been systematically built up around serving the needs of the institution's research and educational programs. AHO has a "workshop" profile in its pedagogical approach. With the move to the new location in 2001, the school has invested heavily in workshop capacity from advanced machines in "rapid tooling" and "rapid prototyping" to traditional material workshop halls for full-scale building. Over the past ten years AHO has systematically invested in the expansion of its computer education. AHO is

now able to offer high level student facilities and state of the art teaching in this area.

The move to the new location has made it possible for the school to be far more integrated into the activities of Oslo in general.

### Weekly international lectures

A gallery open to the general public. In addition the school is now able to host a number of public events directed towards various professional groups.

### Departments

AHO is divided into four departments  
 Department of Architecture  
 Department of Urban Design  
 Department of Industrial Design  
 Department of Form, Technology and History (covers specific areas of education within architecture and design)

In addition AHO has its own postgraduate research program, and is in the process of establishing a research institute, which would include external project development.

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Undergraduate in Architecture and Urban Planning	B.A.	8 semesters,	full time	high school + admission examination	60
Graduate in Architecture and Urban Planning	M.A.	10 semesters, full time	after 3 years of guided practice and exam: Architects or Urban Planners Chamber	high school + admission examination	120 (800 total)
Postgraduate in Urban Planning & Space Management	-	2 semesters,	part time	M.A.	30
Doctoral studies in Architecture and Urban Planning	Ph.D.	8 semesters, part time	State Register	M.A.	15

### General Information

The Gdańsk University of Technology, the oldest university in the North of Poland, was established in 1904 as the Royal High Technical School (Königliche Technische Hochschule) which was the first academic school in Gdańsk with about 700 students. Between the First and the Second World War, when Gdańsk had the status of a Free City, the University was developing dynamically and the number of students rose to 1700, of which 35% were Polish in the peak year. After the Second World War, on May 24, 1945, the University was transformed into a Polish state academic school. Its restoration after the war demolition started immediately. Currently the Gdańsk University of Technology is the biggest technical school of higher education in the North of Poland. There are 17000 students, studying at 10 faculties, with 2400 employees including 1100 of academic teachers. The University cooperates with 70 foreign academic centres. Courses of Polish language for foreign students are also offered. The Faculty of Architecture will celebrate in two years the 100 years anniversary of starting its activity and 60 years anniversary of Polish state academic school.

The Faculty provides students with interdisciplinary knowledge combining both technical and non-technical (humanistic) subjects. Architectural and urban design is taught with

respect to social, cultural and environmental context and implications.

### Facilities

The Faculty of Architecture is situated in the main building of the old University campus surrounded by park. Canteens, clubs, shops are available as well as the University Sports Centre. The University's Main Library offers over 1 million volumes and about 5000 periodical titles. The Faculty Library contains books and periodicals about domestic and foreign architecture. The central Computing Centre provides the computer rooms for staff and students as well. The Faculty Computing Centre provides computer room for students of Architecture. The University also provides accommodation for students. Students are offered two- and three-beds rooms with bathrooms in student's hostel close to the University campus.

### Educational programme

The main M.A. study course at the Faculty of Architecture takes five years. Starting from 2002 the B.A. study course of four years is offered, which can be supplemented by two years to obtain M.A. degree. Main fields of education and research cover: Architecture (including: Housing Architecture, Architecture of Public Buildings, Industrial & Marine Architecture; Health Service Architecture), History of Architecture (incl.

conservation and revalorization of historical buildings), Sustainable Design and Landscape Architecture, Rural Architecture and Planning, Town Planning and Urban Design (incl. conservation and renewal of urban structures), Regional Planning, Drawing, Painting and Sculpture, Descriptive Geometry, CAD, GIS. The educational and research activities are carried out in the following units:

- Department of Housing Architecture
- Department of Marine and Industrial Architecture
- Department of Rural Architecture and Sustainable Design
- Department of Health Service Architecture
- Department of Public Utility Architecture
- Department of Regional Planning
- Department of City Development
- Department of Drawing, Painting and Sculpture
- Department of Building Technology
- Department of Town Planning and Urban Design
- Department of Architecture History and Conservation of Historic Monuments
- Division of Visual Techniques
- Photography Studio.

During summer students participate in different workshops including: building, painting, rural design, historical



monuments survey, urban design and pre-diploma workshops in professional architecture offices. Students prepare their diploma projects during the 10th semester and have to pass the final examination. For English-speaking students the SOCRATES programme for international student exchange is offered. The Faculty cooperates with several European academic schools in Germany, Latvia, Lithuania, Ukraine, the Netherlands, Sweden and Spain.

#### **Postgraduate and doctoral studies**

The one year postgraduate course of Town Planning and Space Management is offered for professional architects and graduates from other faculties of university level schools, which entitles, after a period of practice and examinations, to a Ministry recognised professional position. The Faculty of Architecture also possesses the rights to award the Ph.D. degree in Architecture and Urban Planning. Since 2001 the doctoral studies are also offered.

#### **Admission**

To become a student of the Faculty of Architecture the candidates have to pass an exam, which includes: mathematics, foreign language, and specific skills (drawing, three-dimensional imagination and other abilities necessary for this profession).

#### **Students' activities**

The National Association of Students of Architecture (OSSA) has its divisions at the different faculties of architecture in Poland and is organizing workshops, trips and happenings for students all over the country. Students' Art Circle (SKA) founded in 1998 supports all artistic events at the Technical University of Gdańsk and has many sections, such as theatre section or film section and many others. Students' Tourist Circle (TXA) organizes scientific trips and visits to museums and galleries of art.

The students of the Faculty of Architecture with the other faculties actively participate in Neptunalia - the greatest students' event in the Northern Poland, held in May every year. Together with this event, there is also a spectacular happening organised by the students of architecture.

It is called The Architecture of Sand and it takes place on the sandy beach

near Gdańsk. Here everybody can use all imagination and architectural knowledge to create the unique building out of the sea sand. The Days of Architecture are also organized every year.

#### **Administration Staff:**

Dean:

prof. Andrzej Baranowski,  
architect, phone +48 58 347-23-15,  
e-mail abara@pg.gda.pl

Vice-dean:

Marek Gawdzik, Ph.D., architect,  
mgawd@pg.gda.pl

Vice-dean:

Jadwiga Kiernikiewicz-  
Wieczorkiewicz, Ph.D., architect,  
e-mail: jakwie@pg.gda.pl

Administration Manager:

Krystyna Gozdawa-Nocon, M.Sc.,  
e-mail: kgoznoc@pg.gda.pl

Academic Staff:

Teachers (total): 110, including:  
Professors: 16 (5 full professors),  
Academic teachers with Ph.D. degree:  
55

Technical Staff:

20

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# The Silesian University of Technology in Gliwice

## Politechnika Śląska w Gliwicach

Faculty of Architecture  
ul. Akademicka 7  
44-100 Gliwice, POLAND  
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Fax. : + 48 / 32 / 237 2491  
E-mail : archidz @ zeus. polsl. gliwice. pl  
www.polsl.gliwice.pl



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Number of students admitted
Undergraduate in architecture and urban planning	Inżynier architekt (architect engineer)	7 semesters, full time		Secondary (high school) education + admission exam	78 (179 total)
Graduate in architecture and urban planning	Magister inżynier architekt (Master in Architecture)	10 semesters, full time	After 3 years of guided practice and exam:		115 (750 total)
Graduate in architecture and urban planning	Magister inżynier architekt (Master in Architecture)	4 semesters, full time	State Register; and since 2002 Architects or Urban Planners Chamber	Undergraduate certificate	32 (52 total)
Postgraduate in monuments of architecture conservation	-	2 semesters, part time		MA Diploma	28
Doctoral studies in architecture and urban planning	Doctor of Philosophy	8 semesters, part time	State Register	MA Diploma	20

### General Information

The Silesian University of Technology is one of the biggest and complete University of Technology in Poland (30.000 students). It was established in 1945 after the II world war in Gliwice. The Faculty of Architecture is one of 13 faculties of the University. Gliwice is one of the oldest and biggest cities in the Upper Silesian Agglomeration. The urban surrounding of the city is a characteristic mixture of residential, industrial and post industrial areas dominated by steel works and coalmines. Silesian Agglomeration comprise 15 cities localised in close urban area – 1000 km<sup>2</sup> – inhabited by approximately 2,3 mln. peoples, located one hour by train from Cracow the historical capital of Poland. The Faculty of Architecture emerged from Civil Engineering Faculty in 1977 and is continuing the fine tradition of the Lvov School of Architecture. Now is one of nine schools of architecture in Poland. It offers academic education in the fields of architecture and urban planning. It has approximately 1000 student (40% of whom are female).

The main goal of the tradition of School of Architecture in Gliwice was creativity within boundaries of rational design. The tradition continues today with much more emphasis on practice as a part of education. The most of the academic staff within the Faculty not only teach but practice architecture and/or urban planning as well.

The study is full or part time courses. The curriculum focuses on designing and research in the field of creation friendly environment for people life in buildings and urban space. It gives students a wide scope and content of knowledge about architecture, its history and aims in creation of people life quality. The five year program consist of about 3600 hours (lectures, tutorials, seminars and design classes) as well as summer vacation practices.

The exam in architecture skills is basic requirement for admission as a student at the Faculty of Architecture in The Silesian University of Technology. Usually this exam is organised in June. Lectures and classes are generally given in Polish, but

all forms of education training are available to foreign students.

### Facilities

The faculty of Architecture is situated in the main campus of the Silesian University of Technology in Gliwice near the historic city centre. The Staff and students have access to facilities as seminar rooms, drawing and sculpture ateliers, a library with books, periodicals, topographical maps, and a fully equipped computer studio. The faculty has its own students' hostel offering one-, two-, and three-beds rooms and a sport centre. In vicinity are located: canteens, shops, pubs, clubs, park and University Sports Center.

### Education programme

The main study course at the Faculty of Architecture takes five years and it is Master of Science (MSc) degree course. Students acquire their basic knowledge during ten semesters. Teaching is based on problem-based learning in theory, designing and technical sciences referring in architectural design. Process of teaching is scheduled in fifteen-week semesters

in which basic problems are resolved in practical lessons incorporated into a design exercise.

The student chooses the specialisation on the tenth semester and prepares the diploma work in: architectural designing, revitalisation or restoration of architectural monuments, urban designing and regional planning.

Five different Departments cover complete scope of architectural education:

1. Department of Urban and Country Planning, is involved in following issues:
  - Urban Planning & Design
  - Landscape Architecture
  - Dwelling Urban Complexes
  - Town Centres
  - Regional Planning
  - Revitalisation of Urban Areas
2. Department Architectural Design carries lectures and designing classes in:
  - Architecture of Public Buildings
  - Housing and Residential Building Design
  - Industrial and Commercial Architecture
  - Recondition of Old Industrial Buildings
  - Ergonomics in Architecture
  - Inner Architecture
3. Department of Architecture and Design Methodology is involved in teaching of drawing, of special kind of function and the problems of technique in architecture, as following:
  - Energy Saving Buildings
  - Buildings for Transport Systems
  - Architectural Composition
  - Buildings and Techniques in Architectural Design
  - Drawing, Painting and Sculpture
4. Department of History and Theory of Architecture, is involved in teaching:
  - History of Architecture
  - Conservation of Historical Monuments
  - Psychology of Architecture
5. Department of Office Buildings Architecture and Design Strategy teaches:
  - Office Buildings Designing
  - Facility Management in Architecture

Most of mentioned issues are obligatory for every student.

The faculty co-operates with several European academic centres in the Netherlands, Germany, France, Sweden, Spain, Czech Republic, Norway, Ukraine and Great-Britain. Actually the faculty runs co-operation within the frame of Socrates - Erasmus Programme with partners from 4 countries. Is also involved in the EAAE programme ENHSA European Network of Heads of Schools of Architecture.

#### Postgraduate programme

The Faculty offers two courses of postgraduate studies as follows:

- Conservation of Historical Monuments (two semesters)
- PhD course for research assistants (four years)

At present, 47 doctor's theses are being carried out in the field of architecture and urban planning. The candidates prepare their research work at the Faculty or outside the University. They come from the Silesian University of Technology as well as from other Polish and foreign universities.

#### Research programme

Research activities of the Faculty comprise:

- historical and preservation studies
- environmental psychology
- theory and methodology in architecture
- facility management in architecture
- quality assessment in architecture
- programming (briefing) in architecture
- restructuring of industrial areas and conversion of old industrial objects
- location studies for economic activity
- environmental aspects in town and country planning
- studies on functioning of urban planning
- arts in architecture
- computer-aided designing in architecture and urban planning

The Faculty organises periodical international conferences to the topic Theory & Practice in Architecture (Rybna near Katowice) and others symposia and workshops.

#### Student activities

The student associations organise many extra activities in field of education, scientific projects and cultural events.

Students take part in special competition to distinguish the best diploma works organised yearly by SARP (the Association of Polish Architects) and TUP (the Association of Polish Town Planners). There are also numerous competitions with awards founded by industrial companies as well as international competitions for students. In the last three years the students of our Faculty were awarded about thirty time in international competitions.

#### Staff and Administration

The faculty employs 120 academic staff. The full - time professors are: Prof. Janina Klemens PhD, DSc, Prof. Nina Juzwa PhD, DSc, Prof. Adam Lisik PhD, DSc, Prof. Elzbieta Niezabitowska PhD, DSc, Prof. Andrzej Niezabitowski PhD, DSc, Prof. Jacek Radzewicz - Winnicki PhD, DSc, Prof. Jacek W\_odarczyk PhD,DSc, Prof. SUT Jerzy Witeczek PhD and Krzysztof Gasid\_o PhD, DSc. Janina Klemens PhD,DSc - Prof. of the SUT

Dean of Faculty of Architecture:

Prof. Nina Juzwa PhD, DSc

The Vice Deans are:

Prof. Jacek Radzewicz -Winnicki PhD,DSc, Jerzy Witeczek PhD and the Vice Dean for Students Affaires is Krystian Stangel PhD.

■

# Warsaw University of Technology

## Faculty of Architecture

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00-659 Warsaw, PL.  
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(+48 22) 660 52 24,  
fax : (+48 22) 628 32 36, 660 71 72  
e-mail : dziekan@arch.pw.edu.pl

<http://www.arch.pw.edu.pl>



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture and Urban Design	Magister inżynier (equivalent to an MSc)	5 years	Ministry of Education + entrance exam.	secondary school	850
Architecture and Urban Design	Inżynier architekt (equivalent to a BSc)	4 years	Ministry of Education + entrance exam.	secondary school	360
Architecture and Urban Design	Magister inżynier architekt (equivalent to an MSc)	1 year	Ministry of Education and Urban Design	BSc in Architecture	60
	Doktor nauk technicznych (equivalent to a PhD)	varies		MSc in Architecture or related disciplines	50

### General information

The Faculty of Architecture is one of the largest faculties of Warsaw University of Technology, with a total student enrolment of about 1250. The student-faculty ratio is very advantageous with an academic staff of 140, including 25 professors, many of whom are nationally recognised architects with considerable creative achievements. This is also one of the largest schools of architecture in the country, established in 1915 and originally housed in the Warsaw School of Fine Arts. Since 1916 it has been located in an eclectic, turn-of-century building in the central area of Warsaw.

Prominent graduates of the faculty include the famous architects Maciej Nowicki, Stanisław Noakowski, Bohdan Pniewski, Romuald Gutt, Barbara and Stanisław Brukalski, Jerzy Hryniewiecki, Jan Bogusławski, Oskar Sosnowski and Helena and Szymon Syrkus. These and other graduates have contributed to the development of modern architecture and planning, as well as to the establishment of the Polish School of Preservation and Conservation. The „Warsaw School” of modern architecture, which developed between the wars, may be characterised by its creativity within the boundaries of rational design and this tradition is carried on today.

### Facilities

The Faculty building provides an environment of facilities and resources that support and facilitate the student's academic process. Apart from standard lecture halls, design studios and classrooms, students are offered: a computer laboratories (48 terminals for students) and drawing, painting, sculpture and modelling rooms. Students have access to a large faculty library (45 000 volumes) networked with the general university library computer system and the Internet. In the Faculty building there is also the Faculty Club that serves as a centre for student activities, architectural bookstore that offers books of the most significant architectural publishers, draughtsmen's shop, exhibition halls and gallery and historic drawings archive; academic staff offices and rooms for the Student Self-Government. A new Virtual Environment Laboratory was opened in 2002 with additional 15 terminals for students and high performance computing systems. Low-cost accommodation and meals are available for students in the University dormitories located close to the University Central Campus.

### Admission

Candidates to the Faculty are accepted on the basis of a two-part written evaluation, comprising a test and drawing. The evaluation is designed to examine the candidates' skills in sketching and geometry, their inte-

rests in architecture and fine arts, as well as their spatial imagination and creativity.

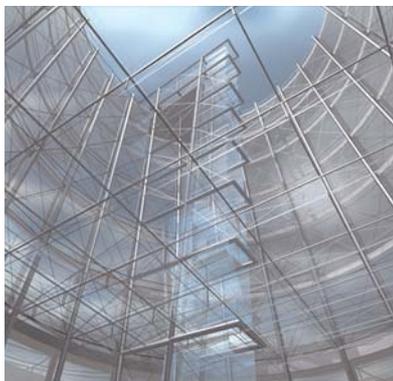
The selection procedure results in very low percentage of students' drop-outs (less than 5%).

### Educational Programme

The Faculty of Architecture offers the following courses of studies in Architecture and Urban Design:

- Graduate studies (10 semesters) leading to the degree „magister inżynier architekt” (MSc),
- Undergraduate studies (8 semesters and a half year of professional practice) leading to the degree of „inżynier architekt” (BSc),
- Postgraduate programme leading towards „doktor nauk techn.” (PhD),
- Graduate complementary studies (1 year for BSc degree holders)

Also, The Faculty offers 2-year part-time postgraduate studies in the Preservation of Historical Buildings and Monuments and Urban Design and Physical Planning for practising professionals. The education of masters and bachelors of architecture in broad terms comprises of the teaching of design from small industrial forms and interior designs, via houses, neighbourhoods, landscaping; educational, recreational, retail and multi-use facilities; public and industrial buildings, service areas, open sport areas and parks, to urban, rural and regional design.



Subjects at the Faculty of Architecture, apart from design, are complemented by the following supplementary topics:

- the theory and history of architecture, urban form and fine arts,
- technical basics ( mathematics, mechanics, structures, building technology, building services, physics of buildings, technical infrastructure),
- basic economics (the economics of design and investment process, management, building legislation),
- social and natural sciences ( ecology, sociology, psychology, philosophy, culture, professional ethics),
- fine arts (drawing, painting, sculpture, computer graphics),
- workshop techniques (engineering drawings, modelling, computer aided design),
- sports and elective foreign languages.

The first two years of the course are common to all students and are intended to provide background in the related sciences and an introduction to architectural, structural and services aspects of smaller building design. Students, from their third year of study have the opportunity to choose their design tutor, and, a gradually increasing number of elective subjects according to their individual predispositions. This is stated in the optional curriculum offer, comprising a four-path study option:

Architectural Design, Urban Design, Modernisation and Interior Design. Students studying towards the MSc degree prepare their diploma projects in the tenth semester. The project, and the knowledge gained throughout the course of studies, are presented to the examination board during the public final examination. The academic year is divided into two semesters of 15 weeks each: winter (October 1 - February 10) and summer semester (February 20 - June 30).

#### Course offer for foreign students

The Faculty of Architecture, WUT offers the course unit of 1 semester taught in English. The course programme has been specially designed for international exchange students expected to register for the study period in the framework of SOCRATES scheme, but students from

non-partner universities are also encouraged. The course will be opened only if there is a minimum enrolment of 15 students. The course programme is on the level of 5th/6th semester (3rd year) and it includes, apart from design projects, courses which can be described as the most characteristic for the „Warsaw School of Architecture". This includes: elements of urban composition, free-hand drawing and visual communication, conservation and adaptive reuse, history of urban form and Polish architectural tradition, multimedia presentation. The participating teaching staff has wide experience in teaching in English through active involvement in, lasting already several years, cooperation with the University of Detroit Mercy, USA. The Faculty of Architecture, WUT has implemented ECTS into the study program for international students. Apart from credits (pass or fail) the grading scale is used to assess the quality of students' work. Tuition fee for students from non-partner universities is 1500 US\$/semester.

#### International cooperation

The Faculty is a member of a few European educational associations (EAAE, ECAADE, AESOP) as well as in the USA (ACSA, ACADIA). Students of architecture have opportunities of studying, for a year or a semester, at various architectural schools with which the Faculty cooperates. Students exchange within SOCRATES scheme are carried with 17 European universities in Belgium, Denmark, Finland, France, Germany, Italy, the Netherlands, Spain, Sweden and the UK. Also, the student exchange program between the Faculty of Architecture, WUT and the School of Architecture, University of Detroit Mercy, USA has been carried since 1980. Annually, ten students plus one teacher from both schools have the opportunity to study and to teach for a semester at the partner university.

#### Student activities

The most prestigious and important part of students' activity is their involvement in the Faculty policy and decision making. Elected representatives of the Students' Self -Government are members of the Faculty Council with the right to submit their proposals and to vote in academic and social matters.

Students of architecture exchange their ideas by regular publications of articles in the student section of monthly „Architektura - Murator" journal. Students of the Faculty of Architecture, WUT are widely involved in all activities of European Architecture Students Assembly (EASA) through organisation and participation in domestic as well as international workshops and happenings, participation in international student competitions. Another important sphere of student activities are workshops and study trips organised annually to Italy and Egypt as well as visiting international exhibitions on architecture and building technology.

#### Research

Faculty research activities are linked to the University, national research organisations, as well as international programmes. Faculty members are actively engaged in the research which results in various professional publications. The scientific research policy at the Faculty of Architecture gives precedence to the following fields:

- the fundamentals of architect. design,
- new design methods and techniques,
- housing, housing management,
- new structures, building technology and building services,
- historical research, conservation and adaptation of monuments, modernisation of buildings and urban complexes,
- the restructuring of rural settlements,
- environmental protection,
- town and country planning and management.

#### Administration

Dean:

Prof. Maciej Kysiak, PhD, DSc  
e-mail: dziekan@arch.pw.edu.pl

Vice-Deans:

Prof. Stefan Westrych, PhD

- Associate Dean,  
Prof. Zygmunt Hofman, PhD, DSc

- Academic Affairs,  
Malgorzata Rozbicka, PhD

- Student Affairs - Faculty  
International Coordinator  
e-mail: dziekstu@arch.pw.edu.pl  
Roman Wrzosek, PhD

- 2-Cycle Studies  
e-mail: rwrzosek@arch.pw.edu.pl

## Wrocław University of Technology

### Faculty of Architecture

Prusa 53/55  
 50-317 Wrocław, Poland  
 Tel. : +48 (0) 71 320 62 30 / 320 62 08  
 Fax : +48 (0)71 321 24 48  
 E-Mail : dziekanat@arch.pwr.wroc.pl  
 http://www.arch.pwr.wroc.pl

Application deadline : 15 th June  
 Tuition and fees : none for the degree students  
 3500 zł (870 EURO) per semester for the guest students  
 Calendar: Academic year : first semester (15 weeks, October – January), second semester (15 weeks, February – June)



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Branch: Architecture and Town Planning Specialization: - Architecture - Preservation of Buildings	M.Sc.Eng.Arch.	5 years	Accreditation by Order of Architects after 2 years of architectural practice and national examination	high school+ admission examination	230 per year (total 1150)
Branch: Spatial Economics Specialization: -Spatial Planning Landscape Architecture	M.Sc.Eng.  Dipl. in specialized studies in landscape architecture	5 years  2 years		high school+ admission examination M. Sc.Eng.Arch.+ curriculum	40 per year (total 200) 25 per year
Urban and Spatial Planning	Dipl. in specialized studies in urban and spatial planning	2 years		M.Sc.Eng.Arch./ M.Sc.Eng.+ curriculum	25 per year
Doctoral Studies	Ph.D. Dr in applied sciences: Architecture	4 years		M.Sc.Eng.Arch./ M.Sc.Eng.+ curriculum and research subject	5 per year

### General information

Wrocław, the capital of Lower Silesia, is a city over 600 thousand people, rich in remarkable works of art and architecture. Founded in the year 1000 as a bishopric, in 1241 received the status of the civitas. It is located on an ancient trail linking the West and South with the major cities of Eastern and Northern Europe; it belonged to the union of Hanseatic Cities. Wrocław had a very turbulent history and centuries of Czech, Prussian and German rules had left many monuments and works of medieval, baroque and modern art. Renown as one of the university centers of Poland, dynamically developing capital of the province is the place where every year many festivals and fairs take place. The Faculty of Architecture at Wrocław University of Technology was established in 1945, continuing the fine tradition of the Lvov and Warsaw schools. The main goal of that tradition was creativity within the boundaries of rational design. This tradition continues today with much more emphasis on practice as a part of the education of young architects. All professors within the faculty, not only teach but practice

architecture as well. The five-year program consists of about 3,700 units (lectures, tutorials, seminars and design classes) as well as summer vacation practices. Students will be required to present and successfully defend the designs of their projects. Depending on the field on study (Architecture and Town Planning or Spatial Economics) a student is awarded the degree of Master of Science of Engineering in Architecture (Architecture and Preservation of Buildings) or Master of Science of Engineering (Spatial Planning).

### Facilities

The Faculty of Architecture is situated near the historic city center and green area. The building dates from the beginning of the 20 th Century. There are many ateliers and classrooms in the Faculty of Architecture. The computer studio (CAAD programs, Internet), photo laboratory, architectural library (with app. 10000 titles) are freely accessible by the students. Besides the specialized library attached to the Faculty of Architecture, there are also other facilities of the Wrocław University of Technology (main library, sport facilities, cafeteria

etc.), which provide services for the students.

### Educational programme

The study within the branch of Architecture and Town Planning (specialization: Architecture, Preservation of Buildings), and Spatial Economics (specialization: Spatial Planning) provides a full intellectual and professional development of the students and allows them to gain the high level of theoretical and practical knowledge necessary to practice the profession of architect on various posts.

The substantial and organizational structure of didactic program was made according to the rule of controlled selectability of subjects based on credit points while, at the same time, maintaining the rational individualization of the study and subjectivity of the student and his or her predisposition and interests. The primary aim of such assumptions is to approximate the program to the contemporary, worldwide trends observed in didactic of high education institutions, what will enable a closer co-operation with foreign architectural schools.



The basic branch of Architecture and Town Planning knowledge is augmented by equally important auxiliary subjects, such as general construction engineering, drawing, painting and sculpture, building mechanics and descriptive geometry, this latter being necessary for all University of Technology graduates. Students begin their creative development with the fundamentals of architectural and town-planning design. They first design structures with a simple function, subsequently moving on to the principles of designing structures more complex in function and space. These are usually single-family town or country houses, multi-family apartment buildings, public utilities, department stores, schools, libraries, churches, industrial areas and buildings. Students are also introduced to the issues of rural and regional architecture. They plan shopping centers for small and big towns and study the specifics of interior design and architectural details.

Instruction relating to the history of architecture and preservation of historical buildings covers several subjects. They are: the theory and history of architecture and town-planning, cultural environment protection, history of art and technology. Spatial Planning is a new specialized area taught at the Faculty of Architecture. The main types of activities that are involved in this field include: analyzing settlement systems and their functioning, establishing the needs of residents and the resulting goals to be reached, working out spatial development plans and implementing those plans. The following specific fields are subsumed under the general heading of spatial planning: town and settlement planning, regional planning, rural planning, preservation and rehabilitation in urban areas, spatial planning methodology, and computer-aided spatial planning systems. Social, economic, environmental and technological problems related to spatial planning are also studied. It is possible to choose general education in the area of Spatial Planning or to direct one's own sub-specialization, e.g. computerization of planning, grounds management, environment protection or spatial planning theory.

A period of the study at the Faculty of Architecture covers 10 semesters. The last semester is reserved for diploma work. The didactic program

expressed in hours is composed of two parts: obligatory, fixed part (about 80% of total hours) and facultative part matched to individual interest of the student (about 20%). The program is governed by the fixed amount of credits points, which the student must collect till the graduation before the diploma work. The basic didactic form (course) is the training in design work, which makes the theoretical and practical synthesis of gradually acquired knowledge. The design is an obligatory course in the framework of such subjects as architecture, town planning and conservation. Within the whole program of the study, the student is obliged to credit the courses related to the mathematics, humanistic/ management and informatics/ physics disciplines. During the whole study, the student is obliged to design and complete 7 full-scale architectonic projects, 6 town-oriented designs, 2 conservation designs, 1 study design and 1 complete design study on the subject are assigned. The facultative courses are those, which the student may choose from offered package according to the individual interests in order to wide the knowledge or improve the practical experience.

#### Research programme

The variety of scales and times in which an architect works is reflected in the structure of the faculty. Research activity is carried out in the following units of the Faculty of Architecture:

- Institute of Architecture and Town Planning:
  - wide scope of projects - from interior designs to town planning complexes
  - analysis and expertise in town planning
  - theoretical research
- Institute of History of Architecture, Art and Technology:
  - archaeological research
  - research into theory
- Chair of Spatial Planning and Chair of Town Planning:
  - revaluation of urban space
  - problems of bio-urban town units
- Chair of Housing Design:
  - designs of single- and multi-family buildings
  - pro-ecological architectural dwellings
  - humanization of housing complexes

- Chair of Drawing, Painting and Sculpture:
  - coloration and facture treatment in architecture
- Division of Preservation and Rehabilitation of Architecture:
  - research into medieval architectonic-archaeological architecture
  - contemporary fortifications
- Division of Environmental Development:
  - landscape architecture
  - protection and shaping of the environment
- Division of Building Structures:
  - structural analyses of the building
- Division of Building Science:
  - techno-economic analyses of building construction investment
- Division of Descriptive Geometry:
  - geometrical representation and analyses of the buildings' structure.

The research studies are published in "Architectus" - the architectural periodical of the Faculty of Architecture.

#### Student activities

All forms of instruction and training are available to foreign students. The Faculty has many international contacts resulting in student exchanges, international practice and workshops in Germany, the UK, France, Spain, Finland and Denmark. Entrance examinations are held at the end of June. The basic examination requirements include passing marks for three different types of free-hand drawings, separately for architecture and for spatial planning.

Prizes and awards in student competitions: ACSA and UIA prizes, Carl E. Darrow Student Design Competition, DuPont Competition, SARP-Awards for the best diploma projects.

#### Administration and staff

The Faculty of Architecture employs 28 professors and 155 full-time teaching and scientific staff.

Dean of the Faculty of Architecture:  
Prof. Elzbieta Trocka-Leszczynska

Vice-Deans:

Prof. Stanislaw Medeksza  
Dr Romuald Pustelnik  
Dr Boguslaw Wowrzeczka

SOCRATES/ERASMUS Coordinator:  
Dr Maciej Hawrylak

■

# Lusiada University

## Department of Architecture Lisbon

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## Department of Architecture Oporto

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E-mail : info@por.ulusiada.pt

## Department of Architecture Vila Nova de Famalicão

Largo Tinoco de Sousa  
Vila Nova de Famalicão  
Tel. : 252 309 200  
e-mail : infor@fam.ulusiada.pt

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Places	Total expted (all degrees)
Architecture	lr	5	Register of architects	Secondary level concluded	Lisbon Oporto/ V.N. Famalicão	550
Recuperation Archeconic, and Urbanities Planning	lr	5	Register of Architects	Secondary level Concluded	Oporto Lisbon, V.N. Famalicão	400
	lr	5	Register of Architects	Secondary level Concluded	Lisbon Oporto, V.N. Famalicão	150

### General Information

The departments of Architecture of the Lusíada University, intend to affirm themselves as a place of education and cultural debate pledged in the formation and spreading on actualize currents of thought in that it concerns to the practical one and the form of new architects in Portugal, perfectly European and "citizens" of the World.

Is therefore constant concern of its faculty to new platforms of cultural and professional debate that allow a formation architectures in our urban, territorial and national picture. Incompliance with its concern of studies and inquiry. The Lusíada University still has functioning in the Departments of Architecture, Master courses of with the duration to two years.

The Departments of Architecture of the Lusíada University function in the headquarters of the Lusíada University, in Lisbon, and its extensions of the Oporto and New Village of Famalicão.

### Facilities

People who obtained the lr. Degree since 1990: 2944

Classrooms	76
Laboratories	10
Rooms of Computer science	10
Computers	345
Audiences	3
Libraries	3
European center Documentation	3
Media lab	3
Inquiry Centers	11
Institutes	10

### Description of the basic studies

#### Ano Disciplinas

#### Curso

1<sup>o</sup> Arquitectura I  
Desenho I  
Geometria Descritiva  
História de Arte I  
Cad / Tecnologias Digitais I  
Matemática

2<sup>o</sup> Arquitectura II  
Desenho II  
História de Arte II  
Cad / Tecnologias Digitais II  
Construções I  
Antropologia do Espaço I

3<sup>o</sup> Projecto I  
Antropologia do Espaço II  
Teoria da Arquitectura  
História da Arquitectura I  
Estruturas I  
Construções II  
Geografia Física

4<sup>o</sup> Projecto II  
História da Arquitectura II  
Estruturas II  
Construções III  
Geografia Urbana  
Urbanismo  
Sociologia  
Economia

5<sup>o</sup> Projecto III (Tese)  
Opção ARQUITECTURA  
Projecto  
Construções  
Planeamento Urbano  
Direito

Opção PLANEAMENTO  
Projecto  
Planeamento Urbano  
Planeamento Regional  
Direito

Opção RECUPERAÇÃO ARQ<sup>a</sup>  
E URBANA  
Projecto  
Construções  
Planeamento Urbano  
Direito



**Description of the advanced degree studies**

- Master in Theory of Architecture
- Master in Iconography of the Conceptual processes of Architecture and Design
- Master in Design Management
- Master in Edified Patrimony
- Master in Technology of Construction
  
- Posgraduation in Architecture and town diagnosis of space, shape and utility
- Posgraduation in Sustainable Construction
- Posgraduation in Architecture Studios Management
- Posgraduation in Intervention in the Land Scape
- Posgraduation in Imaginary of the Portuguese Architecture
- Posgraduation in Planning, Quality and Construction of Buildings
- Posgraduation in Refurbish, Renovation of Historical Centers
  
- Specialization course in Contemporary Architecture and Aesthetics
- Specialization course in Assessment of Buildings
- Training course in Arts
- Course in Patrimony Management

**Research Programme**

The research is resumed to an activity of our architectural labs in Lisbon, Oporto, and Famalicão.

**Administration and Staff**

Deans

- Phd Joaquim José Ferrão de Oliveira Braizinha (Lisbon)
- Phd Manuel Maria Diogo (Oporto)
- Phd Francisco Peixoto Alves (v.N. Famalicão)

Chairmen

- Phd Horácio Bonifácio (Lisbon)
- Arch. Alexandra Amorim (Oporto)
- Arch. André Santos (V.N. Famalicão)

Administration support and teachers: fulltime.

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# Universidade do Porto

## Faculty of Architecture

Rua do Cólgota, 215  
4150 - 755 Porto  
Portugal  
Tel. : +351. 2 609 92 34  
Fax : +351. 2 609 92 73  
www.arg.up.pt

Tuition and fees : 299 Euro

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements
Architecture	Architect Descriptive Geometry and Drawing	6	Register of architects	High School (including
M.Sc. Course in Environment Planning and Urban Project	Master	2	Register of architects	Graduate on Architecture or Engineering

### General Information

The reform of the education system in 1881 established the Fine Arts School of Oporto, thus separating the course from the Academy, but it didn't create an independent Architecture course, although it was in demand, was only established in 1911.

The education reform of 1932, foresaw the need for a better professional and cultural preparation for architects, and was followed by the education reform of 1957.

Teaching in the Oporto School of Fine Arts after 1967 resulted from a strong critical movement within the school that led to important changes in the 1957 education reform, resulting in the autonomy of the Painting and Sculpture Courses of The Fine Arts School of Oporto.

Once recognised the "importance and social projection of architecture as human activity and the increasing need to prepare professionals in Architecture with the sound scientific training usually associated with university learning", the Decree n° 498-F/97 established the Faculty of Architecture in the University of Oporto. An Instalment Committee was set up, in July 1982. This Committee was in office until March 1, 1988 when the new elected managing bodies were elected.

The Faculty of Architecture has approximately 820 students (47,1% of whom are female and 7 % of its students come from foreign countries), it confers the degree in Architecture, its main aim is training students to beco-

me critical and creative professionals. It participates in European exchange programmes such as Socrates, and has established contacts with universities in Brazil. The study is a full-time five academic years, and one practical training.

The curriculum emphasises on project and drawing. Foreign students who want to apply for admission must have a diploma that qualifies them for enrolment at a university, Descriptive Geometry and Drawing are basic requirements for admission. Lectures are given in Portuguese.

### Facilities

The Faculty of Architecture is situated in the University quarter near Campo Alegre. It has a library with 8000 titles, in the aims of Architecture, Arts, History of Art and Urban Planning and subscriptions to numerous periodicals. Students are not allowed to take books home. There is a Chart Room containing a great variety of topographical maps.

Available to students FAUP has also the following services: a CAD studio, a photocopy service, a photography laboratory, a book shop and a Cafeteria.

### Educational programme

The Compulsory Scientific Areas are: Architectural Project, Drawing, Geometry, History of Architecture, Construction and Urban Studies. The Optional Scientific Areas are: Landscape, Computer Aided Design, History of the Portuguese City, and History of Brazilian Architecture and City.

Practical training is for a full year. It

aims to train the student for the professional world, either by joining in the productive or research structures of the Faculty or through contracts of agreements established with public or private agencies.

International students are subject to the same rules as Portuguese students and FAUP use the ECTS (European Credit Transfer System) in its study plan.

1st year	ECTS
Annual courses	
Project I	20
Drawing	16
General Theory of Space	
Organisation	8
Spatial Anthropology	4
Geometry	12
2nd year	
Annual courses	
Project II	20
Architectural Design	8
Geography	4
History of Ancient and Medieval Architecture	8
Methods and Language for Contemporary	8
Introduction to Construction Systems	12
3rd year	
Annual courses	
Project III	20
Contemporary Urban Studies	4
History of Modern Architecture	8
Living Space and Residential Forms	8
Computer Aided Design	8
Construction Systems and Materials	12

4th year	
Annual courses	
Project IV	20
Urban Planning	4
History of Portuguese Architecture I	8
Structural Systems	8
Public Space and Facility Forms	8
Semestral courses	
Environmental Control	6
Network and Installations	6
5th year	
Annual courses	
Project V	20
History of Contemporary Architecture	8
Land and Urban Forms	8
Urban Economy	4
Semestral courses	
Urban Infrastructures and Networks	6
Pathology of Construction	6
a) Optional	8
b) Optional	8
a) Landscaping or Computer Aided Project	
b) History of the Portuguese City or History of Brazilian Architecture and Cities	
6th year	
Practical Training	60

**Post graduate programme**

The faculty offers a MSc course in Environment Planning and Urban project. The MSc had the duration of four semesters, the first two correspond to the circular course and the remaining two, to the preparation and submission of dissertation. The taught course comprises 16 hours per week during 25 weeks, distributed along several subjects and seminars/project. The course offers two options specialisation - Planing and Project.

In the aim of FAUP the doctorate degree (equivalent of PhD) can be obtained in the areas of: Architecture, Urban Studies, Drawing and Construction through a programme of research tutored by FAUP teachers. To apply this programme you must have a degree in Architecture with a mean rate of 16 (grade 0/20) or a very good curriculum, which may include a Master title.

**Research Programme**

The activities of R&D are integrate in a Centre of Research and Development called Centro de Estudos em Arquitectura e Urbanismo da FAUP (Studies Centre of Architecture and Urbanism of FAUP.

**Student activities**

The Students Association is in the old facilities of the School and has a stationer's shop, which is available to all FAUP students.

**Administration**

The faculty employs 65 full-time and 5 part-time scientific staff. In addition, it contracts many visiting lecturers.

**Representative Assembly**

Professor Rui Fernandes Póvoas

**Directive Council**

Professor Domingos Tavares

**Pedagogical Council**

Professor Francisco Barata

**Scientific Council**

Professor Nuno Portas

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## Universidade Moderna - Polo de Setúbal

### Department of Architecture

Universidade Moderna - Polo de Setúbal  
Estrada das Machadas de Cima  
2900 SETÚBAL (Portugal)

Tel. : 00-351-265-540700; Fax. 00-351-265-540701  
Email : sec.setubal@umoderna.pt

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	Full-time students
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#### General Description

##### Pólo de Setúbal of Universidade Moderna.

Created in 1989, Pólo de Setúbal has now 1250 students, a teaching staff of 120, (including 30 with a Doctor Degree and 30 with a Master Degree), and five Licentiate degree programs: Transport Engineering, Architecture, Business Management, Law and Applied Social Investigation.

Setúbal is an industrial, harbour and fishing town of circa 120 thousand inhabitants, 35 km South from Lisbon (20 minute ride by car), located by the shore of the estuary of the river Sado and between the outstanding natural reserve of the Arrabida mountains and the natural reserve of the river Sado. His monuments date as far back as the Roman Empire and its History plays an important role on the general History of the Country. Sport and seaside activities are steady, along with cultural events and dwelling facilities.

##### The Department of Architecture of Polo de Setubal

Created in 1996, the Department of Architecture of Setubal is now (October 2000) starting its fifth year of existence, with a group of 200 students and 27 teachers, six of which with a Doctoral degree and another five with Master degrees; 19 of them are practicing Architects.

The Department of Architecture of Setubal is a member of the European Association of Architectural

Education (EAAE) and is now starting protocols with European Universities on a SOCRATES / ERASMUS basis.

Through its "Centre of Studies on Architecture, Urbanism and Built Patrimony" (CEAUPE) it has already established relationships with local and regional institutions and authorities.

The scheduled licentiate degree duration is of five years plus a 9 month professional practice program followed by a final report and exam. Each grade has a duration of 35 weeks with a lecture/studio average of 28 hours per week. The 1st grade students are introduced to Architecture, mostly in what is related to form, space, composition, scale and dimensioning. The studio has the support of the Drawing, Geometry and Architectural Theories classes, where language, expression and architectural vocabulary are stressed, along with drawing, drafting and operative geometrical techniques (ergonomics, proportion, perspective, projective geometry and computer aided drafting).

Along with the practical exercises and the foundational theoretical classes, the students are also involved in study visits. At the same time monthly conferences on Architecture and related matters are held, featuring well-known Architects and Theorists. These activities are extended to the whole Department, in order to stress the relationship between entering students and the rest, and of course, the teaching staff. Being a small school of Architecture,

the Department has been achieving a very close relationship between students and teachers, which has been improving every year. The small dimension of the school has been enabling the achievement of a very solid relationship within the local community.

In the second and third grades materiality, construction and equilibrium are stressed. Along with human sciences (Geography, Social-anthropology) and technologies (Static, Structures, Materials and Construction), the Architectural Design studio (12 hours per week) is also supported by Architectural Theories, Art History, Landscape Architecture and Drawing. It's a two year program in which the student is invited to investigate, construct and develop specific architectural programs within and without urban environment, studying local traditional and update construction techniques and finally developing one project to its final detailed conclusions.

The 3rd cycle of the architectural program is fulfilled by the 4th and 5th grade as well as the 9 month architectural practice outside school. In the 4th and 5th grade, the 12 hour per week Architectural Design Studio are also supported by Urbanism, Economy, Building and Site Rehabilitation, Law and Management, along with Structures, Construction Technologies and History of Portuguese Architecture.

Being a regional cooperative institution the Department mostly receives

students from a rural and suburban environment. The teaching board is striving to build a kind of Architect who is very conscious of his local and regional insertion, with a strong skilled formation regarding creativity, technical capacity and human wisdom.

#### Plan of Studies in Architecture

(all courses are annual unless otherwise indicated)

##### 1st Grade:

Analytical Architecture (9H/week)  
 Drawing I (6H/week)  
 Geometry (3H/week)  
 Introduction to CAD (4H/week)  
 Theory and History of Architecture I (4H/week)  
 Anthropometry and Ergonomics (1 Semester, 2H/week)

##### 2nd Grade:

Architectural Design I (12H/week)  
 Drawing II (4H/week)  
 Geography (3H/week)  
 Technologies I (4H/week)  
 Theory and History of Architecture II (4H/week)  
 Static (3H/week)

##### 3rd Grade:

Architectural Design II (12H/week)  
 Landscape Architecture (3H/week)  
 Sociology (3H/week)  
 Technologies II (4H/week)  
 Theory and History of Architecture III (4H/week)  
 Structures I (3H/week)

##### 4th Grade:

Architectural Design III (12H/week)  
 Urbanism (3H/week)  
 Economics (3H/week)  
 Technologies III (4H/week)  
 History of Portuguese Architecture (4H/week)  
 Structures II (3H/week)

##### 5th Grade:

Architectural Design IV (12 H/week)  
 Urban Design (4H/week)  
 Site and Building Rehabilitation (3H/week)  
 Law (1 Semester 2H/week)  
 Design and Building Management (1 Semester 2H/week)

##### 6th Grade:

Practical Practice and Final Report (9 months)

#### Department Permanent Staff

Director  
 Prof. Luis Conceicao, Doctor Architect  
 Secretary  
 Prof. Luis Paixao, Dipl. Arch.

- Architectural Design Coordinator  
 Prof. Luis Conceicao, Doctor Arch.
- Technologies Coordinator  
 Prof. Vitor Lopes dos Santos, Doctor Arch.
- Urban Design Coordinator  
 Prof. Luis Afonso, Doctor Arch.
- Theory and History Coordinator  
 Prof. João Carlos Antunes, Dipl. Arch.
- Drawing and Arts Coordinator  
 Prof. Ana Tomas, Dipl. Arch.
- Humanities Coordinator  
 Prof. Jose Luis Alvarez, Master in Anthropology, Lawyer

#### Other Permanent Teachers:

- Architectural Design  
 Jose Carvalho, Dipl. Arch.  
 Jose Madrigal, Doctor Arch..  
 Bernardo Miranda, Dipl. Arch.  
 Luis Costa, Dipl. Arch.  
 Carlos Gracio Dias, Dipl. Arch.  
 Sergio Spencer, Master Arch.  
 Luis Paixão, Dipl. Arch.  
 Miguel Berger, Dipl. Arch.
- Drawing, Geometry, CAD and Ergonomics  
 Maria Jose Sardinha, Dipl. Arch.  
 Roque Bras de Oliveira, Dipl. Arch.  
 Miguel Berger, Dipl. Arch.  
 Jose Carvalho, Dipl. Arch.
- Theory and History  
 Rogerio Vieira de Almeida, Master Arch.  
 Fernando Baptista Pereira, Master Hist.
- Urban Design, Geography, Landscape and Planning  
 Luis Serpa, Dipl. Arch.  
 Nuno Cruz de Carvalho, Dipl. Landscape Arch.  
 Maria do Ceu Martins, Dipl. Arch.

- Humanities  
 Alexandre Borrego, Doctor in Economy  
 Jorge Goes, Lawyer  
 Joao Aldeia, Master in Economy
- Technologies  
 Alfredo Campos Costa, Doctor Engineer  
 Jose Candeias, Master Engineer  
 Maria do Ceu Martins, Dipl. Arch.  
 Manuela Tome, Master Arch.  
 Roque Bras de Oliveira, Dipl. Arch.

The Pro-Rector and Director of the Department of Architecture  
 Prof. Doutor Arq. Luis Conceicao  
 private e-mail:  
[lconceicao@mail.telepac.pt](mailto:lconceicao@mail.telepac.pt)  
 institutional e-mail:  
[luis.conceicao@umoderna.pt](mailto:luis.conceicao@umoderna.pt)

# Ion Mincu University of Architecture and Urbanism

18 - 20 Academici Street  
70109 Bucharest, Rumania  
Tel. : +40.1.6155482  
Fax : +40.1.3123954

www.iaim.ro

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Faculty of Architecture	Dipl. Architect				
Major in Building Design		6	National Commission of Accreditation	Admission Exam	1400
Major in Interior Design		5		Admission Exam	
Major in Industrial Design		5	+ Ministry of Education	Admission Exam	300
Faculty of Urbanism	Dipl. Urbanist	5	National Commission of Accreditation	Admission Exam	300
Major in Planning	B.A. Supervisor ("conductor")	5		Admission Exam	
Major in Landscape Architecture		3	+ Ministry of Education	Admission Exam	
University College	B.A. Supervisor ("conductor")	3	National Commission of Accreditation	Admission Exam	120
Building Design				Admission Exam	
Interior & Furniture Design	B.A. Supervisor ("conductor")	3	+ Ministry of Education	Admission Exam	
Urbanism					
Restoration	B.A. Supervisor ("conductor")	1			
School of Advanced Studies	Diploma M.Arch.	2	National Commission of Accreditation	Admission Exam	30 full-time
Advanced Programmes		2	+ Ministry of Education	Admission Exam	110 part-time
Master Programmes					
Post-Graduate Programme	Diploma	4 (full-time)			
Doctoral Studies	Ph. D	6 (part-time)			

### General Information

"Ion Mincu" University of Architecture and Urbanism in Bucharest is the oldest and most important academic institution in this field from Romania. IMUAU is a state institution that runs according with the legislation in force in Romania, specifically with the Education Act.

IMUAU is a complex academic structure, composed of different types of academic units: on the one hand, the Faculty of Architecture, the Faculty of Urbanism, the University College, and the School of Advanced Studies, on the other hand, the Design Departments and the Scientific Chairs. Courses are taught in Romanian, but limited instruction can be provided in English and French.

Permanently concerned to stay open to the new approaches in architectural education, IMUAU has significant involvement in the international debates on these topics through close relation with various associations, forums, architectural schools, etc. worldwide. IMUAU has an active role in EAAE/AEEA, the IAESTE, and the Working Group for the Architectural Education of the International Union of Architects. It also participates in the Convention of School of Architecture and Urbanism of

Southern France and Eastern Europe, European Association of the Students in Landscape Architecture, and has developed cooperation projects through TEMPUS, SOCRATES, and LEONARDO DA VINCI Programs, etc. with many architectural schools from France, Great Britain, Holland, Italy, Germany, Belgium, Spain, Portugal, Sweden, Republic of Ireland, Switzerland.

### Facilities

The building of IMUAU is sited in the historic center of Bucharest, comprising an ensemble in the Neo-Romanian Style (1902-1926), listed as monument of architecture, and two "modern" extensions completed in 1970. The University provides various facilities for both staff and students: lecture rooms, design studios, update computer laboratories, library, a gym, "Club A", a club administrated by Architect Students' Association; there are also other auxiliary units. The library is a remarkable asset. It is one of the richest in its kind from Europe. It contains over 197,000 volumes, of which 120,000 books and 51,000 periodicals, 26,000 doctoral dissertations, research works, photographic documents (projects, monuments, other non-book materials);

among them, 60 subscriptions to periodicals (43 foreign, 17 Romanian). The library boasts with a valuable collection of 550 rare books, among which 50 are of exceptionally rare patrimonial value.

### Educational program

The educational content observes some basic principles: the permanent revisitation of tradition, the relationship between architecture, city, and territory, between architecture, history and culture, the pragmatism of the architectural and urban practice, paralleled by a steady intellectual investigation of broader cultural issues. Consequently, the curricula are based on the study of disciplines that cover the following areas: architectural design, urban and regional planning, socio-humanistic culture, technical culture.

At the Faculty of Architecture, during the junior and sophomore cycle (the first six semesters), the disciplines (theoretical courses and design studios) are common to a large extent to the two Majors, and share several disciplinary fields with the Faculty of Urbanism. The lecture courses are surveys of the main architectural issues, they provide basic knowledge,

while in the design studios, the students become acquainted with the study of form and space and their representation, along with the basic "hands-on" training of the expressive means traditionally available to the architect. The design activities are managed by the Design Departments aided by the Chair of Representation and Interior Design. Once the Major chosen, student's choice is very reduced during the sophomore cycle: all credits are mandatory.

The senior cycle (the following six or seven semesters) is distinctly structured according to the two Majors, according to the curricula. There are several possibilities (elective and optional lecture courses and design studios) to choose a Minor, for which the student has to attend 2 extra courses recommended by the profile Chair.

The diploma is obtained after the evaluation of a final complex work (project + dissertation), elaborated during the eleventh semester, after a semester of practice in a studio or research structure.

At the Faculty of Urbanism the curriculum is structured according to the two cycles of study (4+6 semesters). The first four semesters are dedicated to teaching the basic, general knowledge (theory and design practice), intimately interrelated to and coordinated with the courses in the Faculty of Architecture. The following six semesters are focused on the two specialized fields of the two Majors: Planning and Landscape Architecture. The educational process is mainly targeted to the urban project, therefore, the developing of specific research and conception skills and techniques become very important. In addition to the Major choice, and in accordance with the system of options during the academic training, the student may choose a Minor in the field of Territory Planning or of Landscape Architecture.

The diploma is obtained following the evaluation of a final complex work (project + dissertation), elaborated during the eleventh semester after a semester of practice in a specialized studio or research structure. The University College is based on a three-year school program, training technical personnel. This type of professional is required by the architectural studios. The curriculum is thus practice oriented in order to

produce professionals able to assist the architect and the urban planner in their work. All sections (Building Design, Interior and Furniture Design, Urbanism, and Restoration) train students in computer assisted architectural design, so that the "conductor" can assume the tasks of all the jobs in the architectural and planning firms. There is a close relationship between the education offered in the four College sections and the education during the first three years in the two Faculties.

The School of Advanced Studies offers the following studies, opened to graduates from both Architecture and Urbanism Faculties and the related disciplines, such as Economics, Engineering, Sociology, Geography, Law, Human Studies, etc.:

The Advanced Architectural Design Programs last for 2 semesters (10 no tuition + 5 tuition fee) and are focused on two fields: Marketing and Quality in Architecture; Building Rehabilitation.

The Master of Architecture Degree Programs are meant to widen various disciplinary fields through multidisciplinary and/or interdisciplinary approaches and to integrate them into a more complex (technically and culturally) view on the making of space: Integrated Urban Development (Romanian and French); Urban Management; Anthropology of the Sacred Space, Management of Cultural Heritage by Local Communities.

The Post-Graduate Study Programs (25 places with tuition fee) aim to provide a specialized training in the following fields: Restoration of Monuments, Ensembles, and Sites; Building Design for Sustainable Development; Urban and Regional Planning. Doctoral Studies address the following fields: Architecture, Urbanism, History of Architecture & Restoration, Technology of Architecture, and are organized as part time and full time studies.

#### Research program

Scientific research is a fundamental activity of the teaching staff, though many urban planning and conservation studies are done with students' participation. The research programs are eventually published (articles, books, conferences delivered at national and international seminars). There is also a Center of Research, Design, Expertise and Consulting that technically

assists the faculty members that have design and research commissions, being a commercial unit as well.

#### Students' activities

The Architect Students' Association is represented in the IMUAU Senate by 7 students, being consequently involved in the debate regarding the structure and content of the educational program.

During their study years, the students may attend courses at similar faculties within the framework of higher education institutions at home or overseas, namely in those institutions subject to bilateral or multilateral agreements concluded by IMUAU, or according with specific regulations approved by the Senate.

#### Administration and staff

The IMUAU employs 193 full time staff and 80 part time staff. There are also visiting lectures within various programs of cooperation.

Rector:

Prof. Dr. Arch. E. B. Popescu

Pro-Rector:

Prof. Dr. Arch. Nicolae Lascu

Scientific Secretary:

Prof. Dr. Arch. Sorin Vasilescu

Dean of the Faculty of Architecture:

Prof. Dr. Arch. Stefan Scafa-Udriste

Pro-Dean:

Associate Professor Dr. Arch.

Sergiu Nistor

Associate Professor Dr. Arch.

Mircea Chira

Dean of the Faculty of Urbanism:

Prof. Dr. Arch. Constantin Enache

Dean of the University College

Prof. Dr. Tomnita Florescu

Head of the Architectural Design Department

Prof. Dr. Arch. Mircea Ochinciuc

Head of the Synthesis of Design Department

Prof. Dr. Arch. Radu Tanasoiu

Head of the Chair of History & Theory of Architecture and Heritage Conservation

Prof. Dr. Arch. Ana Maria

Zahariade

Head of the Chair of Urbanism

Prof. Dr. Arch. Alexandru Sandu

Head of the Chair of Representation and Architectural Design

Prof. Dr. Arch. Iulius Ionescu

Head of the Chair of Architectural Technological Sciences

Pof. Dr. Arch. Rodica Crisan

■

# Technical University of Cluj-Napoca

## Faculty of Architecture and Urban Planning

Str Observator nr. 34  
Cluj Napoca, Rumania

Dean: prof.dr.arch.Mircea Moldovan

Tel. : 40 64 190255  
Fax : 40 64 190255  
Email : moldovanms@hotmail.com

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General information

The Technical University of Cluj celebrated its 50 years in 1998. It is one of the five state universities and higher education institutes in Cluj. Cluj is an important economical and cultural town and the second university centre in Romania. It has a strong tradition in scientific and cultural life (by names such as Victor Babeş, Emil Racoviţă or Lucian Blaga) and plays an active role in the cultural life of Romania today.

The Faculty of Architecture and Urban Planning is one of the eight faculties of the Technical University. It was created in 1970 as a Department of the Faculty of Civil Engineering and has become today the most important centre of architectural training in Transylvania.

A central objective is to increase the number of qualified professionals in the fields of architecture and urban planning who will serve a broader range of constituencies. The staff and the approximately 300 students of the school develop together a committed attitude on the built environment, which tries to be both critical and creative. The main purpose of the Faculty is to research and value the multi-cultural identity of the region. The Faculty of Architecture and Urban Planning has established international relationship in European exchange programmes, such as Tempus and more recently Socrates. These programmes provided new equipment and a chance for direct collaborations with many schools in Europe. Many faculty staff have accomplished didactic stages in European schools and many European visiting professors held con-

ferences and taught in the studios at the Faculty of Cluj.

The applicants must have a high school bachelor diploma and pass a severe admission exam (usually, only one of 3-4 applicants is admitted). Foreign students are admitted on individual admission tests and interviews or by exchange conventions with other schools of architecture.

#### Facilities

The building of the Faculty of Architecture and Urban Planning is situated in a new quarter of the town. The access to faculty from the railway station or the city centre is easy by the means of conveyance.

The Faculty of Architecture and Urban Planning is integrated into a campus which includes student hostels, with study rooms, a canteen, sports grounds, shops, a chemist's shop and a health unit. The Faculty is able to provide accommodation on campus for all the interested students. The halls are situated near the main building. They have rooms for four persons, with common bathrooms on each floor.

The faculty has studio halls, rooms for courses and lectures, a studio equipped with ArchiCAD programme, several materials laboratories (shared with the Faculty of Civil Engineering), a photo laboratory and specialised library. The students have access both to the Technical University Library and to the Central University Library. They also have the opportunity to attend public lectures, cultural events, exhibitions and various conferences.

#### Educational programme

The Faculty of Architecture and Urban Planning awards the Architect title, recognised by the Romanian Ministry of Education. The Diploma certifies an Architecture and Urban Planning specialisation.

The study is organised in a six-year programme, 11 semesters of full-time courses and one semester for the final diploma project and license. The program consists of 28 hours/week and 10-12 exams yearly.

There staff and courses are divided in six units, grouped in two chairs:

- I. The Chair of Theoretical Studies
  1. Theory and History of Architecture
  2. Engineering Studies
  3. Interior Design and Industrial Design
- II. The Chair of Architectural and Urban Design
  4. Studio of Architectural Design
  5. Synthesis of Architectural Design
  6. Urban Planning

The studio is the focus of the educational programme. By means of studio work, where a creative synthesis of all acquired knowledge is made, architectural education attends to develop students' individual creativity and responsibility. The studio work prepares the student for roles related to the design of buildings and other environmental artifacts.

In the first three years, the Studio projects are led by the staff of the unit II.4. and in the last three years by the staff of the unit II.5..

The first three years, students must attend fundamental courses in Mathematics, Mechanics, Descriptive Geometry, Rendering, History and Theory of Architecture, Elements of the Environment and Urban Planning, Materials and Elements of Construction, Theory of Structures, Furniture Design, CAD, Foreign Languages and Sport. All the courses in the first and second year are compulsory. The third year allows a minimal number of elective courses.

The fourth, fifth and sixth years consist of some compulsory courses in each of the units I.1, I.2, I.3 and II.6 and several distributional or elective courses, such as: Elements of Urban Morphology, Strategy of Human Settlements, Urban Ecology, New Technologies, Industrial Design, Management, Building Pathology and Rehabilitation, Art History, Philosophy of Culture, Philosophy of Science, Psychology of Form.

Even if the diploma doesn't specifically attest a particular specialisation, the students are advised to choose a specialisation (urban planning, history and preservation, theory and critics, interior design) and the correspondent elective courses. The fields of the licence exams are different according to these "informal" specialisation.

The programme is viewed as a framework in which both academic and professional concerns are explored. In general, the programme seeks to impart basic principles and knowledge, to develop visual and analytical skills and to relate creativity to given cultural situations. The architects, thus trained, should be able to use their knowledge and insight by responding to and improving the built environment.

#### Research Activities

The research activities of faculty and students cover the fields of urban planning, restoration, structural engineering and architectural theory. Full-time faculty members are actively engaged in research as well as in practice and consulting. The research activities are seen as complementary to the educational programme. Students participate during the summer practical activities to various studies in urban planning

(regional development studies, general urban plans, zone urban plans, detailed case studies, new types of dwelling on slope grounds etc.), restoration and conservation studies (surveys in town historical centres, surveys in archaeological excavations etc.). Contractual research, which brings financial support to the University and links the school to the real life, enables students to work on projects for actual clients and gain professional experience under faculty guidance and supervision. Contractual research is subsequently highly encouraged. Faculty members perform also individual research, concluded in doctorates and various professional publications.

#### Student activities

The students of the Faculty of Architecture and Urbanism have their independent association "Habitat". Habitat is representing all the faculty students and is authorised to make statements and take a stand on any academic issue. It organises a broad range of student activities: annual exhibitions, summer meetings, the annual "Freshmen" Ball etc.

It also provides support for student participation in architectural international competitions. Life at the halls of residence is also directed by students' self-governing bodies.

In the summer there are practical activities, students carry out surveys on historical monuments and archaeological sites, mainly in Transylvania, but also in Hungary, Ukraine, Poland, Slovakia and Czech Republic.

#### Administration and staff

The faculty employs 28 full-time academic staff (24 architects and 4 engineers), 17 associated staff (architects, sociologists, art historians and from other fields) and 2 secretaries.

Head:

Prof. PHD Moldovek  
Secretary of scientific Research:

prof. dr. eng. Balint Szabo  
Chairman of the Chair I Theoretical Studies:

prof.dr.arch. Adriana Matei

Chairman of the Chair II Architectural and Urban Design:

prof.dr.arch. Catalina Muradin  
Chair of Unit I.1. Theory and History of Architecture:

Prof. Mircea Moldovan, Ph.D.

Chair of Unit I.2. Engineering Studies:  
Reader Balint Szabo, Ph.D.

Chair of Unit I.3. Interior Design, History of Architecture and Aesthetics:

prof.dr.arch.Mircea Moldovan

Theory of Architecture:

prof.dr.arch. Adriana Matei

Urban Planning:

reader dr.arch Vasile Mitrea

Engineering Studies:

dr. eng. Balint Szabo

Industrial Design

Prof. Katalin Muradin, Ph.D.

Chair of Unit II.1. Studio of Architectural Design:

Lecturer Gh. Vais

Chair of Unit II.2. Synthesis of Architectural Design:

Prof. Katalin Muradin, Ph.D.

Chair of Unit II.3. Urban Planning:

Lecturer Loaka Agachi PHD

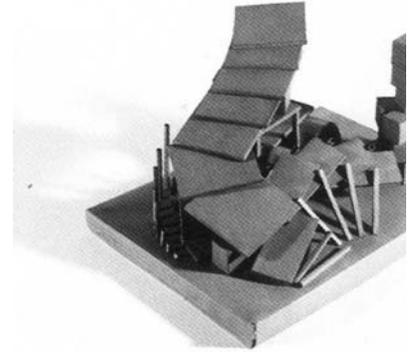
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# Politechnica University of Timisoara

Faculty of Civil Engineering and Architecture  
Department of Architecture

2A Traian Lalescu Street  
1900 Timisoara  
Romania  
Tel/fax : 004/0256/203125

Application deadline: July  
Tuition and fees: no fee for students from Romania  
400\$/year for students from other countries



## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architect (architect )		6 years	Order of architects High School Diploma		40+20(fee)
Conductor architect (architecture technician)		3 years	Order of architects High School Diploma		20+10(fee)

### General information

Politehnica University of Timisoara was founded in 1921. The Department of Architecture was re-opened in 1991 after a nine year break due to the political system from Romania. The Department of Architecture can be very well defined with a single word: interdisciplinary. It is about a critical approach of architecture, derived from different points of view. The department has approximately 400 students (40% of whom are female and 20 are foreign students). The essence of this school is to guide students through various ways of approaching architecture, more or less interconnected, aiming to understand the significance of the architectural design of one project. Different aspects of project are brought into the attention of students: the complex way of forming natural and urban sites, cultural and religious traditions, social, psychological and anthropological aspects, the birth of natural and artificial form, the use of different technologies and materials.

Over the last decade the department has become a well known school. It receives national and international requests to take part in joint ventures and in student and staff exchange projects. It participates in European exchange programmes, such as Tempus, Leonardo and Socrates. It has collaborations with Romanian cultural institutes from Venice, Rome and Berlin.

### Curriculum

The curriculum focuses on architectural intervention. Characteristic of the study is its wide scope and content of subjects. Foreign students

who want to apply for admission must have a diploma which qualifies them for enrolment at a university of technology in their country of origin. Mathematics and drawing abilities are basic requirements for admission as a student at Department of Architecture from Politehnica University of Timisoara. The language of instruction during the programme is Romanian. Teaching materials such as lecture notes are mostly in Romanian.

### Facilities

The Faculty of Civil Engineering and Architecture is situated in the Politehnica University campus near the city centre of Timisoara. The Faculty is within easy reach of the common transportation. Timisoara has played an active role in the history of the Romania, not only in science and culture, but also from political reasons (the 1989 Revolution started here). The Faculty houses facilities needed for teaching. It has a library with 10,000 titles and subscriptions to numerous periodicals and an equipped CAD studio.

In Timisoara students acquire their basic knowledge during the first three years of studies. The development of design skills is central to the programme: a semester-long integral design-project forms the core of the six semesters where the knowledge and skills taught in other programme-elements (fundamentals of Architecture, Technology, Theory and History) are applied in the design-process. Beginning with the 5th semester the programme includes different optional courses.

The studies culminate in a final project leading to an Architect degree (the 12th semester for architects and the 6th semester for conductor architects). Additional admission requirements may be needed if one chooses to transfer during the studying years to a university other than the Politehnica University of Timisoara.

### Title and admission

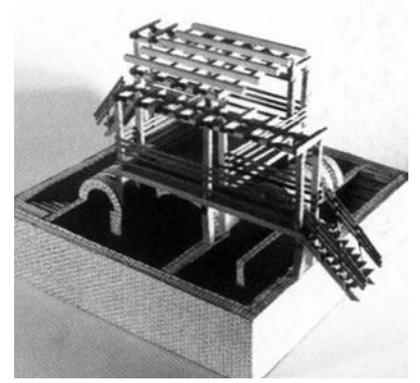
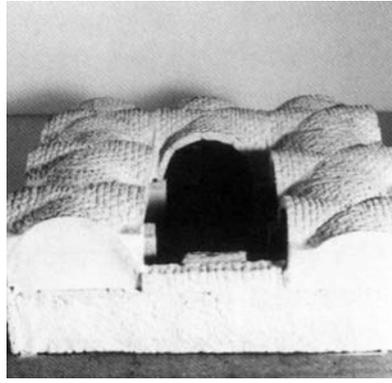
Graduates are awarded the title of Architect. Students can be officially registered as Architect. For admission to Politehnica University, Department of Architecture a four-year pre-university education (High school Degree) is required; there is an entry examination, with two tests: technical and artistic drawing and math. For the three years studies there is only one test required - drawing.

### Post graduate programme

In order to deal with new demands in architectural field (renovation and restoration), the department offers a one-year course for those that are interested (eight people, after a selection procedure). During summer time there is also a two-weeks summer school called "The Restoration of Architectural Surfaces" under UNESCO Venice Office.

### Student activities

The student association is known as OSA. It establishes contacts with other student associations and organizes in many extracurricular activities.



**Administration and staff**

The Department of Architecture employs 20 full-time and 25 part-time scientific staff.  
Chairman of the Architecture Department

Conf. dr. arch. Cristian Dumitrescu

Other member of staff:

Prof. dr. arch. Teodor Gheorghiu – history and urban courses

Prof. dr. ing. Victor Gioncu – structural engineering courses

Conf. dr. arch. Smaranda Bica – history, object and landscape design courses

Conf. dr. arch. Ioan Andreescu – history and theories about modern architecture courses

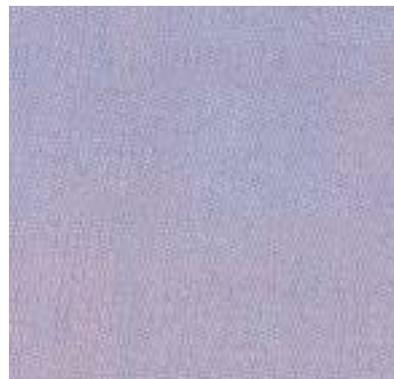
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# Slovak University of Technology Bratislava

## Faculty of Architecture

Nám. Slobody 19  
812 45 Bratislava, Slovak Republic

Tel. : 004212 52967 060  
Fax : 004212 5291533  
Email : dekan@fa.stuba.sk  
Website: www.fa.stuba.sk



### Degree programmes

Degree	Title	Duration of study
Architecture & Urban Planning	Bachelor	4 yrs
Architecture	Engineer-Architect	2 yrs
Urban Planning	Engineer-Architect	2 yrs
Landscape Architecture and Landscape Planning	Engineer-Architect	2 yrs
Design (industrial, product)	Bachelor	4 yrs
Design (see "Education Program" also)	MSC with the title "Ing"	2 yrs

#### Accreditations:

Accredited by Governmental Commission of Slovak Republic

Admissions: (see "Entrance Requirements" also)

High School Diploma for bachelor's degree

Bachelor's degree for Master's degree

Entrance examination for all programs

1100 students are currently enrolled at FA SUT.

#### General information

The teaching of architecture at the STU began in 1946, making the Faculty of Architecture (FA) the newest addition to the Slovak University of Technology (SUT) Faculty. The faculty of Architecture SUT is the largest educational institution for architects in the Slovak Republic. The trends of the Faculty are developed and based on ongoing development of the "university platform" of University Education. Bound to it is the recently realized innovation of the Faculty's profile and its education activities within the bachelor's, master's and PhD. study programs. The profile reflects university principles and creates a condition for professional performance within the home country and the EU framework. In this respect there is a clear orientation to prepare architects, urban planners and designers within a creative framework. The present two-year tier system of study focuses on the preparedness of a graduate. Awareness in the art and theory subjects is emphasized, as well as in a variety of technical and design subjects from urban planning to interior design.

#### Facilities

The Faculty of Architecture is situated in a building designed by Emil Bellus, the most important Slovak architect

in the last century and the founder of the school for whom the hall "Aula of Professor Bellus" (residing within the college) is named. In addition to such lecture classrooms, studios, computer facilities and the Faculty library which holds many professional books and journals (many which are internationally acclaimed) may be utilized for the development of creative abilities and professional skill.

#### Location

Situated near the city centre and main Railway Station, the Faculty of Architecture, within the SUT campus, is located around the campus square where students can be found either studying or enjoying leisure time. Located in the city of Bratislava, the capital of the Slovak Republic is located within the western part of the territory near the Danube, which connects the neighbouring cities of Vienna and Budapest and is located just 300 km from Prague via highway or railway. The town centre of Bratislava has a variety of theaters, galleries museums and libraries while the outskirts of the city provide excellent opportunities for recreation and sports.

#### Educational Program

Specializations:

Bachelor's degree study:  
(full-time)

Architecture (Bc)  
Urban planning (Bc)  
Landscape Architecture and  
Landscape Planning (Bc)  
Design (Bc)

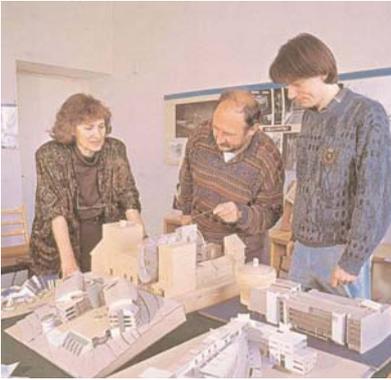
Master's degree study: (full-time)  
Architecture (Ing.arch)  
Urban Planning (Ing.arch)  
Landscape Architecture and  
Landscape Planning (Bc)  
Design (Ing. )

Doctoral degree study: (part-time or full-time)

35-01-9 Scientific Branch (PhD.)  
35-02-9 Urban Planning (PhD.)  
82-21-9 Design (ArtD.)

#### Bachelor's degree Program

The Faculty of Architecture Slovak University of Technology (FA SUT) curriculum takes the form of a modular bachelor's degree. The Bc study module prepares the students equally well for both architectural practice and further master degree studies. The abilities of students applying to bachelor's degree courses in Architecture and Urban Planning are addressed at the same entrance examination, while future design students have to pass a separate entrance examination. The bachelor's degree course takes a minimum of four years. Although architecture and Urban Planning have identical curricula however, the Design specialization has a different course. This



credit study allows student individual study advancement.

The Bachelor's degree course provides core education in the fields of engineering, natural sciences, humanities and fine arts. The specialized subjects are focused on essential problems and issues in Architecture, Urban Planning and Design. Studio Designs plays a substantial role in the training. Students are encouraged to manage their education depending on their future architectural career expectation by choosing a sufficient number of elective subjects, as well as thorough design studio (in minor and major studios). Second language courses, a CAD course and internships in architectural practice play a very important role in the program. Students are awarded a bachelor's degree after they meet the requirements of the First State Examination in engineering and architectural subjects, and afterwards, a successful defence of a dissertation.

#### Master's degree program:

Bc graduates can pursue higher education through a master's degree program in the following subjects (courses):

- Architecture;
  - A1 Housing Design
  - A2 Public building design
  - A3 Industrial and Production
- Building Design
  - A4 Interior, exhibition, stage design
  - A5 Monument preservation and design in historical environment
  - A6 Design in architecture
  - A7 Ecological and Experimental Design in Architecture
  - A8 Progressive constructions in architecture
- Urban Planning;
  - U1 Urban Complexes and Zones
  - U2 Town Planning
  - Landscape Architecture and Landscape Planning;
- Design;
  - D1 Industrial Design
  - D2 Designing in architecture
  - D3 Visual communication design and multimedia design

The master's degree course normally requires at least two years to complete and is based on a credit system.



Students are awarded the degree after passing the Second State Examination and defending their diploma thesis one problem arising from their specialty area.

#### PhD Program

A postgraduate PhD program is the highest academic form of education at the Faculty of Architecture, Slovak University of Technology, in accordance with the University law and by the notice of Ministry of Education of the Slovak Republic on PhD studies. A PhD program at the Faculty of Architecture, Slovak University of Technology can be taken on a full-time or part-time basis in the following specializations:

Scientific branch:

- 35-01-9 Architecture
- 35-02-9 Urban Planning

Artistic branch:

- 82-21-9 Design

FA SUT is accredited to award Bc, Mc and PhD degrees and it is a seat of the Scientific Boards in Slovakia. Graduates of the programs at FA SUT (referring to the above), or other related programs at other Slovak or foreign universities, can qualify to take part in the PhD program in Architecture, Urban Planning and Design.

#### Entrance Requirements

##### *Bachelor's degree program*

Applicants must pass an entrance examination where their abilities and knowledge are examined in the following: drawing, history of architecture, arts, design, a second language, creative abilities, concepts of spatial proportion, plus mathematics.

The Design program requires an additional prerequisite of modeling. A-level examinations are partly taken into consideration as well.

Application forms are accepted until the end of November. The entrance examination is in January.

##### **Master's degree program**

Bachelor's degree graduates of FA SUT who successfully complete approved credits fulfill the entrance requirement for the Master's program. Graduates with equivalent qualifications from other universities



and programs are accepted to a master's degree program by a special entrance examination; in some cases, applicants are accepted on condition that they enroll in supplementary courses.

#### Research

Scientific research activities of the FA are currently being recognized within the framework of basic and applied research projects. Projects are funded by the grant agency of the Slovak Ministry of Education. These projects cover the topical tasks of architecture, theory and application in practice, namely in these key areas:

- protection of historic cities, renovation and reconstruction of historic environments in the European context.
- revitalization of dysfunctional town centres
- humanization and concept of "urban/architectural integration of functions determining polyfunctioning buildings".
- environmental, synergic and cultural aspects of architectural design and civil engineering activities.
- research of architectural activities affecting the environment.

#### International cooperation

The FA develops the pedagogical and research program in international cooperation with the following foreign countries:

Technische Universität Wien, Universität Bonn, Politecnico Milano, Akademie der Bildenden Künste Wien, Hochschule für Architektur und Bauwesen Universität Weimar, Technische Universität Budapest, University of Manchester, University of Strathclyde Glasgow, Architectural Conservation Course C/O Roma, Royal College of Art London, Planungsinstitut für das Ländliche Bau and Siedlungswesen TU Hannover, Faculty of Architecture CVUT Prague, UNI Dortmund.

Within a Socrates Program, section for higher education Erasmus, Faculty of Architecture cooperates with about 20 universities.

# Escola Tècnica Superior d'Arquitectura del Vallès

Universitat Politècnica de Catalunya

Pere Serra, 1-15  
 08190 Sant Cugat del Vallès Barcelona  
 Tel. : 34/93 4017900  
 Fax : 34/93 4017901

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	Admission
Architecture	Architect	5 years	Register of Architects	B.U.P	65	Autumn semester
				C.O.U	65	Spring semester

### General information

The Higher School of Architecture of Vallès (E.T.S.A.V.) is situated in the municipal area of Sant Cugat del Vallès.

It is a State school which belongs to the "Universitat Politècnica de Catalunya" (U.P.C.). The U.P.C. was created in 1978 and it was constituted from the different higher schools already existent on the Architectural and Engineering areas. These schools had a large tradition and some of them date from the mid XIXth century. The E.T.S.A.V. started to offer academic education in 1974, firstly as a subsidiary of the Higher School of Architecture of Barcelona, and as an independent one since 1979. It is not an overcrowded school, there are 1,140 students enrolled (41% females) and 115 teachers. Its main objective is to train professionals technically competent and scientifically efficient that can take part in the productive architectural activity and worthy to the development of a sustained society. Students can choose among 50 different students' exchange posts with foreign universities under Socrates programme, or specific agreements with Latin and Northamerican universities. The syllabuses are scheduled in five academic years which are divided into semesters each. Lessons are taught in Catalan and Spanish languages.

The E.T.S.A.V. applies a new curriculum syllabus since 1993, it is official in the practice of the architectural designing, in the use and consolidation of the scheduled teaching areas.

### Facilities

The E.T.S.A.V. is situated 10 CMS. far from Barcelona centre; It is very well communicated, not only by means of public transport - 6 minutes far from the urban railway station - but the road - highway networks allow the use of particular car as well. It is also quite near the Autònoma University of Barcelona, E.T.S.A.B. and the Architects' Official Association Library of Catalonia.

There is also a significant very active modelling hall, a library with 14,000 titles with multi-media technology and a remarkable legacy of Coderch's Archive; everything in an environment of a new plant building, neat and either halls or computer classrooms opened 24 hours a day.

### Educational programme

Students are enrolled in two annual periods: September and February what allows the E.T.S.A.V. to be organised in semesters and the enrolment of 65 students every period. For those students who decide to start their studies in February, they are offered an introductory general course.

The studies are scheduled in 5 years divided into two semesters each, and they are organised in two different cycles: a two-year the first one, and a three-year the second one. The learning process is based on problem-designing teaching.

The two first semesters are propedeutic or introductory to the design itself, the following ones are focused on aspects like:

- a) Techniques.
- b) Settlement.
- c) Housing-dwelling and residential environment.
- d) Urban design.
- e) Conveyable structure.
- f) Demodulation and restoration.
- g) The great scale.
- h) The final project.

### Post-graduate Programmes

The teachers at the E.T.S.A.V. offer postgraduate and master programmes within the different UPC departments.

### Student activities

In 1997-98, 231 students of the second cycle carried out professional training periods by means of co-operative educational agreements.

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## Escuela Técnica Superior de Arquitectura de Madrid

Avenida de Juan de Herrera, 4  
28040 MADRID  
Tel. : 34/91 336 65 24  
Fax : 34/91 336 65 73  
www.aq.upm.es

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### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

The School of Architecture of Madrid was established in 1844, in order to take over the previous studies given in the Royal Academy of San Fernando. The School of Architecture was the only one for a long time in Spain, but in 1869 a new one was set up in Barcelona following by a third one in Seville in 1957. The School of Architecture of Madrid was taken into the Universidad Politécnica de Madrid since 1971.

The School of Architecture of Madrid has tried in a traditional way to combine the architectural aspect of designs as well as a good scientific background. Many of the best Spanish architects have studied in Madrid, and nowadays students often win European Competitions. Kenneth Frampton valued very favourably the quality of the education: «The record of the Madrid school has been exceptional. By world standards, it has succeeded in educating a large number of architects of high caliber. Spanish architectural production still remains one of the finest building cultures in the world today and while has not doubt been due in part to the way in which the Spanish profession has been organized and to the general cultural level of Spanish clients it is also surely due to the caliber of Spanish architectural education.

While architectural education and practice are different undertakings, there is also a particularly close and fertile correspondence between them in Spain».

In the School of Architecture of Madrid are enrolled an average of 5000 students per year, about fifty

per cent of them are women. In the latter years 400 new pupils have been accepted in the first course, and about 200 more pupils are coming from other Schools of Architecture have been admitted in upper courses.

The School also has agreements with 52 Academic Centres from all the world, and takes part in Socrates programme. Periodically, the most relevant architects visit the School to impart either conferences or specific courses on updated topics.

Currently, a new reform in the academic system is being introduced at the School of Architecture of Madrid. The New Plan, which lasts five years, allows a more rationed use of the time and emphasises on training activities. Since Autumn term of 1998, the third year course of the New Plan has been set up, and its novelty compared to the old one, is that it offers a few optional subject to be chosen freely by the students.

#### Facilities

The School of Architecture is placed within the University City of Madrid surrounded by parks and no very far from the centre of Madrid. Access to the main Campus is provided by public transport. The students guild office of architecture also is used as a link to co-ordinate private transport among students. Sport Areas, Cultural Centres, and the Hall of Residences are within walking distance. The building contains a specialised architectural Library with about 55000 books, many of them are very outstanding from an historical point of view. There are also CAD lessons, a work shop for models, a structural

laboratory, a book shop, and a coffee shop and restaurant service for staff and students. A new initiative for the informatic storage of architectural images and illustrations has began, the main objective is to make all this material accessible via Internet. It has been also approved the creation of an Architectural Museum with the documentary material, drawings and models of the historical archive of the School.

A weekly internal newsletter, the TA or Tablón de Anuncios (note board magazine) , publishes news of general interest. Other newsletter exists focused on academic matters. There is a Students Exchange Office to guide and help foreign students with administrative matters.

#### Educational Programme

The studies of architecture are divided in two stages with a total of five years all together. In the last year of their degree, students have to submit a Final Project with dissertation. A third stage which include two years courses on PhD programmes will be ended with a final Thesis. The old plan, with a 6 year duration and an altogether different structure, simultaneates the new till his extinction.

The new plan /curriculum (5 year degree) is divided in two terms (called cuatrimestres) of four months; a total of ten «cuatrimestres» in the degree of architecture with an average of 4-5 subjects per term. Autumn term (September-December) and Spring term (February-March), both have 15 weeks teaching. Additionally a week a year is dedi-

cated to educational trips monitoring and supervising by the teachers from the School itself.

In every term there are the so-called «workshop» courses, which an eminently practical content; the learning process involves a set of tutorials and assistant lessons, where topics and work-team is monitoring by the teacher according to each syllabus content for the subject chosen. 550 hours teaching are optional subjects into the upper courses.

Project works subjects are considered as the core in 9 of the 10 total term/ cuatrimestre of the new architecture degree. The teachers for these subjects of «Projects» are given by prestigious Spanish architects.

Last courses optional syllabus in the ETSAM curriculum are deeply connected to the following specialized fields: Urban Design, Restoration or The History of the Construction.

The final Project is an architectural work-project with dissertation, which develops the skills of every topic chosen. After being marked by a board, if it is a good one is given in to be published. Publications from these Projects are getting better and better every year.

#### **Postgraduate programmes**

Postgraduate studies are based on a series of research programmes offered by the different departments within the School. They consist on several courses and research papers that are orientated to develop the student's skills so that they can carry on a final dissertation directed by a professor of the School. The programmes embrace all the fundamental research lines related to the architectural and urban desing, and many diverse aspects like history, technology, theory, etc, are considered. Many foreign students are enroled in these postgraduate courses.

Besides specific postgraduate courses, the School of Architecture of Madrid offers as wel several master and formation courses. Masters such as Conversation and Restoration of Monuments, Gardening and Landscaping, Desing, Rehabilitation of Historial Buildings, Techniques on

Advanced Construction, and formation courses such as Theoretical, Historical and legal Aspects of Restoration, Enviromental Sciences and Bioclimatic Architecture, Maintenance and Quality of Building, Geographical Informatin Systems, Acoustics Studies, etc. Can be studied at the School.

#### **Research programmes**

Each department develops its own research lines in relation to the postgraduate programmees quoted above. For example, in the case of the Urban Planning Departament, its research activity is reflected in the publication of a series of issues called Cuadernos de Investigación Urbanística. In other cases, the research lines are interdisciplinary, this is the case of History of Construction, topic on which several volumes have been published, either translations of classical autours (Viollet-le-Duc, Choisy) or modern studies on fabric structures (J. Heyman). The Instituto Juan de Herrera, an organism that depends on the School and supports its teaching and research activites, is usually the editor of these books and collections.

#### **Students activities**

Throughout the year there are several contests on Architectural design sponsored by the School itself or by private companies. The presence of Spanish students in European competitions is becomming more frequent with the time and also more effective.

The students at the School have their own organizations such as the Delegación de Alumnos, through which they participate in all decision levels in the School. The students are very active and organize all sorts of cultural trips and activities. It is worthy to mention their Film Club that shows film on architectural interest, and also the NGO, Ingeniería sin Fronteras, involved in Third-World help activities.

#### **Administration and staff**

More than 400 professors work in the school, half of them with full dedication.

##### **Director**

Juan Miguel Hernandez Leon

##### **Subdirector Jefe de Estudios**

Jaime Cervera Bravo

##### **Subdirector de Doctorado y**

##### **Postgrado**

Antonio Gonzalez-Capitel Martinez

##### **Subdirector de Patrimonio y Asuntos Economicos**

Ignacio Vicens y Hualde

##### **Subdirector de Ordenacion**

##### **Academica y Relaciones Externas**

Luis Moya Gonzalez

##### **Secretario**

Guillermo Cabeza Arnaiz

Besides, the following colaborators form part of the Directive staff: Javier Frechilla Camoiras (library), Jaime Cervera Bravo (informatic division) and Jaime Nadal Uriguen (curator)

■

## School of Architecture

Chalmers University of Technology  
S-412 96 Göteborg, Sweden

Student Counsellor Kerstin Dyberg  
Tel. : + 46 31 772 24 07  
Secretariat  
Tel. : + 46 31 772 24 00  
Email : dean@arch.chalmers.se

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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**Orientation towards the future**

At the School of Architecture the existing organisation is being re-evaluated in connection with the large number of recruitments to leading positions. An ongoing analysis during the year of changes in society and future educational requirements has led to the identification of three strategic areas of the future:

- Information Technology and Design Media
- Facilities Management (design - activities administration)
- Sustainable Urban Development & Building Design

The fields of research that have been highlighted will be developed through internal co-operation at Chalmers and through co-operation with other centres of research, both national and international. At the same time, however, this new, wider research profile presupposes reinforcement of the basic areas of research within the field of architecture. Consequently, two Aesthetic Professorships and two Junior Research Fellowships, the latter in Architecture and Urban Design, has been added.

**Attractive undergraduate programme with a new curriculum**

With 5.5 first-option applicants, the MArch programme continues to be one of the most sought-after programmes at Chalmers. Our pedagogical aim is to cultivate creative talent and the ability to view things from a holistic point of view and at the same help students develop the design skills necessary to tackle complex problems and situations. With this educational background, our newly-

graduated architects possess a bank of knowledge and experience to which they may have recourse in the future.

In the latest study plan, which has been fully implemented up to the second year of the course, new relationships have been established between different subjects as well as new pedagogical projects and methods of examination.

In particular, there is a greater emphasis on the documentation of individual study performances as a means of ensuring quality. In addition to aesthetic criteria, the new study plan stresses the need to hone the architect's power of analysis and programmes were created to encourage students to actively develop their ability to analyse and write advanced texts.

The renewal of the MArch course programme should be completed by the year 2000.

**Curriculum**

The program begins with a core curriculum of six semesters of compulsory coursework and design studios; elective studies make up the remainder of the program. Teaching is based on problem-orientated learning. The core curriculum is divided into two levels. In level I, the first school-year, the emphasis is on giving students a basic knowledge of architects working methods, fields of practice, and areas of expertise. An introduction to Spatial design and Design Theory and to Studies of the Built environment are the two major elements. Level I also includes subjects such as History of Architecture and Building Construction. In level II, comprising the second and

third years of study, students apply the methods of professional practice at the same time they study to expand their knowledge in the field of architecture. Studies focus on the themes each semester for three semesters. These themes include the city, the individual building, and space for work; each is worth seven or eight university credits (forty credits equal one year of full-time study). The last semester of the core curriculum is devoted to a survey of the Literature of architectural theory, with time for students to reflect and write papers, and for independent in-depth exploration of the application of those theories.

In level III of the curriculum includes a fourth year of elective studies followed by a semester-long independent Thesis project. Each department in the school offers a program that combines course-work with a design-studio. Each semester students choose one such program in addition to a single completely separate short course. During level III, students may also choose to study abroad at schools of architecture in other countries, just as guest-students from foreign countries are integrated into the school at this time. The final element in the curriculum is the twenty-credit independent Thesis project. The students work is judged by a jury comprising two members of the faculty and an expert in the field who is active in professional practice. In addition, students are required to intern at an office of architecture or urban planning or at a building site for a minimum of seventeen weeks.

**Design**

Design is an increasing area of research and education and a new effort for the whole of Chalmers University. Design Theory, Design History and Design Methodology will be taught at all Master Programmes of Chalmers. An international Board, the Creative Board, will continuously follow the development and give advices. A new professor has recently been installed in Work-place Design. We are now starting up Design-Studios where researchers, specialists and students work together; to begin with one Studio in Work Space Design.

**Design Media Lab**

There has been comprehensive modernisation of the infrastructure of information technology, including servers, computers, networks and training, and the transformation of the School of Architecture's Visualisation Studio into a complete Design Media Lab has commenced. The first step in this process has been the construction of a Virtual Reality Lab for the Chalmers Multimedia Centre which was opened in the Autumn '98.

**Interactiv City**

A research and development studio in the field of interactive Digital Media in Gothenburg in co-operation between Chalmers University of Technology and University of Gothenburg.

**Facilities Management**

Expansion in the key area of Facilities Management has been rapid. An organisational framework has been established. Courses in Facilities Management have been introduced where the spatial and functional demands of various activities are dealt with in relation to the total system of construction, operation, administration, change and design. The aim is to transcend the architects' traditional skills to encompass more general skills, e.g. in production.

**Urban Management**

Inter-disciplinary education development and research at the School of Civil Engineering, the School of Technology Management and Economics and the School of Architecture to support a sustainable Urban Development.

**Graduate programme**

The main priority has been to introduce measures to ensure quality and efficiency within graduate education and new guidelines for research at the School of Architecture have been drawn up. In order to analyse current international research and development in the field of architecture a study of other schools of architecture has commenced, including discussions centring on various so-called artistic development projects.

Dean of the School of Architecture

Hans Bjur, professor

Departments

- Architectural Design
- Theory and History of Architecture
- Residential Planning
- Architecture
- Workspace Design
- Building Design
- Conservation of Buildings and Areas
- Structural Design
- Design Computing
- Theoretical and Applied
- Aesthetics
- Building Design and Construction
- Design Methodology
- Urban Design and Planning
- Urban Design
- Urban Transport Planning

# Université de Genève

## HES SO, University of Technology

### Department of Architecture

Rue de la Prairie 4  
 CH - 1202 GENEVA  
 Switzerland  
 Tel. : +41 22 338 04 00  
 Fax : +41 22 338 04 10



### HES degree programmes

- The curriculum is a three year programme plus a diploma period, leading to the "Diplôme d'architecte HES"
- The title equivalent to the university level first professional degree of Master in Architecture. The title is allows accreditation by the "REG" (Swiss register of engineers, architects and technicians).
- Admission requirements for the HES programmes are the Swiss Maturité technique (MT), Maturité professionnelle Technique (MPT), French "Baccalauréat", or foreign equivalents.

Foreign students are admitted to the same basis as Swiss citizen.

### General information

The EIG (Geneva Engineering School), was founded in 1901, as a technical and professional state school for engineers and architects. In 1997, the EIG was incorporated into the new network of the Swiss Technological Universities (HES), and is thus now part of the Geneva University of Technology. With its new university-level status, the EIG remains one of the largest Swiss professional schools, with an average of 1 000 students.

The profile of EIG trained architects is that of pragmatic "Designer-builders" and most graduates rapidly become independent office owners.

### Collaborations and exchange programmes

The EIG is part of the new Swiss-french-speaking network of universities (HES-SO), though maintaining its own identity and interdisciplinary traditions. Many conferences and exhibitions of national and regional importance take place in the architecture section. The school receives many foreign students from the nearby french regions and from abroad, due to the international aura of the city of Geneva.

All courses and lectures are given in french, although some contributions (seminars, conferences) can be in english, german or italian. The study programmes can be taken on a full-time, or part-time basis.

### Situation, accessibility

The EIG school is situated in the city center of Geneva, on the right bank, within close walking distance to the

railway station, historical center (17th-18th century), and lake of Geneva.

Today, with a population of about 400'000 inhabitants, Geneva has seen its traditional industries adapt to contemporary science, research and technologies, in response to the particular needs of the rapidly expanding new services industries. It has remained a city open to the world, with a sustained particularly rich cultural life.

### Relationships

From now on, the EIG is part of the interstate structure of the HES-SO, established as a regional network of technological universities including those of the other french speaking states of Fribourg, Neuchâtel, Valais, Vaud and Jura. This network applies to the fields of technology, economy, art and agronomy. In addition to the previous, relationships are also established with the Federal Institutes of Technology (EPF), in Zurich and Lausanne, as well as other institutions. Graduates of the HES can pursue their studies at the EPF after five semesters of HES. Participation on research work with the Lausanne EPF, is carried on by the architecture section, in fields such as housing, solar energy, building materials, etc...

### Facilities

The facilities are housed in a main complex of new and rehabilitated buildings, as well as several outlying buildings in the urban proximity. The buildings and equipments are up to date and in conformity with Swiss and European standards and requirements.

They include:

Several fully equipped computer graphics laboratories, four of which for architecture alone. A General library and a separate Center of architectural Documentation, with over 10'000 books and periodicals. Numerous laboratories related to architecture, such as building materials and products, lighting, acoustics, physics, building economy, photography with dark-room, audio-visual center, model workshop, etc. A general refectory with self-help restauration, coffee-shop, and dining-hall. Sports and gymnastics facilities, etc.

### Educational programmes:

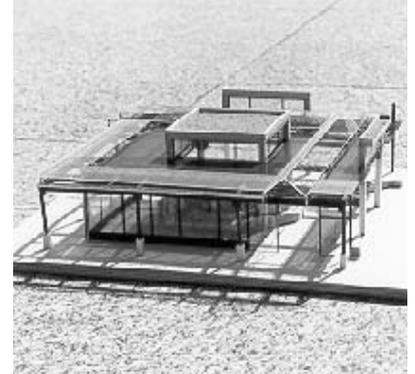
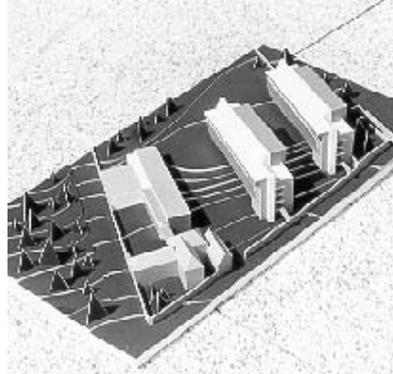
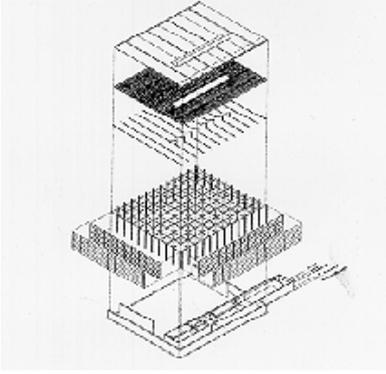
#### Courses of study and of instruction

Studies organisation, terms, duration schedules:  
 Full-time studies take three years, and are completed by a diploma period. The academic year is composed of two 17 week semesters, from week 43 (October) to week 27 (July), with a 5 week seminar and examinations period in September-October. Every year, one week study trips are organized for students of each level of study in the HES.

#### Titles and post-graduate studies

The three year HES program leads to the "Diplôme d'architectes HES", which allows access to the professional practice and accreditation by the Swiss Register of Engineers, Architects and technicians (REG). The european professional equivalence of the title is presently being negotiated.

In Switzerland, the academic equivalence give access, without other examinations, to the 5th semester



level of graduate studies at the Federal Polytechnic Schools (EPF), and beyond, to the post graduate and doctorate studies.

#### **Systems and methods of learning**

Theoretical courses are given to groups of a maximum of 20 students. They include exercises of both individual and team work. For some technical areas of study, computer work is required.

The design project is taught in studios of 10 to 12 students, who work both individually and in groups of two. Periodical critics are held collectively, and constitute an important pedagogical element, often enriched by professional guests invited to take part in the reviews. The evaluation of learning is based on the principle of continuous control, with specific exercises and recapitulatory assignments. A three level ponderation is applied, according to the relative importance of each course.

#### **Duration of periods**

The academic year is of 34 weeks. It is divided in two semesters, and six periods of about 6 weeks each. This system allows for both short and longer term exercises, spreading over several weeks or periods. Professional subjects are taught with directed work or a terminal examination at year's end, in October.

#### **Post-graduate courses**

Assistant functions are limited to 4 year periods, allowing beneficiaries to simultaneously pursue training or studies at higher levels, such as doctorates (PhD).

#### **Relationships with applied research ("Technological transfers")**

The new structure established for higher professional studies (HES), requires of the Technological Universities, an increased activity in the areas of applied research and development. This R&D activity directly benefits the quality of training (post-graduate courses), and relationships with the local economy (Technological transfers).

#### **Post-graduate courses**

The Architecture section has set-up a programme of site-work management, intended for construction professionals. This course is based on case studies, and offers training for interdisciplinary practice.

#### **Other post-graduate courses**

The IG maintains close relationships with the University of Geneva, as well as with the EPFL, Federal Institut of Technology in Lausanne, where other opportunities of post-graduate courses are available, for example:

The Geneva Institute of Architecture offers doctorate (PhD) programmes in the fields of City and Regional planning.

The Geneva HES-LUILLER offers all levels of studies in the fields of Landscape architecture and planning.

#### **Research programmes**

##### **General principles**

Activities of applied research and development contribute to maintaining knowledge up-to-date and to elaborate new methodologies pertinent to the evolution of markets and professional practices.

The IG Architecture section works in co-ordination with other local and regional schools and institutions, in the areas of:

- Research
- Development
- Professional training
- External services
- Construction economy and management
- Competence enters and areas
- Laboratory research and resources are set up with interactive networks linking a variety of "Competence centers",
- Testing, measurement and conception
- Laboratories and research projects
- 

##### **Student activities**

The IG provides cultural and recreational activities for its students such as theater, cinema, games, chess tournaments. The school's students association edits its own journal. It also organizes public and social events, such as exhibitions, talks, debates, disco evenings, etc... Students can also join the school's alumni association, which is very active on the professional scene.

##### **Conferences, exhibitions and conditions**

The center for architectural documentation organizes each year about five architectural exhibitions with conferences by exterior guest speakers.

Each year, one event is reserved for the exhibition of the student's diploma works. All these events are open to the public and visitors, thus providing students and faculty with opportunities to socialise and establish contacts with the exterior world. Every year, the best diploma projects are awarded prizes by several local professional associations (AGA, SIA, INTERASSAR) as well as by the students alumni association (ATG) and by the school itself.

##### **Staff and administration**

The IG faculty is of about 220 full and part-time staff members.

IG Director

Boris KOHLER

Joint-Director, Department of architecture, Civil engineering, Construction and Environment

Claude ZUBER

Joint-Director, Department of Information Technologies

Jacques FRANCOIS

Joint-Director, Department of Mechatronics

Van Khi NGUYEN

Studies manager

Mrs Sylvie WEBER

Administration

Mrs Ann-Dominique TAVERNEY



## Ecole Polytechnique Fédérale de Lausanne (EPFL)

Ecole d'architecture de la Faculté ENAC – Environnement Naturel, Architectural et Construit

Bâtiment Polyvalent

Ecublens

CH – 1015 LAUSANNE

Tél. : 0041 21 693 32 11

Fax : 0041 21 693 73 90

http : //sar.epfl.ch

EAAE Delegate : Professor Luca Ortelli

Tel. : 0041 21 693 32 11

Fax : 0041 21 693 73 90

Application deadline : July 15th

Tuition and fees : 880 Euros (undergraduate programme)

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture	Dipl. architect EPF	2+2+1=5 (plus one year in practice)	REG-Aswiss register of architects	- Swiss baccalaureate - CE Diploma*) - Other countries: reduced entrance examination	600
Master's certificate in... (depending on the programme)	-	1-2 years	-	Selection based on degrees and portfolio	42
PhD	Dr. Es-sciences or Dr. Es-sciences techniques	± 3 years	-	Selection based on degrees, portfolio and thesis research proposal	32

\*) with performance min. 70% in maths, physics or chemistry, mother tongue and one foreign language

### Calendar

Winter term : 3rd week of October – 1st week of February

Summer term : 1st week of March – 3rd week of June

Exams : February-March / June-July / September-October.

### General information

The Federal Institute of Technology (EPFL) in Lausanne is the French speaking counterpart to the ETH in Zurich. Together with the basic sciences and the engineering sciences, the School of Architecture constitutes one of the EPFL's three pillars, thus establishing the link of science to the arts and the humanities.

The School has established a reputation by nominating renowned architects as professors to teach design in conjunction with the research activity carried out by its institutes.

Each year visiting professors are granted full responsibility for at least one semester of design studio in the 3rd/4th year, and in the past have included personalities such as Blumer, Boesch, Bonell, Botta, Chemetov, Chipperfield, Collomb, Colquhoun, Cruz & Ortiz, Diener, Frampton, Fretton, Galfetti, Garces, Gregotti, Huet, Lion, Maurios, Mimram, Moneo, Morger, Podrecca, Ryckwert, Siza, Slutzky, Souto Moura, Venezia, Zbinden, etc. Honorary doctorates have been awarded to Jean Prouvé, Alberto Sartoris, Hassan Fathy, P.H. Chombart de Lauwe,

Alvaro Siza and Bernard Huet. The School of Architecture has approximately 680 students, of which 40% are women and 25% are from other countries. The curriculum consists of a full-time five year programme including a final thesis project.

An additional year out in practice is required at some time between the first and the 5th year. The curriculum focuses on design and design-related construction with a balance of courses and seminars in four major areas of concern : history and theory of architecture and urban design, natural sciences and technology, urban planning, humanities, and the art of representation. The degree (diploma) in architecture gives the right to independent practice in Switzerland. In order to take part in a public competition one has to be a registered architect (REGA) for which a further three years of experience are required.

### Facilities

Lausanne is located on Lake Geneva, and is a half-hour train ride from Geneva. The School of Architecture recently moved to join the campus of the EPFL in Ecublens (West Lausanne).

Each student has a drawing table of his own in the studio with 24-hour access to the school facilities. We consider this to be an important factor to facilitate learning through interactive exchange. A very well equipped model shop, a library connected to other larger libraries with free access to over 18'000 titles and a center of technical documentation are the main resources at the student's disposal. The LESO (Solar energy and building physics laboratory), the ACM (Archives for Modern Construction) and the Sartoris archives represent an important supplementary resource for researchers.

### Educational programme

To become an architect requires more than the management of building : it implies cultural responsibility which goes beyond technology or economics, but also involves the arts and humanities.

The architect has to be able to integrate various disciplines which lead to comprehensive architectural and urban design. We therefore place design at the centre of our educational programme where theory is to converge. We consider that studies in

architecture should be general in their nature.

The curriculum is therefore designed to regard the tendency toward specialisation. The studies are organised in four stages : Two years of fulfilling core requirements with two propedeutical (pre-diploma) exams.

The students of the 3rd and 4th years are mixed; they are free to decide between required intermediate-level courses during the third and fourth years. Twelve months full time out in practice (six consecutive months in the same firm). The thesis year.

The studies are going to be reorganised during the next years, considering that the School of Architecture is now part of the ENAC Faculty. The two other sections are Civil and Environmental Engineerings.

**Theory courses and seminars are offered under the guise of five institutes:**

IA – Institute of Architecture  
 INTER – Institute of Urban and Regional Planning & Design  
 ICARE – Institute of Infrastructures and Environment  
 ISTE – Environmental Science and Technology Institute  
 IS – Structural Engineering Institute

In addition to the theory courses, each institute offers 2-3 problem-based interdisciplinary optional workshops in the upper years (UE-Unités d'Enseignement). With one day per week this modern pedagogy has proven to be efficient and motivating; it also acts as an introduction to research methodologies.

Design and theory of design are given by seven tenured professors and 5 visiting professors, each of them with complete academic freedom to take the responsibility of his own programme. There exists neither a philosophy of "progress" from the small to the large scale during the curriculum, nor one of having to cover imperatively all building types such as education, public buildings, housing, recreation, etc.

Our philosophy is that we need to teach architectural design and to develop the capacity of the student to ask the right questions for any design problem. Each design professor gives a weekly two hour lecture on design theory. This allows each to deliver a less circumstantial and more struc-

tured statement of his/her approach to architecture and its instruments, than a mere casual discussion at the drawing table or a debate in a jury. Final juries (critiques) are the place for debate, or forums of the greatest pedagogical intensity where the participation of prominent architects from the outside is highly valued. The juries are events open to any interested student or professional.

**Postgraduate programmes see also:**

<http://www.epfl.ch/POSTFORMATION>. EPFL's postgraduate courses are not necessarily repeated each year in order to take into account the evolution of contemporary issues, ongoing research and human resources. They tend to be interdisciplinary. The full cycle includes a min. of 600 hours plus 3 to 9 months for a master's certificate.

**Ongoing and future postgraduate programmes:**

- |         |   |
|---------|---|
| 2002/03 | Architecture and sustainable development, in association with other European universities.  |
| 2002/03 | Society, science and technology with a major in urban policy and innovation.  |
| 2002/03 | Development : urban, rural and production developments in the Southern hemisphere; organized by the School of Environmental Engineering.                |
| 2002/03 | Real estate auditing<br>Timber structures design and construction, organised by IBOIS, chair of timber construction in the School of Civil Engineering. |

**Doctorates (PhD) see also:**

<http://sar.epfl.ch>

The first PhD of the School of Architecture was delivered in 1974. Sixty-three doctorates have been granted until 2001. There are twenty-eight doctorates in progress. The time to carry out a PhD at the EPFL is limited to three years. Only doctoral students with a wellprepared research programme are accepted. Only a few of them are at the benefit of a part time job for research or teaching at the university. To be admitted as a PhD student one has to have a diploma of

EPF Lausanne or Zurich or the equivalent. Graduate students with other university degrees may be required to pass an admission examination. Doctoral students whose area of interest coincides with the fields of ongoing research in the school are more likely to find the necessary support.

**Research**

Each institute as well as other units have their research programmes specific to their realm of competence and infrastructure.

**Administration and staff**

All important decisions such as policy or curriculum renewal are taken by an elected Council composed of teachers, students and administrative staff representatives. The decisions are prepared by various committees. The Director of the School is a tenured professor nominated for a four year term by the EPFL's President according to the Faculty Council proposition. Since 2001, Professor Luca Ortelli is the Director of the School. His adjunct assumes administrative continuity beyond the limited terms of the School directors. The exhibition and weekly lecture programme is organised by Mrs. Edith Bianchi.

**Staff**

18 professors, 5 visiting professors, 2 private-docents, 15 lecturers, 55 design studio assistants, 54 research and teaching assistants, 21 technical or administrative staff. Very few of them are engaged full time at the School.

■

# Università della Svizzera Italiana

## Accademia di Architettura

largo Bernasconi, 2  
 CH-6850 Mendrisio  
 Tel. : 41/91 6404848  
 Fax : 41/91 6404868  
 Email : admin@arch.usi.ti-edu.ch

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

The Università della Svizzera Italiana (USI) was founded in Canton Ticino in accordance with the law of 3 October 1995. Courses were opened to students on 21 October 1996. On 9 December 1996 the University was granted subsidies by the Federal Council (Swiss government), and thus gained official recognition.

A member of the Swiss University system, the USI — the only Italian language university outside Italy — also maintains close contacts with Italian universities, mainly in Lombardy. The USI comprises the Academy of Architecture, based in Mendrisio, the Faculty of Economics and the Faculty of Communication Sciences.

The latter were established by a Foundation created and financed by the municipality of Lugano.

At present 270 students are enrolled at the Academy of Architecture of Mendrisio. According to projections, there will be no less than 600 students by the year 2002.

The Academy of Architecture of Mendrisio offers a university curriculum in which the architectural project occupies the central part of training a "New Architect". To this end the programme of studies develops design activities throughout a six-year curriculum embracing historical and cultural, as well as technical and scientific teaching, broken down into two cycles of studies. The first cycle consists of two introductory years, while the second cycle comprises four years of training including a design project lasting one year, thus

enabling the student to obtain the School's diploma.

The official teaching language is Italian. For some activities English is an additional subsidiary language. In order to qualify for admission, students must have the equivalent of a lyceum diploma.

#### Facilities

Mendrisio is a small town with a population of approximately 8000, not far from two easy-to-reach metropolises: Milan and Zurich. The students will find suitable room and board, as well as entertainment and sports facilities for their period of study at the new Academy of Architecture.

The Academy is endowed with three Institutes, located in Mendrisio, the Library, the Archives of Modernity and the Documentation Institute.

These Institutes develop, according to their specific functions, sectors of disciplinary and interdisciplinary research. They thus foster the work of researchers both on and off campus. The Institutes support various departmental courses by means of activities that complement lectures. These include the organisation of exhibitions, conferences and lectures and the publication of various materials. The ties that the Academy has already established are strengthened by the collaboration of these three institutes with the following Swiss and international institutions:

- the Zurich Federal Polytechnic (ETHZ),
- the Lausanne Federal Polytechnic (EPFL).

In the framework of the ERASMUS exchange programme, agreements have been drawn up with the Department of Architecture of the University of Ferrara and the University of Stuttgart. From a logistical point of view, the Academy will be completed by the end of 2001, with the construction of three new buildings including new workshops, conference and meeting rooms, a library and the Documentation Institute.

#### Educational Programme

The Academy's teaching consists of three disciplinary areas: the Department of History and Culture, the Department of Science and Technology and the Department of Architectural Design.

This division into three departments, with the central, predominant role being played by design, is representative of the type of training the Academy wishes to provide. A curriculum in which design is crucial, but which also recognises history and science, as well as knowledge of the past and present, forms a fundamental base and enhances awareness of the creativity developed within the studios (Architectural Design Department).

In the Department of History and Culture the following instruction is envisaged as part of the whole curriculum: Philosophy of Culture; History of Medieval and Renaissance Art; History of Modern and Contemporary Art; History of Architecture; Regional Culture.

In the Department of Science and Technology the following instruction is envisaged during the whole curriculum:

Mathematics, Structures, Technology, Ecology.

The Department of Architectural Design seeks to provide knowledge of the fundamental stages in the development of architecture and urbanism in all its expressions. In this department, the knowledge derived from the teaching provided in all three departments, converges. There are two types of studios in the first cycle: "vertical" and "horizontal," whereas the second cycle has a Vertical Studio, besides a "Design Integrated Laboratory."

During the first cycle, the Horizontal Studio alternates on a weekly basis with the Vertical Studio.

During the second cycle, the Design Integrated Laboratory supplements the Vertical Studio, but special attention is paid ensuring that the interaction of the teaching within the three departments prepares the students for a fresh interdisciplinary approach to design.

The Academy curriculum consists of lectures and studios. The pupils must attend classes, and are expected to participate actively in the studios.

#### **Postgraduate programme**

Beginning in the academic year 1999-2000 the Academy offered a third study cycle, comprising up to three years of postgraduate research.

The third cycle represents a maximum of three years postgraduate specialisation, during which the graduate carries out research aimed in particular at designing and planning. The projects are intended to be research and work instruments for instructing people who are fully capable of operating on a regional scale.

#### **Research Programme:**

The Academy avails itself of a Research Committee which is composed of representatives of the three Departments, the Institutes, as well as non-USI experts, in order to promote interdisciplinary research programmes.

At the present time the Archives of Modernity act as a research centre which promotes investigations into

public and private architectural archives in Canton Ticino (as demonstrated in the exhibition "Architecture and archives in Canton Ticino" 1998) and also into the protagonists of the history of contemporary Italian architecture.

#### **Student activities**

The Academy organises exhibitions especially conceived for students, held at the Mendrisio Museum of Art.

A summer school course for lyceum students - "Introduction to Architecture" - takes place every year in July. It consists of theoretical lessons, field trips to interesting sites and buildings in Ticino, and the presentation of the university curriculum of the Mendrisio Academy.

At the end of every year the Academy organises two computer-aid design courses (AutoCAD and ArchiCAD). They aim to provide an introduction to CAD for the period when the students work in architects' offices, which are equipped with these IT tools.

#### **Administration and Staff**

The Academy of architecture employs 15 professors, 24 assistants, and 10 scientific staff, most of them part-time.

The students participate in frequent field trips, mainly to nearby Swiss and Italian cities (Como, Padua, Basle, Bern, Ljubljana, and others)

The Academy organises language courses and sports activities (aerobics, football, basketball, swimming, etc.) as well as beginners' and advanced level courses in Italian.

#### **Administration and Staff**

The Academy of architecture employs 15 professors, 24 assistants, and 10 scientific staff, most of them part-time.

Director

Aurelio Galfetti

Board of Directors

Aurelio Galfetti, Director; Carlo Bertelli,

Department of History and Culture Delegate;

Mario Botta,

Department of Architectural Design Delegate;

Alfredo Pini,  
Department of Science and Technology Delegate;  
Pierluigi Nicolini, external delegate (Milan); Werner Oechslin, external delegate (Zurich)

Co-ordinator of the Library (ad interim)

Aurelio Galfetti

Co-ordinator of the Documentation Institute

Gabriele Cappellato

Co-ordinator of the Archives of Modernity

Letizia Tedeschi

Administrative Director

Michele Morisoli

■

# Eidgenössische Technische Hochschule Zürich (ETHZ) Swiss Federal Institute of Technology Zurich

## Department of Architecture

ETH Hönggerberg, CH-8093 Zürich

Tel. : ++41 1 633 28 85

Fax : ++41 1 633 10 53

EAAE Delegate: Prof. Marc Angéilil

Tel. : ++41 1 633 28 43

Fax : ++41 1 633 11 83

For further information see: <http://www.arch.ethz.ch>

Application deadline: 31st July

Annual tuition and fees: 1'214.— / 1'845 EUROS Swiss Francs (undergraduate programme)

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
Architecture	Dipl. Arch. ETH	2+2+1 = 5 (plus 1 year internship)	REG-A Swiss register of architects	Swiss baccalaureate	206
Masters	master's certificate (Dep. programme)	1-2 years	---	ETH diploma or of Institute of higher education or equivalent	42
PhD	Dr. technical sciences	+ 3 years	---	selection based on degrees and thesis research proposal	59

CALENDAR	Winter term	:	4th week of October – 1st week of February
	Summer term	:	1st week of April – 1st week of July
	Exams	:	February-March, September-October

## General Information

The Swiss Federal Institute of Technology (Eidgenössische Technische Hochschule Zürich) is the largest technical school in Switzerland. It is a German speaking school whereas EPF Lausanne is its French speaking counterpart.

The Faculty of Architecture has established an international reputation by nominating renowned architects as professors to teach architectural design in conjunction with the teaching and research activities carried out by its four institutes: Institute for the History and Theory of Architecture, Institute of Building Technology, Institute for Preservation of Historical Monuments and Sites, Institute for Local, Regional and National Planning.

Each year carefully selected visiting professors are granted full responsibility for at least one term of design studio in the 3rd/4th year.

The Faculty of Architecture has approximately 1'150 students of which 37,2% are women and 23,5% foreigners.

The curriculum at the ETH is intended to provide a broad and balanced base for professional life. It is neither desi-

red nor feasible to provide for specialization. Instead, students are encouraged to recognize and develop their own inclinations and skills vis-à-vis professional practice.

## Educational Programme

The work of an architect is to create, change and sustain an environment which will enhance the lives of those who inhabit it. This environment is formed using architectural means in accordance with the needs of the individual, and of society. As a result of cultural changes, architects, like most other professionals, are confronted today with a fluctuating economy, ever-changing social conditions and a multi-faceted, shifting range of professional practice. Architectural education at the ETH therefore does not assume a stable and static work environment. It focuses instead on the communication of the basic knowledge and the development of the fundamental skills which are necessary in the growing scope of architectural practice.

The curriculum is divided into three disciplinary courses of study. The first includes architectural design and

building construction, supplemented by training in visual studies.

The second includes the technical courses and the associated prerequisites in the natural sciences. The third covers history, social science and mathematics.

Admission to the pre-professional course of study (beginning in the fifth semester) is predicated upon the completion of a nine-month internship. A total of twelve months of internship is required for graduation. Normally, the internship is completed after the second year of study.

In the course of the pre-professional curriculum, knowledge is particularized, and independent work on larger architectural projects is encouraged. After the eighth semester, the students are required to complete a ten-week thesis project.

The curriculum makes provisions for a credit system. The school maintains student exchange programs with schools in the USA, India, China, the Netherlands, Great Britain and Germany. International students are subject to the same rules as Swiss students and can study one to a maximum of two semesters at the host school.

### Facilities

The faculty of architecture is situated about 20 minutes by public transport from the centre of Zurich on Höggerberg.

Each student has a working station of his own in the studio with 24-hour/7 days a week access. The work stations are equipped with advanced animation software. A computer numerically controlled manufacturing laboratory is at the disposal of the students. Furthermore they have access to an architectural library connected with the main library of the school as well as to an information and documentation centre for building technologies and construction.

### Research

Each of the four institutes mentioned above as well as the chairs for architectural design and other units have their research programmes specific to their realm of competence and infrastructure, see research projects <http://arch.ethz.ch.GUIDE.faculty>.

### Postgraduate Programmes

42 postgraduate students are presently enrolled. The postgraduate curriculum is structured for graduates of the ETH as well as for potential applicants with comparable college diplomas. It offers a deeper course of studies in various aspects of architecture.

The organizational framework for these post-graduate studies is quite broad. The "NDS Architektur" can be completed as a one year long full-time course of studies or a two year long course of studies in combination with professional activity. Five of the programs currently offered are structured through coursework. The other programs involve "independent study" and allow the students in certain areas to study topics which they choose. Their work is coached by the professor responsible for that topic. In each of the programs, the course of study culminates in a thesis. Following the successful completion of the thesis, a diploma is conferred.

A prerequisite for admission is a diploma from the ETH or from an institute of higher education recognized by the ETH, or an equivalent diploma. See postgraduate studies <http://arch.ethz.ch.GUIDE.studies>.

### Doctoral studies (PhD)

59 doctoral students are presently enrolled.

The time to carry out a doctoral degree at the ETH is limited to three years. Only doctoral students with a well prepared research programme are accepted.

In order to be admitted as a doctoral student one has to have a diploma of ETH Zurich or Lausanne or an equivalent degree. Graduate students with other university degrees may be required to pass an admission examination.

### Publication

The Yearbook of the Faculty of Architecture (<http://www.arch.ethz.ch>) includes student work produced during the previous two semesters, in an academic exchange program or as part of a thesis project. It describes at least preliminarily the entire breadth of the teaching and research activities which, in addition to the design studio, characterizes our school. It serves at the same time as catalogue of the annual exhibition.

### Student activities

The student association "architektura" is actively involved in matters concerning the curriculum and other matters of concern to the faculty and/or students. Their representatives participate in the Faculty's Council.

Since 1997 the "architektura" has published the magazine series "trans": transPosition, transCity, transForm, transID, transStyle, transSuisse, transHuman and transReal.

Throughout the year there are several contests on Architectural Design sponsored by the School or private companies. The students also participate in European competitions.

### Administration and staff

All important decisions such as policy or curriculum reform are taken care of by an elected Council composed of faculty, junior faculty, students and administrative staff representatives. The decisions are prepared by various committees.

The head of the faculty is a tenured professor elected for a two-year term by the Council.

The faculty employs 24 professors, 7 assistant professors, 5 visiting professors, 44 lecturers and 189 junior faculty (full or part-time), 20 administrative staff.

Dean:

Prof. Dr. Vittorio Magnago Lampugnani

Vice-dean:

Prof. Dr. Otto Künzle

■

# Middle East Technical University (METU)

## Faculty of Architecture

### Department of Architecture

06531 METU, Ankara EAAE Delegate: Türel Saranlı  
 Tel. : +90-312-210 22 03 Tel. : +90-312-210 22 40  
 Fax : +90-312-210 12 49 Fax : +90-312-210 12 49  
 http : //www.vitruvius.metu.edu.tr  
 Application deadline : Undergraduate November 16th for ÖYS and YÖS registrations  
 Postgraduate : November 6th and May 3rd  
 Tuition and fees : 420,- Euro (undergraduate program)  
 (1540,- Euro for foreign students)



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
B.Arch in Architecture	Architect	4	TMMOB Turkish register of architects	▼ examination (ÖYS) ▼ other countries: examination (YÖS)	70	% 64
M.Arch in Architectural Design		2		B. Arch degree/portfolio/ letter of intention/	28	% 64
M.S. in Building Science		2-3		B.Arch or B.S. degree/ portfolio/letter of intention/	12	% 80
M.S. in Restoration		2-3		B.Arch degree/ portfolio/ exam/interview/	4	% 44
M.A. in History of Architecture		2-3		B.Arch or B.A. degree/ portfolio/letter of intention/ exam/interview/	8	% 80
Ph.D in Architectural Design	Dr.	4		M.Arch degree/portfolio/ letter of intention/	2	% 25
Ph.D in BuildingScience	Dr.	4		M.Arch or M.S. degree/ Portfolio/letter of intention	2	%33
Ph.D in Restoration	Dr.	4		M.Arch degree/portfolio/ letter of intention/exam/ interview	1	% 50

### Calendar

Winter term : 4th week of September - 4th week of January (final exams included)  
 Spring term : 3rd week of February - 4th week of June (final exams included)  
 Summer school : end of June-Mid August

### General information

As distinct from other schools for higher education in Turkey fashioned after European models, METU established in 1956 as the Middle East Institute of Technology, has an academic system similar to those of the AngloAmerican universities in United States. Supported by UN through UNESCO its primary mission had been the training of professionals required for urbanism, housing, construction and planning in developing countries. Conceived as an international university to be in pace with the changing and growing world of knowledge, the language of instruction is English ever since. Learning to reach sources worldwide, to evaluate critically what has been reached and to be creative and innovative have been permanent motives. Together with Arts and Sciences, Engineering, Administrative Sciences, and the recent Educational Sciences, Architecture is one of the five faculties of the University. Besides the Department of Architecture it comprises the departments of City and Regional Planning and Industrial

Design. Department of Architecture, which is one of the two initial departments of the University in 1956, from the very first years on has been the most preferred school of architecture in Turkey.

### Facilities

The Faculty of Architecture is the initial building constructed in the METU Campus which was, in 1963, well outside the city limits of Ankara. The University buildings are arranged on a major axis (a pedestrian alle) along the crest of a long bulging site.

As the seat of Government, Ankara is the center of politics, and social and cultural life is enriched by both Turkish and foreign cultural institutions. Besides the varied facilities offered by the city, the Campus itself has turned into a small town with facilities required to support a round - the - day living for a twenty-five thousand population besides facilities for study and research. The open-stack Central Library owns 290.000 books, 130.000 bounded volumes of periodicals and has 1818 subscriptions to

periodicals. Faculty of Architecture has a Documentation Center (DOME), and a Slide Archive with a 70.000 slide collection. The Faculty also has well equipped CAD and 3D studios with printing, plotting and scanning functions and a GIS workstation.

There are two audio-visual rooms equipped with video and CD Rom display facilities. Building Materials and Chemistry Laboratory and the Photogrammetry Center serve basically the Restoration programs. Solar House built by students is a laboratory for research in energy and environmental control. Wood and metal workshops, printing and photography studios give service to a great variety of production in the Faculty.

Architecture Information Center (ARCHIC) handles the information to and from the Department regarding relations with architectural institutions and offices, building industries, research institutes and architectural schools in Turkey and abroad.

### Educational program

Legally, a full-time four-year program is required for undergraduate study in Turkish universities other than faculties of medicine. In the METU Department of Architecture each academic year comprises two semesters of fourteen weeks, Fall and Spring, and a two-month practice period during each summer in the first, second and third year. The Program leads to B.Arch degree and the title of architect. Design studios considered as the core of the Program are aspired to be the melting pot of studies in the variety of courses given. Each semester's work done in the studios is evaluated by final juries which are significant events open to all interested. In general individual work guided by criticism is emphasized.

Compulsory and elective courses exist under following study areas:

- Basic Design and Visual Communication
- Architectural Design and Theory
- Building Science
  - Construction
  - Structures
  - Environmental control and services
- History of Architecture
- Landscape design and planning
- Urban studies and planning
- Professional practice

Objective of the first year is to familiarize the student with basic concepts about the built environment and with creative methods and techniques. Development of skills and aptitude in recording observations, experiences and thoughts, in reading and critical evaluation, in incorporating knowledge acquired from studies in other disciplines into design, and in expressing ideas verbally and through methods of visual communication are expected. In the second year students are introduced to basic principles and conventional technologies for building structure, construction and environmental control. They are expected to develop the skill to use and experiment with these in designing simple environments for small groups of people with a sensitivity for site and context. More advanced knowledge in building science and technologies is

expected to enable the third year student in dealing with more complex design situations involving social groups and demanding the use of more complex engineering systems in building and environmental control.

The fourth year demands from the student the use of the background knowledge and experiences from the previous years in complex and specialized design situations where the proposals are expected to be presented in detail. The projects given are wider in scale (urban and regional) and scope.

### Postgraduate program

There are four master's and three doctoral programs offered by the Department for specialized research in various subjects related with the major areas. The primary mission is to train graduates further for their professional careers in architectural practice, research and education. Some research assistantships are available for Ph.D students.

### Research program

Specialized research is conducted in various subjects related with major areas and topics in the postgraduate programs predominantly as disciplinary study by singular or small groups or researchers. Sometimes protocols with specific conditions are made with private and public bodies for research in subjects of mutual and social interest.

METU has two mechanism that regulate scholarly and applied research. Research Fund for Projects provides financial support for project proposals by staff which are approved after evaluation by referees. Revolving Fund for Research, Development and Implementation handles financial transactions involved in giving professional services demanded by private and public bodies outside the University. Research collaboration with other institutions and scholars is also done via these mechanisms. Architectural projects for buildings and building complexes and photogrammetric survey, preservation and restoration projects of historic monuments and sites are carried out by means of the Revolving Fund. These projects are where interdisciplinary research and work are to be seen more.

Housing Research Center of the Faculty is a multi-disciplinary unit which also provides services to post-graduate studies.

### Student activities

Every summer two to three week journeys are organized by students to European countries for architectural sight-seeing. One or two members of the staff specialized in the architectural aspects and features of the places to be visited are assigned by the Department to prepare the itinerary and to chaperon these student groups. Such extra-curricular journeys in the summer within and outside Turkey are also being formulated as partial fulfillment of an elective curricular course in the Fall Semester. Students participate in EASA meetings. They also organize together with students from other schools in Turkey national and international meetings of architectural students for thematic workshops. Student competitions with various themes sponsored by prize-giving institutions or individuals are opened every year. Archiprix in Istanbul organizes an annual awards-giving for graduation projects in architectural schools in Turkey.

### Administration and staff

Department Council composed of the staff members decides on all important issues. The Chairperson is elected by the Council for a three-year term.

### Staff

10 professors, 14 associate professors, 7 assistant professors, 21 instructors, 1 specialist, 24 research assistants, and 21 part-time instructors.

Dr. Yildirim Yavuz, Prof  
Chairperson of the Department

Dr. Selahattin Önür, Assoc. Prof.

Dr. Abdi Güzer, Assoc.Prof.  
(Head of the Architectural Design Program)

Dr. Arda Düzgünes, Assoc. Prof.  
(Head of the Building Science Program)

Dr. Suna Güven, Prof.  
(Head of the History of Architecture Program)

Dr. Emre Madran, Assoc. Prof.  
(Head of the Restoration Program)

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# Eastern Mediterranean University

## Faculty of Architecture

Department of Architecture  
 Gazimagusa, via Mersin 10 Turkey, North Cyprus  
 Tel. : +90 392 630 1049 / 630 2588  
 Fax : +90 392 365 0918  
 e-mail : sebnem.onal@emu.edu.tr (contact person)  
 www-adress: www.emu.edu.tr  
 www. arch.emu.edu.tr

### Degree programmes

Degree/Title	Minimum duration of study	Accredited	Admission requirements
B.Arch	4 year		High school degree
M.Arch	1 year	Register of architects	BSc-Architecture or BArch
M.A.	1 year	Register of architects	Degree in Arts or other related fields
Phd –Architecture	2 year		March-Architecture (or equivalent)

### Admission and Tuition Fees

Nationality	Term Fee (US Dollar) (inc. VAT)
Turkish Republic of Northern Cyprus	800 (830)
Republic of Turkey	1650 (1715)
Other	1900 (1972)

### Faculty of Architecture

(Dean: Prof. Dr. Zafer ERTURK)

The institutional goals of the Faculty of Architecture are not only teaching and research but also contributing to the surrounding community to help it evolve in its social, cultural and physical contexts. It aims to offer a contemporary education in an environment ideal both for aspiring professionals and those wishing to study more theoretical aspects of architecture. Currently the Faculty houses two departments – Architecture and Interior Architecture. New departments will also be established as the Faculty grows and the University continues to distinguish itself as an educational institution both regionally and internationally. Owing to its interdisciplinary nature, the study of architecture involves a range of issues - from the social and cultural to the environmental or technical that relate to the built environment. In the undergraduate programs the greatest emphasis is placed on the design courses, which are the center of life in the Faculty. Other courses dealing with technical or engineering issues or humanities are considered to be an integral part of the educational experience, and are organized with a view to supporting this backbone. An emphasis on computer-aided design provides the student with additional capabilities for keeping up with contemporary technologies.

The freshman year is designed to provide a common foundation for all students to develop their theoretical

bases and designing and graphic skills; students are then able to review their choice of department in the following year. Compulsory summer practice periods are part of the undergraduate program, beginning in the freshman year. Within this context, the students spend approximately four to eight weeks of each summer holiday doing practical work in the field and in an office environment. The opportunities for a student to follow the academic path most appropriate to his or her individual goals are broadened further in the program, with specialized electives designed to lead to focused work in major areas of study.

Graduate programs of study leading to Masters and Ph.D. degrees are designed to offer a variety of possibilities for specialization in keeping with international standards of graduate education. The flexibility of the graduate programs enables students to pursue advanced studies in accordance with their own research and career objectives.

### Department of Architecture

(Chair: Assoc. Prof.. Dr. Can KUMBARACIBASI)

The Department of Architecture was established in 1991, and has grown rapidly, setting a standard for contemporary architectural education. The educational philosophy of the Department is to create a balance between theoretical and practical education, while providing standards

of professional training which will be useful to graduates in their future professional careers.

The Department of Architecture offers an undergraduate program of study leading to the degree of Bachelor of Architecture -B.Arch., and graduate programs leading to the degrees of Master of Architecture (M.Arch.), Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) in Architecture.

### The Undergraduate Program

The undergraduate program brings together the various aspects of architecture in a natural, progressing order. In both undergraduate and graduate programs, the goal is to prepare students for a successful transition to the practical applications of architecture to life, or for further academic studies. For this reason, the program includes major compulsory electives during the last two semesters of the program; students are encouraged to choose their specific fields of study and to create an educational concentration in different fields.

Architecture embraces a wide spectrum of subjects ranging from applied sciences to social sciences and aesthetics; the curriculum of the Department is structured around these basic and interrelated sub fields of study: Design, integrated with related theoretical courses, Engineering Issues, and Humanities. The teaching philosophy of the Department is to provide an education which endows

students with sound cultural awareness and the capability to keep pace with the fast-developing modern world of high technology, while training them as professional practitioners. A great deal of emphasis is placed on developing the students' sense of creativity and analytical thinking; skills which are considered vital factors in the making of an architect. In the meantime, the Department has been working on Curriculum Development, and the up-dated and developed curriculum is intended to be in action from 2003-2004 Academic Year onwards.

#### **The Postgraduate Program**

Applications to the graduate programs at EMU are accepted twice a year, prior to the beginning of each semester. All applicants for whom English is a second language may be required to pass a proficiency examination, or present a recent TOEFL score above 550. Bachelors degree requirements for Master s level programs are as specified in the program descriptions below; Ph.D. program requirements in addition to the Master's qualification prior to entry, vary depending on the program.

Prospective applicants are required to fill out an application form available at the Registrar's Office, and submit the completed form, together with a letter of reference and an official transcript of all graduate and undergraduate coursework completed up to the time of application. Candidates who are not citizens of the Turkish Republic of Northern Cyprus or the Republic of Turkey, are required in addition to submit a document of financial guarantee showing that sufficient funds are available for tuition and living expenses.

The Department of Architecture offers a program of study leading to the degree of Master of Architecture (M.Arch.), Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) for students whose training and orientation are in architecture and/or in other, closely related disciplines.

The objective of the graduate program in architecture is to create a high quality research environment at an interdisciplinary level, which promotes specialization in different fields of architecture. Within this environ-

ment, the program provides students with further training in preparation for their professional careers in architectural practice, research and education.

The major fields of study available to a student fall into the following groups: Theory of Architecture and Design; Construction/Structure; Interior Design; and Urban Design. The major may be designated as "project-oriented," " theory-oriented," or " mixed fields". In the course of the programs, as a student's initiative and creative application are observed and evaluated by the supervisor, who guides and assists the student's the developing and focusing his/her potential and intentions towards an academically satisfactory fulfillment. The essential goal in these studies is for the student to become informed and aware of contemporary developments in the world, and to achieve an appropriate academic standard through research and design, in specialized subjects.

Currently there is 27 registered PhD and 42 registered M.Arch. students within the postgraduate program of the Department. The total number of completed thesis since 1993, the year in which the postgraduate program was established, is 53, 5 of which are Ph.D. theses and 48 of them are M.Arch theses.

#### **Facilities**

The Faculty of Architecture is situated on the EMU campus in the historic city of Gazimagusa, which is famous for its Walled City dating back to Venetian period.

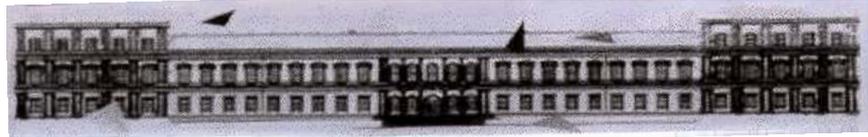
The Faculty of Architecture houses all the facilities needed for teaching and research. It has a 'study centre' (Ahmed Bahaeddin Library) for self-study including a number of books and numerous periodicals, a slide archive, a map archive containing a great variety of topographical maps of the settlements of Cyprus, a project archive containing a number of projects designed by the students and teaching staff for various purposes, a fully-equipped CAD studio, .. computer laboratories, a model laboratory and a laboratory for materials and construction.

The Faculty also houses two research centers – Urban Research and development Center and Design and Research Center, which are carrying our research and developing projects at both national and international levels. ■

# Istanbul Technical University

## Faculty of Architecture

Taskisla Taksim 80191  
Istanbul Turkey  
Tel. : ++(90) 212 245 2753  
Fax : ++(90) 212 251 4895  
http : //www.itu.edu.tr



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	% of total admission
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#### General Information

Istanbul Technical University had been established by Sultan Mustafa III in the year 1773 as Imperial Naval Engineers' School (Muhendishane-i Berrii Humayun) to train military engineers. The school was fully separated from military branch in 1909, a year after the declaration of the Second Constitutional Monarchy. The name was changed to Engineers' School (Muhendis Mektebi) and was attached to the Ministry of Public Works. Engineers' School finally became the Istanbul Technical University in 1944.

The Faculty of Architecture is one of the oldest faculties of the University. Instruction in architecture started in 1928 at the Higher School of Engineering, where classes for civil engineering and architecture were held jointly during first three years. The Department of Architecture had its first graduates in 1931. By 1936, students were given an examination after initial two years of the common program, for selection into the programmes in architecture. A separate six year program for architecture was launched in 1940. The curriculum was revised in 1944 after the school was transformed to Istanbul Technical University, the department gaining the status of Faculty, and duration of studies was reduced to ten semesters. An overhaul of the programs was implemented between 1955 and 1990 when new courses were developed. An administrative reorganization was carried out in 1973 creating five academic divisions and thirteen 'chairs'. Undergraduate and post-graduate study system was developed in 1969-1970 by the University and Faculty of Architecture adjusted its program in 1974-1975, whereby the duration of undergraduate study was reduced to four years. The faculty

changed from chair system to departmental organisation in 1982 and Departments of Architecture, City and Regional Planning were established. Department of Industrial Product Design first initiated with a graduate program in 1989 and then in 1993 the department started under graduate education. Postgraduate study is currently pursued at the Institutes of Science and Technology and Institute of Social Sciences.

There are four divisions in the Department of Architecture. These are Architectural Design, Building Technology, Restoration, History of Architecture. Department of City and Regional Planning have two divisions which are City Planning, Regional Planning. Department of Industrial Product Design is not divided yet. 83 lecturers and 61 teaching assistants are working in the Department of Architecture. There are 5 lecturers and 7 teaching assistants in Industrial Product Design Department. 18 lecturers and 9 teaching assistants are teaching in the Department of City and Regional Planning.

#### Facilities

There are 5 campuses of Istanbul Technical University. Taskisla building which houses the Faculty of Architecture, among other facilities and institutes of the university has a remarkable location within the city. It is not only walking distance from the Dolmabahce Palace but also very closely located to the cultural center-Taksim, and the Pera quarter. The history of the building starts in 1847 during the Ottoman Period. It was established as the School of Medicine (Mekteb-i Funun-u Tibbiye) by the order of the reigning Sultan Abdulmecit. Designed by the royal architect of the British Empire, M. Smith; due to arising necessities was

later converted into military barracks in 1849. Following an earthquake in 1884, the building has gone under a restoration which was supervised by the famous architect of the time: Raimondo D'Aronco.

Another restoration was carried in 1944 by Paul Bonatz and Emin Onat, and the building still shows the reflections of this extensive restoration.

There are many laboratories and ateliers in the Faculty. Building Materials Laboratory is composed of mechanics, physics and chemistry departments and used for research and educational purposes. Physical Environmental Control Laboratory consists of climate, lighting and acoustics departments.

There are modeling ateliers for architecture and industrial product design. Printing atelier has opportunities for publishing books and copying materials.

Industrial Product Design Laboratory serves students and lecturers. A photo-film atelier could be used for shooting and printing photographs. A GIS Laboratory serves for information systems. There are two libraries in the Faculty of Architecture. Library of the Faculty of Architecture has 20176 pieces of books. There are 2512 volume of periodicals in the periodical library. The periodical library was subscribed 80 periodicals for the last year. Students and lecturers could use 28 personal computers in the computer center. There is also a classroom which has 34 PC for CAD and other computer courses.

Faculty of Architecture organized some activities, like exhibitions, competitions, workshops, seminars, in



collaboration with Chamber of Architects, Building & Industry Center, other faculties, foreign educational institutions and private companies.

#### Educational Programme

Departments of Architecture, City and Regional Planning and Industrial Product Design have undergraduate program in the Faculty of Architecture. The students graduated from high schools take a general Student Placement Exam for Turkish universities. There is a high school quota for the eligible students obtained from high school scores.

There are 70 elective courses given in Turkish and 26 elective courses which are given in English. 3 English spoken foreign lecturers participated in different courses of Department of Architecture in this year.

Courses in Department of City and Regional Planning could be classified as follows: Non-technical courses 18 %, technical courses 55 % and elective courses 27 % of the total courses in the Department of City and Regional Planning. There are 8 elective courses given in Turkish and 8 elective courses which are given in English.

Courses in Department of Industrial Product Design could be listed: Non-technical courses 20 %, technical courses 56 % and elective courses 24 % of the total courses in the Department of Industrial Product Design. There are 23 elective courses given in Turkish and 7 elective courses which are given in English.

Double major studies in architecture and other departments in ITU are encouraged to be realized. A suggestion is developed for architecture - city and regional planning programs. Double major studies are expected to progress the motivation and performance of the students and it will be suitable for the student profile of ITU. Under-graduate students have to pay supplementation portion, which is defined by general regulations according to departments.

Studies are continuing to obtain accreditation possibilities with NAAB. The conditions for accreditation were progressed with the new curriculum in the Department of Architecture.

#### Post-graduate Programme

Post-graduate work in ITU can be done at the Institute of Science and Technology and the Institute of Social Sciences. The candidates must possess a Bachelor's degree or equivalent, to gain admission for a Master's Degree program by course work and thesis. The entrance examination consists of questions and problems based on undergraduate programs in the related field. The candidate must be proficient in English since part of the courses are in this language. He/she may also take all the courses in English if required. The post-graduate programs in architecture are:

- Architectural Design Program
  - Building Construction Program
  - Restoration Program
  - Construction Management Program
  - History of Architecture Program
- The post-graduate programs in City and Regional Planning are:
- City Planning Program
  - Urban Design Program
  - Landscape Design Program
  - Regional Planning Program

There is also a post-graduate program in Industrial Product Design. A doctoral thesis may be submitted following at least four semesters of coursework and research. Admission to any program is possible following an examination in English, which is followed by another in the field of research.

Research assistant fellowship organized by Institutes and Research Fund of ITU in masters' degree and PhD programs.

#### Research Programme

The members of the faculty of architecture have been working on research and application projects in the different areas of interest of architecture. The projects are funded by the research centers of the University which are; Environment and City Planning Research Center, Building Construction Research Center, Istanbul Researches Center, Building Construction Management and Cost Research Center.

National or international conferences, symposiums and seminars had been organized by the Faculty staff in every year.

Turkish Scientific and Technical Research Center (TÜBİTAK), National Planning Organization (DPT) and

other international and national organizations like MED-CAMPUS, Turkish Mass Housing Organization have supported many researches which were organized by researchers from Faculty of Architecture.

Researchers of Faculty of Architecture and Faculty of Civil Engineering in Istanbul Technical University were founded Housing Research Unit as a sub organization of Construction Technologies Research Group of Turkish Scientific and Technical Research Center (TUB?TAK). Some international and national housing researches are planning to organize in Housing Research Center.

#### Student Activities

Student representation system has been used in ITU. Represents of the students are in contact with the Deanship of the Faculty on the subjects of teaching program, physical opportunities in the faculty, scholarships, social and cultural activities. Health facilities for students are covered by ITU. Students can be use sport facilities of the university located on 5 different campuses.

There is a council of student representatives. There are also student activity clubs in Faculty:

- Computer Aided Design Club
- Architecture Club
- City and Urbanization Club
- Industrial Product Design Club

Students organize technical excursions in Turkey and to other countries. They have a periodical which is called Beyaz Duvar (White Wall).

#### Administration

Dean of Faculty of Architecture:

Prof. Dr. Mine Inceoglu

Vice Deans:

Prof.Dr. Gülen Çagdas

Doç.Dr. Mehmet Ocakçı

Chairman of Department of Architecture:

Prof. Dr. Ayla Atasoy

Chairman of Department of City and Regional Planning:

Prof. Dr. Yücel Ünal

Chairman of Department of Industrial Product Design:

Prof.Dr. Nigan Bayazıt

■

## Brighton University

Faculty of Arts and Architecture

### School of Architecture and Design

Mithras House  
Lewes Road  
Brighton BN2 4AT, UK  
Tel. : ••44.1273.642349  
Fax : ••44.1273.642348  
Email : d.robson@brighton.ac.uk  
http : //www.bton.ac.uk/archid/

Application deadline : May



#### Degree programmes

Programme	Award	Stuy Duration	Accredited Requirements	Admission	Enrolment	% of total
Undergraduate Architecture	BA (hons)	3 years	RIBA Part I	A level or eq.	45 (130 total)	210 total 39%
Interior Architect	BA (hons)	3 years		A level or eq.	28 (80 total)	24%
Postgraduate and Professional Architecture	Diploma / MA	2-2.5 years	RIBA Part II	degree	35 (70 total)	125 total 21%
Interior Design	Diploma / MA	1-1.5 years	(RIBA Part II)	degree	15 (15 total)	4%
Architectural Management	Diploma / MA	1-1.5 years	(RIBA Part II)	degree	15 (15 total)	4%
Professional Practice		1 year part-time	RIBA Part III	RIBA Part II	25 (25 total)	7%

#### General Information

The University of Brighton School of Architecture and Design has recently been reorganised to embrace studies in architecture, interior design, fashion, textiles and three-dimensional design and is one of three schools which together make up a new Faculty of Arts and Architecture. The new school constitutes a unique centre devoted to a range of design disciplines in which students can benefit from shared courses and shared facilities.

This is one of the very few UK schools in which architects and interior designers study together under the same roof, follow joint courses and take part in joint studio projects. It is committed to the notion that students need to develop a solid base of knowledge and experience, to broaden the range of their skills, to stretch their capabilities for invention and creativity and to extend their theoretical grasp of their chosen subject.

#### Facilities

The life of the school revolves around generous top-lit studios where every student is provided with an individual work station. There are also exhibition galleries, workshops, computer facilities, laboratories, photographic studios and darkrooms and excellent libraries. In addition students can make use of a range of facilities in the Faculty of Arts and Architecture and in the Faculty of Science and Engineering.

The School remains relatively small in terms of student numbers. The staff embrace a wide range of experience and specialisation and comprise a mixture of full-time academics who combine teaching with research and consultancy, and half-time tutors who are also engaged in practice. Visiting specialists, critics and consultants also contribute to both teaching and research.

#### Undergraduate Courses

The Degree Course in Architecture offers a broad and general curriculum for the education and training of architects, equipping them either to progress to a recognised postgraduate diploma course in architecture, or to undertake graduate studies in some other discipline, or to embark directly on a career in any one of a number of design and construction related fields. The course is largely project based and design oriented. Student learn basic drawing and communicational techniques which are later augmented by CAD skills. Studio work is backed by a range of technical and theoretical lectures and students are made aware of the interdependence of conceptual thinking and technological realisation. The degree of BA in Architecture carries exemption from Part I of the RIBA Examination in Architecture.

The Degree Course in Interior Architecture attracts students both from art foundation and technical vocational backgrounds. It shares a number of technical and theoretical

lecture programmes with the Architecture Course, but offers an independent and particular studio culture. The course stresses the link between conceptual ideas in spatial design and their concrete realisation. Students explore the transformation of existing spaces, proceeding from a study of the relationship between external and internal space, via an understanding of 'life led' within a space to the formulation of proposals for the design of a material enclosure and a well-tempered environment.

#### The Postgraduate Menu

The diploma programmes were recently restructured to encourage choice and greater scope for specialisation. A one year Pre-Diploma Programme in Architecture offers a challenging transition between undergraduate/RIBA Part I studies and the more specialised postgraduate programmes. Three alternative one-year postgraduate diploma programmes are currently on offer:

Architectural Design, Interior Design and Architectural Management. Each can be treated as a free-standing programme with its own award or can linked to the pre-diploma programme for the award of Diploma in Architecture with exemption from Part II of the RIBA Examination in Architecture; each can also be upgraded to an MA via a part-time extension programme, the outcome of which may be a written disserta-



tion or a special design.

The intake into the pre-diploma programme is 35 students.

The Pre-Diploma Programme in Architecture offers a varied programme of design and theoretical study. Each year a particular town or part of a city is selected to serve as the focus for studio work and to provide the setting for a sequence of design projects.

These cover a broad spectrum of design problems including urban design, building conservation, housing, interior design and detail design. Students work together with a tutor in groups of about ten. Studio work is supported by lectures in Urban Studies, Landscape, Social Studies, Housing Studies, Advanced Construction and Environmental Studies.

#### The Postgraduate Diploma

Programme in Architectural Design encourages students to specialise and to become expert in an area which particularly interests them. Its main element is the design thesis, a self selected project which is pursued rigorously from brief development and site analysis through to a final design proposal. This is supported by a research study and by theoretical and technical investigations. Each student works with a personal tutor within a tutorial group which shares a common typological or thematic interest, and has access to a panel of specialist consultants and guest critics.

#### The Postgraduate Diploma

Programme in Interior Design offers a unique opportunity to explore the intellectual base of the discipline and to develop skills in the design of interior environments. A case study and a major design project are supported by theoretical course units which use lecture, seminar and tutorial modes to explore the realities of interior space.

Other taught courses on research method and design culture are shared with other programmes in the School.

#### The Postgraduate Diploma

Programme in Architectural Management shares specialist management courses with the Brighton Business School. A case study and a major design project are developed



in tandem with the theoretical studies and are used as vehicles for critical analysis of practice.

#### MA Programmes

Students who wish to develop a more theoretical stance may extend their postgraduate diploma studies by the equivalent of one semester in order to pursue a research interest and complete a written dissertation or a research-based project in any one of three MA programmes. MA work can be extended to an MPhil or PhD.

#### Research Programmes in Architecture and Interior Design

A stimulating programme of research links the academic wing of the School to the world of practice and also feeds and supports teaching and studio programmes. Today it is a central tenet of the School's philosophy not only that research should underpin teaching but that without research and the development of ideas, teaching will stagnate.

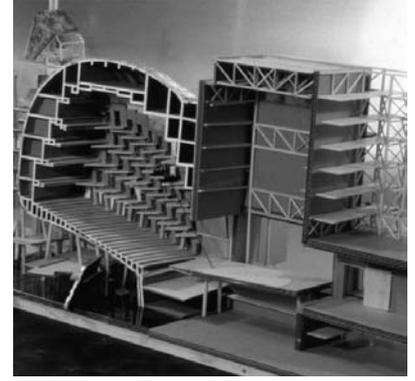
Recent work has included: a nationally sponsored 'teaching company' scheme which is currently developing a taxonomy of the workplace in conjunction with one of the UK's major architectural practices; a series of investigations into socially committed architecture via studies of the design of housing, health buildings and nursery schools; research into sheltered housing and housing refurbishment sponsored by the Housing Corporation, historical studies of selected aspects of 19th and 20th century architecture; monograph studies on the architects Giancarlo De Carlo, Godfried Böhm and Geoffrey Bawa.

'Caravan', the School's research journal, is published annually and contains digests of current work by students and staff.

#### Professional Practice

Diplomates who have gained RIBA Part II exemption may follow a part-time course which combines supervised office training with theoretical studies and can sit the RIBA Part III Examination when they have gained the requisite experience.

Brighton graduates succeed in finding challenging and rewarding work both in the public and private sectors



and are now to be found in offices throughout the European Union and in most corners of the globe.

#### Connections

The School maintains close links with a range of architectural and design practices in London, the South-East of England and beyond, and can offer advice on employment and career prospects. Staff and students serve as members of professional bodies at local, regional and national level, and the School supports the Continuous Professional Development programmes of the RIBA.

Every effort is made to connect the School with its locality and region. Projects are often based in neighbouring towns and students often work together with members of local communities. Whenever possible the results of such work are offered back to the community in the form of an exhibition. Recent collaborative work has extended across the Channel to Dieppe and Rouen in France.

#### Student Activities

The joint architecture and interiors society is called IDeAS. It organises social and cultural events and is represented on school boards. A student newspaper called 'The Mithras Liar' appears fortnightly during term time.

#### Staff

Head of School  
Anne Boddington Dipl Arch MA  
Undergraduate Course Leader  
Marc Hoar, Dipl Arch, RIBA  
Interiors Course Leader  
Jenny Lowe, MA  
Postgraduate Course Leader  
David Robson, MA RIBA  
Reader  
Professor John McKean, BArch  
MA ARIAS MCS D

The School employs a permanent teaching staff of 25 as well as a further 20 part-time tutors. It is supported by its own secretariat and by a team of technicians.

# The Welsh School of Architecture

The Welsh School of Architecture  
Cardiff University

Bute Building  
King Edward VII Avenue  
Cardiff CF1 3NB  
Wales United Kingdom  
Tel. : ++ 44 (0)29 20 874430  
Fax : ++ 44 (0)29 20 874926  
Email : ReesE1@cf.ac.uk

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## Degree programmes

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Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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### General Information

The Welsh School of Architecture is a department housed within Cardiff University, one of Britain's larger Civic Universities with over 15,000 students from the UK, Europe and other parts of the world. Cardiff is the largest constituent member of the federal colleges of the University of Wales.

The School, which has recently celebrated its 75th anniversary last session, is a member of the Faculty of Engineering and Environmental Design with the departments of Planning, Maritime Studies and Engineering. The School is one of the largest in Britain with 320 undergraduates, 47 postgraduates and 35 full-time academic and other staff and 60 part-time tutors and critics.

As the sole School of Architecture in Wales, we are supported by the Higher Education Funding Council for Wales both for our undergraduate teaching and for new research initiatives; although the majority of our research is funded by a number of outside public and private organisations. We are housed in the newly refurbished Bute Building situated in the conservation area of Cathays Park, which forms the Civic Centre at the heart of the City of Cardiff. This special location gives the School a distinctive and fine environment particularly suited for study and research in architecture, allowing us to collaborate easily and effectively with national and regional institutions. Independent analysis of Schools of Architecture has placed us third in the UK. At the last Research Assessment Exercise our research was rated

4, whilst our work at the Centre for Research in the Built Environment was flagged as being of international significance. Teaching at the School has been rated by the Higher Education Funding Council as of an excellent standard.

### Facilities

The School is well funded and enjoys the benefits of a supportive parent institution – Cardiff University, one of the top twelve research universities in the UK.

The School accommodates a cluster of activities of importance to the quality and standards of its academic provision, including those related to learning and teaching, to research, to design and practice, to the profession, and to the outside world. It has a well-stocked and professionally staffed Architecture Resource Centre (library), and computer aided design facilities with strong academic and technical support. Within the School's premises there are: the Centre for Education in the Built Environment, which is part of the UK national Learning and Teaching Support Network; and the Project Office, operating as self-financing architectural practice. The offices of the Royal Society of Architects in Wales are also within the School.

### Educational programme

The School offers a three year BSc followed by a two year BArch with its unique first year of Education in Practice. These degrees give, respectively Part 1 and Part 2, Royal Institute of British Architects (RIBA) recognition. Subsequently, graduates are prepared for examination for RIBA Part 3 final recognition while

undertaking work in practice. The two degrees taken together also fulfill Article 3 of EEC Directive for qualifications in Architecture.

### Postgraduate programme

In addition, we currently have a taught Masters in Architecture course in Environmental Design of Buildings, which may be undertaken full time or part time. Fourteen students are undertaking higher degrees by individual research and a number of students are pursuing MPhil in Design. We envisage that additional Masters courses will come on line in forthcoming sessions in the fields of Building Conservation, Estates and Facilities Management, and in Sustainability.

### Research programme

The Architectural Science research group, is our longest established and largest research group. At the last Research Assessment Exercise its international reputation was 'flagged' as of special significance. Currently, this group has 15 full time staff and an annual income in excess of £350K. Much of the work of this group is focused on the measurement and assessment of the environmental performance of spaces in and around buildings. While real buildings are often the focus of this attention, design proposals are evaluated in our laboratory facilities which include wind tunnel testing and a recently established purpose built artificial sky, capable of simulating both overcast and blue sky and sun conditions. The smaller and more recently set up, Estate Strategy Research Unit (ESRU) is concerned primarily with health care buildings. It has already attrac-

ted research grants of over £200K. Together these two groups make up the Centre for Research in the Built Environment recognised by the Welsh development Agency as a centre of expertise.

Research and scholarship is also carried out in Architectural Theory, History and Design. This group aims to investigate design theory and how historical studies and critical procedure may inform contemporary architectural practice.

Research and scholarship in Professional Methods aims to investigate the changes of context in which the architectural profession works, and to provide tools to enable it to respond effectively.

#### **Student activities**

The Students' Association of the School (SAWSA) is organised by a committee of: President, 11 officers and four year representatives. The committee officers are elected annually, by the students, from members of BSc Year 2. Meetings are called by the President several times each term, as necessary. Matters dealt with include sports, social events (including the Summer Ball), and publication of an annual student magazine Cymrarch. SAWSA also organises a programme of visiting speakers and extra curricular activities such as life drawing classes. Academic and departmental matters are discussed and where necessary brought to the Staff-Student panel for attention. As well as funds raised by members, SAWSA receives some funding from the University Students' Union and, on request for particular items, the School.

#### **Administration**

Professor C Malcolm Parry is Head of School, with Professor Dean Hawkes as Convenor of the BArch Scheme, and Bob Fowles as Convenor of the BSc in Architectural Studies Scheme. Professor Phil Jones is Director of Research.

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## Edinburgh College of Art

### School of Architecture

Lauriston Place  
Edinburgh EH3 9DF  
Tel.: +44 131 221 6071/2  
Fax: +44 131 221 6006  
www.eca.ac.uk/architecture/

Application deadlines : Undergraduate -15th January. Postgraduate – flexible

Tuition Fees at 01.10.02	European Union	Other
Undergraduate	£ 1100 (England and Northern Ireland)	£ 8000
Postgraduate Diploma	£ 2870	£ 6125
Postgraduate MSc	£ 3830	£ 8175
Postgraduate Research	£ 2870	£ 8000



### Degree programmes

Programme	Award	Duration	Accredited	Admission	No. of students
Architecture	B.Arch (hons)	4 years plus one year of practical training	ARB/RIBA Pt 1	see over page	ca 190
Architecture	Dip/M.Arch	9/12 months	ARB/RIBA Pt 2		ca 50
Architectural Conservation	Dip/MSc		If taken as part of the final year in architecture then		ca 14
Urban Design	Dip/MSc		ARB/RIBA Pt 2		ca 14
Research	MPhil/PhD	2/3 years	No		ca 12

### General Information

Architecture has been taught at Edinburgh College of Art since its foundation in 1907. Since 1969 the School has enjoyed associate status and awarded degrees of Heriot-Watt University. The School exists in an art college environment alongside the Schools of Drawing and Painting, Design and Applied Art, Visual Communication, Sculpture and Landscape Architecture.

### International Links & Student Exchanges

The School has strong international connections and there are opportunities for periods of study abroad both through ERASMUS/SOCRATES and contacts with North America and Japan. These links are developing all the time and in recent years, students from the School have spent periods of study ranging from 3 weeks to 9 months at schools of architecture at Stockholm, Lund, Aarhus, Copenhagen, Aachen, Paris, Rennes, Barcelona, as well as the Rhode Island School of Design and Kansas University, USA, and Kinki University, Hiroshima, Japan.

### Prizes & Scholarships

Architecture students have access to a wide range of College of Art prizes and scholarships, which assist students in studying abroad and those wishing to proceed to postgraduate studies. In addition, students are encouraged to enter national and international competitions. The School usually has Open Days on the last Thursday and Friday of October. For further information about visiting the School or admission details, contact Alison Murison,

Admissions Tutor, School of Architecture, Direct Line: 0131-221 6081 or e-mail a.murison@eca.ac.uk

### Facilities

The School is divided between two campuses 5 minutes apart in the centre of the city. The School of Architecture occupies a purpose-built block in the Lauriston Place campus of the original College where all the studios overlook the historic Old Town and Edinburgh Castle dominates the skyline. Undergraduates are provided with their own workspace in the studio.

The postgraduate students in Architectural Conservation and Urban Design, as well as research students are based in the Grassmarket campus. The Grassmarket Library is principally an Architecture and Landscape Architecture resource with a periodicals room, slide library and map room. It contains almost 63,000 books and pamphlets and subscribes to 257 periodicals. This is complemented by the Lauriston Place Library, which has over 36,000 books and pamphlets and subscribes to 191 periodicals.

### Educational Programmes

#### Programme Outline & Structure

The School offers a four-year programme leading to the degree of Bachelor of Architecture (BArch) with honours. This is normally followed by a one-year programme leading to the award of the Diploma in Architecture. The programme has continued validation from the Joint Validation Panel of the Architects' Registration Board (ARB) and the Royal Institute of British Architects (RIBA)

Students who have successfully completed the first three years may take a BA degree. In the first year students are encouraged to begin to:

- develop visualisation and communication skills
- foster an understanding of fundamental architectural issues
- develop critical thought and debating skills

In the subsequent years these qualities are challenged in more complex situations and to higher standards.

During the first three years the subjects examined are:

- Architectural Design
- Cultural Context
- Technology
- Environment
- Professional Studies

In the degree year the subjects examined are:

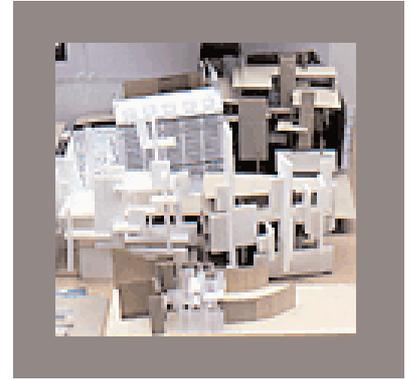
- Architectural Design
- Technology
- Cultural Context

### Assessment

The School uses the University's Common Assessment and Progression System for grading and marking. All design projects are evaluated by a system of continuous assessment. This normally allows every student to present their work to a group of their peers and staff. The staff then gives an assessment and at the end of the academic year there is a portfolio review.

### Admission Requirements

UK Applicants  
260 UCAS points or:  
SCE Highers (Scotland): BBBBC  
GCE A Levels (England): BCC  
Irish Leaving Certificate: ABCC



Non-UK applicants will be expected to have achieved equivalent standards. The range of subjects should encompass arts, sciences and design. Mathematics, Physics (or Science) are required at GCSE or SCE Standard grade and for applicants with SCE it is preferred that Mathematics and English should be at Higher grade. The qualifications necessary to satisfy the Entrance Requirements should not include passes in subjects such as Graphic Communication instead of Art. A range of alternative qualifications may be accepted including, in particular HNC/HND with Merit passes. Applicants are expected to have some ability at simple free-hand pencil drawing and those not taking Art as an examinable subject should endeavour to obtain some practice. Those applicants being considered for an offer of a place may be called for interview and asked to bring sketchbooks or a portfolio of their artwork. Candidates who are not native English speakers must have TOEFL score of 550, or an IELTS of at least 7.

#### Postgraduate

At post-graduate level the School offers three taught programmes and the higher degrees of MPhil and PhD by research.

#### Taught Programmes

Post-graduate taught programmes in the School may be studied full or part-time. A full time Diploma is of 9 months duration, a Masters 12 months. The part-time modes are 18 and 36 months respectively. Some individual modules can be made available for CPD recognition.

#### Admission requirements

An approved degree for the Diploma and an approved degree with first or second class honours for Masters. Students who have successfully completed three years of a recognised programme in architecture with an honours degree and have passed the RIBA/ARB Part I Examination may apply to take the Diploma in Architecture over two years. Candidates who achieve an appropriate standard during a Diploma may be eligible to progress to Masters. Candidates who are not native English speakers must have TOEFL score of 550, or an IELTS of at least 7.

#### Architecture

The final diploma year in architecture forms the initial taught element of the master's degree. Students may choose from a wide range of design projects and may instigate their own subjects. A Diploma in Architecture and Architectural Conservation or a Diploma in Architecture and Urban Design are also available to students who wish to participate in one or other of these taught postgraduate programmes during their diploma year.

#### Architectural Conservation

The Scottish Centre for Conservation Studies offers a programme for architects, planners, surveyors, engineers, historians and craftsmen who wish to deepen their understanding of Architectural Conservation. The work is based on the five core subjects of: the theory and philosophy of conservation; physical and documentary sources; design intervention; technology and area conservation. These subjects are taught by lectures, case studies and discussion and tested in project work.

#### Urban Design

The objective of the programme is to provide graduates and practitioners from various disciplines with a design and development based interdisciplinary educational experience of a high quality. The essential nature of the urban design process is illustrated by considering the contexts, in which urban design operates, the participants in the system and the products which result. During the Diploma students must take 12 modules.

#### Higher Degrees of MPhil and PhD by Research

Research degrees can be taken in a full or part-time mode, on or off-campus. To be eligible for admission candidates must hold an approved degree with first or second class honours in architecture, landscape architecture, urban design, planning or a related subject area of research interest.

#### Research

Research in the School finds its expression in doctoral programmes, publications by staff and in the research content of taught programmes at Master's level. There are four research groups which act as a forum for theoretical discourse, research

degree supervision and for the attraction of external funding. The framework is based upon a process of thought, hypothesis and evaluation across different academic and cultural axes.

The School of Architecture, in association with Heriot-Watt University, has an outstanding record of successful completion of M.Phil / Ph.D theses, having graduated about twenty five doctoral students over the past twelve years. The fields of research embrace

- cultural studies related to architecture and urbanization with a particular focus on the Middle East and developing countries.
- environmental design and social aspects of architecture, especially in the context of public buildings
- urban design, spatial structure and the morphology of settlements
- the conservation of historic towns
- theory and history of architecture
- the modern movement and the evolution of building types in the 20th century.

#### Student Activities

The student association ARCHIE is actively involved in organising many extra-curricular activities. Each session ARCHIE holds a series of invited public lectures given by well known and up and coming practitioners. In recent years speakers have included, Roger Diener, John McAslan, Richard Rogers, Piers Gough, Gordon Benson and Charles Jenks.

#### Staff

The School has 13 full-time, five part-time and 15 sessional academic staff. Many of the sessional staff members are local practitioners.

Professor of Architecture:

Brian Edwards Chairman of the Undergraduate Architecture Course Committee:

Ernie Anderson  
Co-ordinator of the Postgraduate Architecture Programme:

Derek Fraser  
Co-ordinator of Architectural Conservation Programme:

Julian Holder  
Co-ordinator of the Urban Design Programme and Head of School:

Leslie Forsyth  
Co-ordinator of the MPhil/PhD Programme:

Dr Faozi Ujam

# University of Edinburgh

## School of Arts, Culture and Environment Architecture

20 Chambers Street  
Edinburgh  
EH1 1JZ, Scotland, UK  
tel : (44) 0131 650 2305  
fax : (44) 0131 650 8019  
http://www.caad.ed.ac.uk

Application deadline: May

Undergraduate Tuition and fees: £1,100 for students from EU/EER member states  
£10,150 for students from other countries

Postgraduate Tuition and fees: £2,805 for students from EU/EER member states  
£7,460 for students from other countries



### Degree programmes

Degree/Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
MA (Hons)-Architectural Design	4 year	RIBA Part 1		
MA (Hons)-Architectural Studies	4 year			
MA (Hons)-Architectural History	4 year		2 year	
MArch (Digital Media)	2 year	MArch (Design) RIBA Part2		
Candidate status		RIBA Part2		
MSc-Digital Design and Multimedia	1 year			

### Admission Requirements

Contact Recruitment and Admissions Liaison Service, 57 George Square, Edinburgh EH8 9JU. Email: [Admissions&Recruitment@ed.ac.uk](mailto:Admissions&Recruitment@ed.ac.uk)  
Overseas students should contact The International Office, 57 George Square, Edinburgh EH8 9JU. Email: [enquiries.international@ed.ac.uk](mailto:enquiries.international@ed.ac.uk)

### General information

Edinburgh is widely acclaimed as one of the most beautiful cities in the world, the combination of medieval Old Town and the Georgian New Town giving it a unique urbanity. The University of Edinburgh offers the ideal environment for the study of architecture and architectural history. The Architecture Department was established over forty years ago, marrying the aspirations of architecture, as art, science and profession, with the traditions and disciplines of an ancient university.

### Curriculum

The Department offers two Degree courses in Architecture with a common curriculum for the first two years. The MA with Honours in Architectural Design is a vocational studio-based course, and graduates will normally proceed to the two-year Master of Architecture. The MA with Honours in Architectural Studies concentrates upon the more academic aspects of architecture, and will reward strengths in science, technology and cultural studies.

The vocational course in architecture equips students with the knowledge and skills needed to enter the profession. Full-time study is complemented by periods of practical training in architects' offices and other approved Placements. The distribution of Placements within the overall programme effectively results in six years of study. These six years are covered by the four-year MA Honours degree followed by the two-year Master of Architecture. For those who do not seek professional qualifi-

cation as an architect, the MA may lead to alternative graduate courses, or research degrees.

In the first two years of both degrees, courses consist of a continuous series of design projects and the study of architectural precedent and cultural conditions, with lectures on construction and the behaviour of buildings providing the background to practical workshops.

During the first two years, two additional courses are taken, one of which will be Architectural History. The other is selected from among courses offered by other departments in the University. This provision is in keeping with Scottish university tradition, which encourages the development of diverse individual interests, and allows insights into other academic disciplines. Entry to the Third, or Junior Honours, Year is on the basis of overall performance at the end of Second Year. At this point, students opt to follow the Design or Studies curriculum.

In the Honours years, students are able to pursue their particular interests in the field of architecture. The programme of study consists of six term-length Honours courses chosen from a comprehensive list. For students for the degree in Architectural Design, two of the six Honours courses will be Placements. In addition, a compulsory course on Architectural Theory is taken in the Junior Honours Year, and a dissertation based on individual research is presented in the Senior Honours Year.

Graduates with MA Honours in Architectural Design earn exemption from Part 1 of the Examination in Architecture of the Royal Institute of British Architects (RIBA).

Students who have successfully completed the course in Architectural Design, and who intend to practise as architects, may proceed to the two-year MArch (Design) or the MArch (Digital Media). The Department welcomes suitably qualified applicants to join the second degree.

MArch (Design) develops individual design skills and involves learning to pool creative and intellectual resources by working in small groups. The focus of analysis and design is the city. Following lecture courses in Urban Design Theory and Building Technology, with a project related to a British city in Year 1, a major European city is chosen in Year 2. Groups combine to explain the city as a holistic entity, before moving into individual design projects. MArch (Digital Media) is for architects who wish to develop a career specialism in digital media. As well as fostering a range of skills in multimedia, CAD, 3D modelling and visualisation, the programme contextualises contemporary discourses on virtual architecture and examines issues of usability, e-commerce, interactive environments, and mobile and ubiquitous computing.

The first year of the programme lays emphasis on the development of practical knowledge and skills pertai-



ning to the use and management of digital media by designers. The development of theoretical and critical perspectives examines the implications of digital media in the wider social and urban context. Course material in the first year is presented through lectures and seminars, with the focus on a series of practical studio-based digital projects.

The second year is as for the MArch (Design) Year 2.

The MArch (Design) is an accredited RIBA Part 2 degree. As a new course, the MArch (Digital Media) has been awarded Candidate Status for exemption from Part 2 of the RIBA examination. The expectation is that full accreditation will be granted when the first cohort graduates in 2003 or 2004. Whilst this full recognition cannot be guaranteed, the Department of Architecture has long experience in delivering accredited courses, and the second year of the MArch (Digital Media) is already shared with the fully accredited MArch (Design). A joint degree in Civil Engineering with Architecture is also partly taught in the Department.

#### Architectural History

The Department offers an Honours degree course in Architectural History. The core studies in Years 1 and 2 of the four-year degree course comprise Architectural History courses taken alongside two other associated courses.

The curriculum in the Junior (3rd) and Senior (4th) Honours Years comprises three optional Honours courses in each year, together with a compulsory course in the Theory and Historiography of Architecture in the Junior Year and a dissertation based on individual research in the Senior Year.

Joint MA Honours degrees are offered with Archaeology, History of Art, and Social and Economic History.

#### Location and Facilities

The Department is sited just south of Edinburgh's Royal Mile on Chambers Street. The National Library of Scotland, the main University Library, and the city Central Library and the Students' Union buildings are all within a few minutes' walk. The Department exploits contacts with local architectural practices, and

other agencies, both local and national, concerned with environmental, conservational and social issues.

#### Facilities

Generous in its dimensions, the Department is able to provide each student with a work-station in five large dedicated design studios. There is a department Library with about 15,000 volumes and 100,000 slides, in addition to the extensive collections in the Main University Library.

In the well-equipped workshops students are taught a wide range of technical skills and use of architectural modelling in the development and illustration their designs.

There are extensive computing laboratories with a variety of modelling and multi-media software.

#### Postgraduate Programme

Some three dozen postgraduate students from a variety of countries, working towards M.Phil and Ph.D degrees, pursue individual research on theoretical, historical and landscape architecture, on computer applications, and aspects of environmental science and construction

The MSc/Diploma in Design and Digital Media is a unique programme of study that addresses the growing need for professional education in digital technology applied to design, and acknowledging its social, cultural and philosophical implications. Courses are offered in computer visualisation, modelling, documentation, mobile computing, e-commerce, communications and interactive multimedia.

The MSc/Diploma in Design and Digital Media is a 12-month full time programme of study (9 months for the Diploma). It is open to graduates of architecture, planning, engineering, or art and design who wish to specialise in digital media, and to graduates from other related fields such as computer science, philosophy and sociology of science, education, art history, media and culture studies or psychology, who wish to move into the design arena.

#### Research in the Department

As society and the profession changes in response to technological, environmental and economic developments, research plays an ever-

increasing role in the design process. Inevitably, this process becomes more complex, drawing reference from the past and looking to the future. Research in the Department of Architecture has as its core objective the study and development of the impact and relationship of technology, sustainability and history on the design of buildings. It actively seeks to draw together research in computing methods, materials and processes, sustainability, history and theory and their implications for architectural design.

#### Student Activities

Students play an important role in the management of the Department, participating in all its committees. The Student Architects' Society, EUSAS, organises lectures and social events.

The research students edit an annual journal, Edinburgh Architecture Research (EAR), which is now in its 28th year, publishing working papers by students and staff. They also run a weekly seminar series, with papers from visiting speakers, members of staff of the Department and the students themselves.

#### Administration and Staff

There are 17 full-time academic staff of the Department which includes a Professor of Architectural Computing, a Professor of Architectural History, and a Professor of Architectural Studies. The Department attaches great importance to the contribution to teaching made by around 40 part-time staff, mainly from architectural practice.

An appointment as Visiting Professor is made under the terms of the George Simpson Architectural Trust. The occupants of this Chair have included Richard MacCormac, Ted Cullinan, William Curtis, Gordon Benson, Bob Allies, and Daniel Libeskind. The current visiting professor is Anthony Vidler.

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# The Mackintosh School of Architecture

## Glasgow School of Art

Glasgow University  
167, Refrew Street  
UK-G3 6QR Glasgow  
Tel. : 444/141 3534651  
Fax : 444/141 3534703

Head of School:  
Professor Charles MacCallum DA (Glas) MCP (MIT) RIBA FRIAS FRSA

### Degree programmes

Degree	Minimum Duration of study	Accredited	Admission requirements	Enrolment	% of total admission
Bachelor of Architectural Studies	3 years full-time, or 4 years part-time	RIBA / ARB	Highers: BBBB A Levels: BBC	239	65.4%
Bachelor of Architectural Studies (Hons)	4 years full-time	(as above - in year 3)	(as above)	(as above)	
Diploma in Architecture	2 years full-time (includes fourth year of the Honours degree), or 3 years part-time as Diploma, ie.	RIBA / ARB	Honours Degree in Architecture	99	27%
M.Arch (by Conversion)	2 years + 1 term	(as above - in year 2)	continuation of Diploma in Architecture	6	1.6%
M.Arch (Taught)	1 calendar year			6	1.6%
M.Arch (Research)	2 years			3	0.8%
PhD	3 years			13	3.6%

The Mackintosh School of Architecture is based in Glasgow School of Art, where architecture has been taught for over a century. Courses may be followed in full-time or part-time modes. Its qualifications are conferred by the University of Glasgow, its postgraduate students are fully matriculated students of the University's Faculty of Arts, and the Head of School holds the University's Chair of Architecture.

The School provides the teaching required for registration as an architect in the United Kingdom and is recognised by the Architects' Registration Board of the United Kingdom (ARB) and the Royal Institute of British Architects (RIBA).

This recognition gains exemption from Parts 1, 2 and 3 of Professional Practice examinations leading to full qualification.

At postgraduate level the degrees of M.Arch(Taught or by Research) and PhD are offered.

The Mackintosh School has been a significant influence in the renaissance of Glasgow in its investigation of architectural and urban design issues in the city. This thematic focus on Glasgow is developed in parallel with exposure to a broad spectrum of opinion, and a flow of internationally known visiting lecturers is comple-

mented by a programme of staff and student exchanges with leading international schools, including Milan, Porto, Madrid, Paris, Barcelona, and Lausanne.

Teaching is based on studio work and is strongly biased towards design, with emphasis placed on learning by doing rather than by instruction. The School's teaching is rated "Excellent" by the Scottish Higher Education Funding Council, and Mackintosh students and graduates figure prominently in competitions and awards. The School enjoys an excellent design reputation, and is regularly invited to exhibit at international venues such as the Venice Biennale.

Staff are encouraged to remain professionally active, and the School's current research activity covers a wide range of topics, including architecture and urban design, history and theory, (with particular expertise on Charles Rennie Mackintosh and Alexander 'Greek' Thomson), innovative construction technology, housing for special needs, conservation, energy design, and computers in architecture.

The School of Architecture is based in the Bourdon Building, named after its first Professor. It provides studio and exhibition space, staff offices, lecture theatres, an audio-visual base,

computer facilities, architectural science facilities such as wind tunnel, artificial sky, heliodon and model-scope, print and dark rooms, workshop and a technical base.

The Bourdon also contains the main School of Art library with over 33,000 titles and upwards of 270 periodicals available for consultation. Most books are available for loan and there is also a reference collection. The library has a range of computers including various CD ROM databases and students may apply for access to the internet and e-mail facilities. Students also have access to Glasgow University Library facilities which are to be found on the University Campus, Gilmorehill.

The world famous library on the first floor of Mackintosh's School of Art building is now a reference library containing bound volumes of periodicals, students' dissertations, exhibition catalogues, research material and rare books.

Visiting Lecturers and Critics have included:

Tadao Ando, Bach y Mora, Gordon Benson, Barry Bergdoll, Peter Blundell-Jones, Mario Botta, Geoffrey Broadbent, Chemetov and Huidobro, Giancarlo di Carlo, Jeremy Dixon, Terry Farrell, Alan Forsyth, Piers Gough, Partrick Hodgkinson, Hans

Hollein, Michael Hopkins, Ed Jones,  
Leon Krier, Rob Krier, Kurakawa,  
Daniel Libeskind, Francois Loyer,  
Enric Miralles, Fernando Montes,  
Benjamin Mouton, John Outram,  
Cedric Price, Richard Rogers, Colin St  
John Wilson, Norman Stone, Colin  
Stansfield Smith, Ivor Smith, Toomey  
O'Donnell, Troughton McAslan,  
Takamatsu, Martin Pawley, David Van  
Zanten, Joanna van Heyningen,  
Pierre von Meiss, David Watkin,  
Michael Wilford.

■

# The University of Strathclyde

The Department of Architecture and Building Science at Glasgow

## University of Strathclyde

Rottenrow, 131  
 UK-G4 ONG Glasgow  
 Tel. : 444/141 5524400  
 Fax : 444/141 5523997  
 Email : dabs@strath.acKuk



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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#### General Information

Situated at the heart of the dynamic city of Glasgow, the Department of Architecture and Building Science at the University of Strathclyde is one of the oldest and largest centres of architectural education and research in Britain, offering a wide range of opportunities for study at undergraduate and postgraduate levels.

The School's international profile and the outlook which it has built up alongside its close and long established working relationship with the City of Glasgow and the West of Scotland make it a particularly stimulating place to be. Students from many European and non-European countries form part of a lively international community which animates and enriches work in the School. Correspondingly many of our students, through exchange programmes, spend part of their studies abroad.

We are the only Scottish School of Architecture and one of the few in Britain, to have scored both an 'Excellent' in the Government's Teaching Quality Assessment and a top rating of '5' in the Government's Research Assessment Exercise, both of which have reinforced our reputation as an educational leader not only in Britain but internationally.

#### Facilities

The Department possesses fully equipped mixed media lecture theatres and a gallery that is used for reviews and visiting exhibitions. The majority of students are able to work within the studios enjoying computer facilities that are amongst the best in Europe, not only with

regards to computer labs but networked design studios. In particular the Department has just opened a state-of-the-art Virtual Environment Laboratory. As well as being close to the University Main Library, the Department has its own Information Room with periodicals, theses, key book titles and on-line information services. Being part of a Faculty of Engineering students have access to a variety of workshops and technicians for physical modelling.

#### Educational Programme

##### Course Structure

The first two years of the course are common to all students of Building Design Engineering and are intended to provide a basic background in the related sciences and an introduction to architectural, structural and services facets of building design.

Design project work in years 1 and 2 introduces practical problems involved in smaller buildings and provides a medium for integrating the topics being developed in the taught classes. All design project work is carried out in the Design Studio under the supervision of Architects, Structural Engineers and Building Services Engineers, many of whom are drawn from practice on a part-time basis.

In the third and fourth years a wide range of options are available which allows students, from a base of design project work, to pursue a degree of specialisation in Services Engineering, Structural Engineering or Architectural Design all within a framework which emphasises the development of team working skills

using multi-disciplinary integrated design projects as the design studio vehicle.

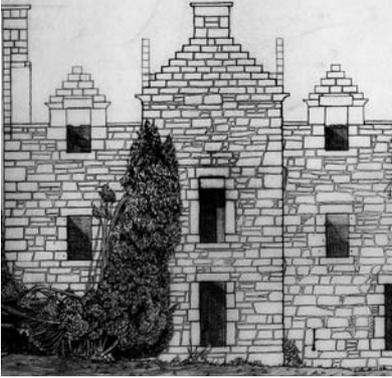
#### Architectural Studies with European Studies

On this course the curriculum broadly follows that of the Architectural Studies degree, but students take classes in European Studies and the language of their choice. There is one semester compulsory study at a university abroad.

#### Building Design Engineering

In addition to the Undergraduate degree in Architectural Studies the University of Strathclyde offers an undergraduate course in Building Design Engineering which has at its core an interdisciplinary approach to integrated building design.

Within the Faculty of Engineering, the skills of civil, structural, mechanical and environmental engineering exist alongside and associated with architecture and building science. Drawing on existing courses from all of these departments, and concentrating on the integration of knowledge through design project work, the University believes that a Building Design Engineering graduate will be uniquely qualified to play an important role in industry. After a preparation of basic studies, students will have opportunities to develop skills and talents in one of several specialised areas - building services engineering, structural engineering, architectural design, or construction management. The central integrating theme of the course is design project work. An understanding of and experience in



the design process is seen as fundamental to the application of relevant technology and to the management of the construction process to achieve the realisation of that technology.

### Postgraduate Programme

#### The Graduate School

The BSc Honours courses at undergraduate level lead, usually after a "Year Out" of experience in architectural practice, to a one year Postgraduate Diploma or Master's course in the Graduate School. Here a diverse range of optional studies can be pursued, all exemplifying and exercising aspects of the core activity of Architectural Design.

This opportunity to specialise within Architecture via a range of PG diploma, MArch or MSc qualifications is a particular feature of Strathclyde's Graduate School programme giving our students a much widened choice of career paths which we know are highly relevant to the needs of future architectural practice.

#### Postgraduate Diplomas and Masters Degrees

The taught Postgraduate Diploma courses carry exemption from Part II of the RIBA's professional examination - proof of the high regard the profession has for Strathclyde architecture graduates. With approval and with an additional period of study the Diploma can be converted into a Master's Degree.

PgDip/MArch in Advanced Architectural Design explores current theoretical approaches to architectural design and thus to develop and display formal and technical architectural ability in a creative and critical way.

PgDip/MSc in Computer Aided Building Design presents a broad range of knowledge reflecting current developments and research interests in CAD, relating this knowledge to current architectural practice.

PgDip/MSc in Facilities Design and Planning responds to industry requirements by producing graduates equipped to use new concepts, methods and techniques for the design and management of buildings-in-use and support services.

PgDip/MSc in Urban Design helps those involved in urban development to enhance their understanding of the city and to develop skills in the application of advanced physical planning and design methods and the assessment of the environmental impact of individual development projects.

#### Research Programme

The Department's research activity, described by the Royal Institute of British Architects (RIBA) as being of "outstanding quality and range", offers students a stimulating, fertile environment where the high level of research work feeds into the Department's teaching programmes, providing in addition a solid intellectual framework for the pursuit of higher degrees such as an MPhil or PhD.

The diversity of research has been achieved by setting up a number of dedicated units.

ABACUS - Architecture and Building Aids Computer Unit Strathclyde, that seeks to advance the effective use of information technology in architecture through research, teaching and consultancy.

#### CFM - Centre for Facilities

Management, that seeks to advance the practice of facilities management (FM) internationally through research, training and advisory services

SEMU - Safety and Environmental Management Unit, that is involved in the improvement in the quality of health and safety and environmental management within the built estate through research applied to the development of practical tools and through education and training.

UDSU - Urban Design Studies Unit, that strives to help professionals involved in urban development to evolve programmes and design frameworks for sustainable urban development.

CEDAR - Centre for Environmental Design and Research, whose goal is to enhance the quality of the built environment and protect the wider environment by advancing knowledge and understanding of environmental behaviour and control related to the design and use of buildings.

CADET - Computer Aided Design Education and Training which provides a regular series of training courses in the application of CAD within architectural practice and education and to provide a base from which to conduct research and consultancy related to this specialised area of CAD activity.

PATH - The Production of Architecture Theory and History, that makes an active contribution to the international debate about the history and theory of architecture and the built environment.

#### Student activities

Undergraduate and Postgraduate students of the Department are members of the Architectural Society. The Society concerns itself primarily with visits, lunch-time lectures by prominent architects, open days and social activities. Its success is very much dependent upon student enthusiasm and commitment. Within the Department, each year elects student representatives who are then members of the Departmental Meeting and Staff/Student Liaison group. The Departmental Meeting convenes generally twice in each semester to consider routine business, the curriculum and any matters of concern to staff or students.

#### Staff

Administration  
 Michael Corcoran  
 Professor of Building Services Design  
 Per Kartvedt  
 Professor of Architecture  
 Thomas Maver  
 Professor of Information technology  
 Frank A. Walker  
 Professor of Architectural Theory and History

#### Unit Directors

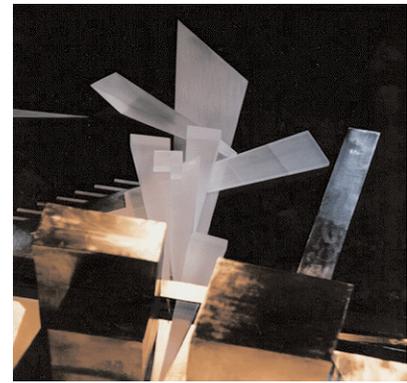
ABACUS - Professor Thomas Maver  
 CFM - Mr Keith Alexander  
 SEMU - Dr Paul Yaneske  
 USDU - Dr Hildebrand Frey  
 CEDAR - Professor Michael Corcoran  
 CADET - Mr John Wood  
 PATH - Professor Per Kartvedt

# Humberside University

Faculty of Arts & Technology  
University of Lincolnshire & Humberside

George Street, Hull  
HU1 3BW, United Kingdom

Tel : +44 1482 440550  
Fax : +44 1482 462048  
Email : kbiddick@humber.ac.uk  
Website : www.humber.ac.uk/arc



## Degree programmes

Title	Duration of study	Accredited	Admission requirements
BA(Hons) Architecture BA	3 years	ARB/RIBA	see text Bachelor of Architecture
BArch	2 years	ARB/RIBA BSc	Architectural Technology
BSc	3 years	BIAT	BA Interior Design
BA	3 years		
BA Museum & Exhibition Design BA	3 years		

### Architecture

The Hull School of Architecture was established in the 1920's. In the 1970's it launched a unit-based system and established a reputation for radical education and community action. It is now a key part of the Faculty of Arts & Technology in a university and a city that are both committed to pioneering the future.

We aim to equip architects to re-pond to the challenges of designing in a rapidly changing world. We believe that diversity of approach enriches the environment for all. Our graduates will be incisive, creative, co-operative designers who are able to make a difference in their chosen sphere.

The study of Architecture is focussed on design projects with integrated programmes exploring historical, theoretical, social, professional and technological contexts of design. Assessment is through design projects, assignments and written papers. There are no conventional end-of-year examinations.

About half of the School's 600 students follow the BA (Hons) Architecture and Bachelor of Architecture courses. These courses make up a five year programme of study. A further two years of practical training complete the professional education of architects in the UK.

The School is committed to interdisciplinary study and developing the skills of working in teams. The high level of motivation of staff and students promotes an atmosphere in which individual initiative is valued.

### Facilities

The School is located in the centre of a dynamic port city with excellent student accommodation and social facilities.

Hull is "the gateway to Europe" with daily ferry sailings to Rotterdam and Zeebrugge and regular flights to Schipol airport.

The School has established partnerships with Schools in Germany, Belgium, Italy and Spain for the regular exchange of staff and students.

Strong connections and exchanges with South East Asia and Australia reinforce the School's global view of the environment and design.

Study trips throughout the UK and Europe explore the varied contexts of design in the built environment. Study is supported by excellent workshop facilities and computer workstations equipped with the latest software for design and presentation.

### What you study

The aims of the first year of the course are to release creative potential, explore design processes, lay a foundation of cultural and technical knowledge and promote the acquisition of communication and other skills necessary for a designer.

During the second year, students are assisted in further developing their design skills and in integrating technical, social and theoretical studies in their design projects.

In the third year, students choose from the study programmes offered by the School's Design and Research Groups.

### Design & Research Groups

Third year students work alongside Bachelor of Architecture students. They carry out exploratory projects, an independent study and a major design project that integrates theoretical and technical studies.

The School currently offers four groups called "Land", "A Supermodern Perspective", "Social Place" and "Free Zone".

Students can choose to experience each of the groups during three years of study or they can choose to specialise. The distinctive qualities of these programmes embody the School's commitment to diversity and student choice.

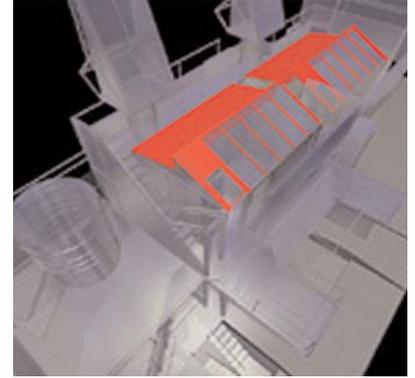
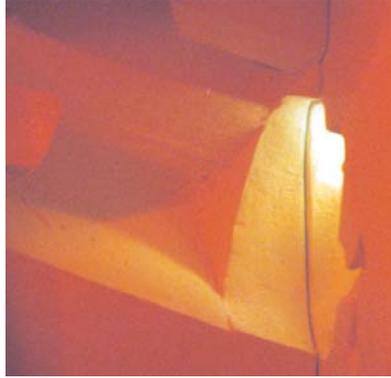
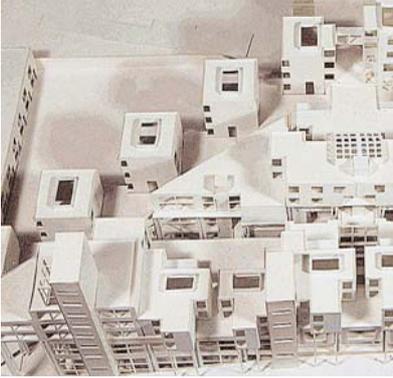
### Land

Placemaking, that is the creation of settings for people and activities, is explored in relation to landscape. The group resists alienation and emphasises the enrichment of place that is vital to individual well-being and community growth.

A Supermodern Perspective Prompted by Hans Ibeling's book, "Supermodernism: Architecture in the Age of Globalisation", the group takes on the task of making visible the contemporary urban condition.

### Social Place

The group seeks to discover a subjective modernity with a language that is neither prescriptive nor universal. Projects explore new communities, prefabrication and the house in an urban context.



### Free Zone

The Free Zone explores marginalised groups in society and the spaces between those dominated by institutions. It reveals and criticises power relationships and proposes creative resistance.

You can see the current work of the Design & Research Groups on the School's website at [www.humber.ac.uk/arc](http://www.humber.ac.uk/arc).

Underpinning all our teaching are commitments to creating a sustainable environment that is accessible to all and to developing in our graduates the study and employment skills which equip them to take advantage of all future opportunities.

### How you study

The design studios are the main focus of activity within the School. Design seminars and tutorials help to develop a distinctive working culture in each studio. Lecture courses and seminar groups outside the studio encourage students to step back from the drawing board to take in the bigger picture. Core studies are supported by a growing range of independent study materials which allow students to assemble a course directly relevant to their needs.

### Continuing study programmes

The School offers continuing support to graduates through its short courses in Professional Development and its Masters courses in Architecture, Project Management, Facilities Management and Inter-disciplinary Design.

### Research programmes

Research programmes focus on Housing, Sustainability and Urban Development. The School also contributes to research in the field of Art & Design.

### Masterclass

The annual masterclass involves all students in an intensive programme. In 1998, we placed the Coastwise Europe exhibition in Hull's main square. Architects from The Netherlands led design projects based on the E20 Euroroute that passes through Hull to the mainland. In 1999, we focussed on Hull's 20-year programme to develop itself as a pioneering city for the future.

### Entry requirements

The Hull School celebrates and encourages diversity. There is no standard Hull student, so there can be no standard entry requirements for the course. We believe that good academic qualifications alone are not an adequate indication of an applicant's potential as a designer. We are interested in the whole person. We look for evidence of creativity in their portfolio of work, initiative, enthusiasm for architecture, wide-ranging interests and experience of life. See our website for details. Our aim is to make courses accessible to all so there is a variety of routes to suit different employment and family circumstances. Study can be full-time or part-time and elements of the courses can be assembled to support a work-based learning programme tailored to suit individual needs.

### A student's view

Griet Daelemans is a third year student on a Socrates exchange from the St. Lucas Institute in Belgium. She writes, "At the University there are a lot of foreign students. This creates a very multi-cultural atmosphere. I met a lot of Belgian, French, German, Italian, Portugese and even Japanese people here."

"Apart from learning English, I also improve the other languages I speak by talking to my friends. The English students are always very willing to help you. This can be said even more about staff."

"This school is particularly attractive because there are no exams. For essays and other assessments you can spread your work. The school provides equipment like computers, a library with books and movies, a workshop for modelling. You don't need to bring much and it's nice to learn other techniques to present your work."

"I am very happy that I had the opportunity to come here. It is an experience I will never forget."

### Student activities

Students are encouraged to develop the educational and social activities of the School. They take part in organising the masterclass and the programme of visiting lecturers. In the Design & Research Groups,

they organise exhibitions, magazines, websites, events and movie screenings. The social life of the School revolves around student parties and informal gatherings in cafes and bars.

### Career opportunities

Hull graduates are equipped with the skills that make them employable in a range of careers in the design and construction field including architecture. In all their dealings with people and the environment we expect them to be flexible, responsive and caring. Along with practical skills like Computer-aided Design, we promote personal skills such as teamwork. Most importantly, Hull graduates are questioning, analytical and decisive.

### Administration and staff

Head of Architecture  
Derek Cottrell BA Dip Arch  
Architect RIBA MRTPI FRSH  
BA (Hons) Architecture Course Leader  
Alan Latham  
Bachelor of Architecture Course Leader  
David Raynor  
Interior Design Course Leader  
Chris Hay  
Architectural Technology Course Leader  
David Todd  
Museum & Exhibition Design  
Dr. Geoff Matthews  
Masters in Architecture  
Dr. Jane Lomholt  
Professional Practice  
George Clark

# The Liverpool John Moore's University

Centre for Architecture / School of the Built Environment

98, Mount Pleasant  
 UK-L3 5UZ Liverpool  
 Tel. : 44/151 7942604  
 Fax : 44/151 792605

## Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
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### General information

The Centre for Architecture is part of the School of the Built Environment at John Moores University. The school of the Built Environment offers courses in Building, Surveying, Engineering, planning and Estate Management.

*Location in Liverpool-* We are located in the centre (please refer to map).  
 Staff Numbers- 14

*Future Developments-* We are currently involved in the development of a learning-at-Work programme in co-operation with European practices.

### Facilities

Workshop, Studios, IT Suite, Research Room, Staff Resource, LRC/Library.

### Educational programme

The Centre for Architecture offers BA (Architectural Studies), 3 years; Diploma in Architecture, 2 years; and MA in Architecture and Urban Design, 1 year; as well as Mphil and PhD programmes.

The mission statement of the Centre for Architecture is;

- To continuously improve the quality of the Centre for Architecture's activities.
- Based on a clear philosophy to encourage students to be internationally aware.
- To be deeply and intelligently knowledgeable about their subject.
- To be strong in Architectural and Urban Design as measured by external critics.
- To be capable of thinking their

design through to technical realisation, especially in the Diploma Course.

- To be primarily, but not exclusively committed to projects which fulfil basic human needs.
- To be actively interested in the future of cities (especially in the Liverpool subregion and urban area).
- To be confident in the presentation of their work to a critical audience of judging panel, either known or unknown.

### Postgraduate programme

New MA routes were introduced in 1997 for both 'Architecture and Urban Design', achievable by full-time and part-time modes of study, converting the Diploma in Architecture in theoretical, historical, design or technological subject. Students who have successfully completed a Diploma in Architecture at an approved School of Architecture in Britain or elsewhere can, after successful interview in person or by portfolio and the agreement to a suitable topic, convert their postgraduate degree into an MA in Architecture (conversion of a dissertation), Design (conversion of a fifth or sixth year project) and Technology and Practice. Submissions in both MA taught programmes can be written or drawn and work undertaken can act as ground for the higher degree work MPhil and PhD.

### Research programme

Research activities are also increasing in extent, while being sharply focused on to two relevant urban architecture themes: Urban Architecture and Urban Tourism. Half

of the staff at the centre are research active.

### Student activities

The students themselves organise an Annual Symposium with international speakers. Each year they participate in annual study tours. Recently: Barcelona, Berlin, Amsterdam, Rotterdam, Copenhagen, New York and Glasgow, have been visited. Speakers are invited to the school for special event and student participate in exhibitions and competitions.

The campus provides extensive facilities for student activities as does the city as a whole, as a result of the large concentration of educational institutions in its centre.

### Administration

Office and secretarial support:

The centre for Architecture have joint office support with The School of the Built Environment, but retains own reception and secretarial support.

Management structure:

The architectural programme is one of 7 within The School of the Built Environment.

### Administration & Staff

Head of Studies:

Professor Mads Gaardboe  
 Director of Research & level 6 leader:  
 Professor Douglas Clelland

Reader:

Dr Robert MacDondald

Lecturers:

Mr Gary Brown  
 Mr Philip Lo  
 Dr Neil Sturrock

Mr Brian Hatton  
Dr Athannasios Migos  
Mr Constantine Vakris  
Mr Jon Moorhouse  
Mr Kevin Morel Rowlinson  
Mr Ian Wroot  
Customer Liaison Assistant:  
Jacqui Hornby

**Board of Studies/Exam Board**

Board of studies with student representation and staff is held four times a year. Exam Boards are held annually with participation of eminent external professionals and academics

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## University of Liverpool School of Architecture and Building Engineering

Leverhulme Building, Abercromby Square  
Liverpool L69 3BX

Tel. : +44 (0)151 794 2604  
Fax : +44 (0)151 794 2605

School website: <http://www.liv.ac.uk/abe/>



### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment	Full-time students
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#### The School and the City

The Liverpool School of Architecture and Building Engineering is one of Britain's most prestigious architectural institutions, a pioneer of architectural education characterised by a forward looking, continuously developing curriculum that encourages excellence in many fields of academic study and practical experience. The school is based in the city of Liverpool, which is rich in history and culture and has traditionally maintained an international character stemming from its function as a port. In the last decade the city has set about shaping its own economic recovery, based on new technology-based industries, tourism, and further education. The continuing urban development that is at the heart of this renaissance forms an exciting backdrop for the study of architecture.

The University of Liverpool is a leading institution for undergraduate and postgraduate study with an international reputation in quality and quantity of research output which sustains its taught and research-based courses architecture degree. Facilities for study in the school are excellent, with recently built studio facilities and teaching rooms. Computer facilities are particularly well catered for with MS Dos/Windows and Macintosh based systems and a Sun suite linked to the university's UNIX system - most major CAAD programmes are supported. Within the school there is also a student coffee bar and close by are excellent sport facilities including squash courts, a fitness centre and swimming pool. Social activities are provided for in the new RIBA award

winning University Guild of Students as well as the many famous Liverpool bars and clubs such as Cream and the Cavern.

The school's staff represent a wide variety of expertise and concerns in practice and research and students are exposed to many perspectives on architectural thought. All full-time staff are involved in active research or applied building industry activities and most part-time staff are practising architects. There is a wide range of extra-curricula activities which contribute to the creation of a fertile environment in which architectural education takes place. The School of Architecture, the Liverpool Architectural Society and the Liverpool Architecture and Design Trust host many architecture-based events, symposia and lectures in Liverpool throughout the year and students are able to take part in programmes offered by other arts, environment, engineering and business courses based in the school and in the university at large.

The Bachelor of Arts (Honours) in Architecture Course

The BA Architecture is a full-time 3-year classified honours degree that provides a comprehensive foundation in architecture. The course aims to equip its graduates with the range of skills needed to satisfy RIBA Part I exemption criteria and to benefit from the first period of practical experience. It seeks to generate an enthusiasm for architecture, and to inculcate a spirit of inquiry which will stimulate life-long learning. A number of skills are transferable to other fields – grap-

hic communication, verbal presentational skills, problem solving, and experience of group working. It is normally followed by a year of professional experience, undertaken prior to entry to a Part II course such as the Bachelor of Architecture.

In the first year design modules introduce basic graphic communication, small scale planning, and culminate with the design of small buildings on actual sites. Group working is encouraged in the design studio as well as in other modules (e.g. History). Studio-based teaching (some of it in the form of lectures) introduces the role of the architect, the importance of craft and technology, and the significance of theory and precedent. In addition to the design modules, students receive examined courses in Environmental Science, Building Construction, Structures and History which together provide a comprehensive academic introduction to the field. In contrast to first year, second year design projects are deliberately experimental and analytical in their approach. Projects demand that issues of materiality, context and society be addressed. Preliminary work leading to the design of a specific building involves urban scale problems, mapping and response to site. Examined lecture-based modules address structures and environment (focusing in this year on issues of sustainability). Modules on Urban Studies and History & Theory are assessed through coursework and aim to develop individual and group investigative and presentational skills. Students may spend a maximum of one semester on an approved overseas exchange programme, eit-



her an EU funded Socrates programme (Vienna, Berlin, Stockholm) or an American exchange at the University of Illinois.

In third year design modules aim to develop both detailed design (through large drawings of small structures) and the planning of a complex building design. This is balanced by an urban-scale investigative exercise which extends the contextual explorations of second year. A holistic approach to design is encouraged by the Technical Design Module requiring students to present a building report addressing technical and environmental issues as well as precedents and theoretical positions. Students are prepared for the first period of practical experience by a Professional Studies module.

#### The Bachelor of Architecture Course

The Bachelor of Architecture course leads to a professional qualification offered to students with an appropriate first degree in architecture or a closely related subject. RIBA Part II is awarded with the degree to those students who already have RIBA Part I, and on successful completion of the course, these students become eligible to prepare for the RIBA Part III professional practice examination. The overall aim of the course is to extend and intensify the student's knowledge and understanding of architecture and the built environment. This is achieved through exploratory programmes carried out in a stimulating environment of developing academic and professional skills. The main components of this two year full-time course are design projects, lecture and workshop courses, a dissertation, and an optional student foreign exchange programme. There are no formal written examinations and assessment is by studio presentations and course work submissions.

In the first year there are a series of design projects that explore current ideas and recent developments in the generation of architectural form; lecture courses in managing and operating an architectural practice, and architectural history and theory.

Students also select from a number of optional courses in advanced technology including computer aided design, conservation and environmental studies. The main emphasis of the second year is on the design thesis (which occupies half of the year's work) and the written dissertation, both of which are based on topics selected by the student. There are ongoing exchange programmes with schools of architecture in the USA, Tasmania, Stockholm, Venice and Berlin, where students have the opportunity to study abroad for up to five months. Invited critics of national and international standing regularly take part in thesis reviews. Successful candidates are automatically eligible to attend the widely acclaimed RIBA Part III course organised by the North-West consortium of architecture schools.

The Bachelor of Architecture course aims to create an intellectual foundation to enrich the student's development of their own design principles. This is integrated into architectural design projects that explore the real issues, problems and opportunities of creating new urban environments. Students explore specific individual interests with the objective of developing their personal direction at the outset of their careers, working on projects that they have developed and tutored by advisors they have selected themselves.

#### Research opportunities

The Liverpool School of Architecture and Building Engineering has a long and distinguished history in research and its activities in this area cover a wide range of topics: design history, aesthetics, acoustics and noise control, lighting engineering, computer aided design, application of artificial intelligence, portable architecture, construction management for both the developed and the developing countries, procurement systems, building technology. The school's research activity has earned it an international reputation for excellence that is confirmed by the award of prizes and medals and by invitations to speak at research conferences. It has a research rating of 4 and a research income of more than



£1,000,000 over the last four years. Major specialised facilities exist for work in the science and engineering areas including controlled environment rooms, sound transmission suites, an anechoic chamber, a lighting laboratory with artificial sky and a computer laboratory. All are supported by technical staff and workshops, model making facilities, computer facilities etc.

Staff actively collaborate with industry and colleagues in other departments within the university (for instance; Education, Mechanical, Electrical and Civil Engineering, Physics) and with research groups at other universities and institutions in the UK and elsewhere. International collaboration of various kinds exists with France, Germany, Holland, Italy, Switzerland, Poland, Argentina, Brazil, USA, Korea, Latvia, China, Japan, Australia and Hong Kong. The research degrees of Master of Philosophy (M.Phil), Doctor of Philosophy (Ph.D), Master of Architecture (M.Arch), and the taught MA in Contemporary Art are all awarded by the school.

#### Admissions Information

Applications are accepted at any time throughout the year. Candidates are normally invited for interview however those applying from outside the United Kingdom may be offered a place on the basis of a portfolio containing examples of recent design work and a specimen of written work. The school holds regular open days throughout the Spring semester to allow prospective candidates the opportunity to see the facilities, inspect project work and to meet informally with staff and students. Interviews can be arranged to take place on open days or at other times by arrangement. To apply, request an application form and prospectus from (see left for address).

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# University of Newcastle upon Tyne

## School of Architecture Planning and Landscape

Claremont Tower  
University of Newcastle upon Tyne  
Newcastle upon Tyne  
NE1 7RU  
Tel. : +44 (0) 191 222 7802  
Fax : +44 (0) 191 222 8811  
Email : [sapl.ug@ncl.ac.uk](mailto:sapl.ug@ncl.ac.uk)  
[www.apl.ncl.ac.uk](http://www.apl.ncl.ac.uk)

Application Deadline : August 2000

### Degree programmes

Degree	Title	Minimum duration of study	Accredited	Admission requirements	Enrolment
BA Architecture		3 years	Part 1 of RIBA	2 A Levels or equivalent	75
B Architecture		2 years	Part 2 of RIBA	Part 1 of RIBA	40
Diploma in Professional Practice and Management:		2 Years	Part 3 of RIBA	Part 2 of RIBA	40
BA Town Planning		Part Time 3 years	RTPI	2 A levels or equivalent	50
Diploma in Town Planning		2 years	RTPI	BA degree	40
BA Environment , Planning and Society:		3 years	Not accredited	2 A levels or equivalent	30
Master of Town Planning		2 years	RTPI	Any first degree	20
Master of Landscape Architecture		2 years	LI	Any first degree	15

RIBA = Royal Institute of British Architects

RTPI = Royal Town Planning Institute

LI = Landscape Institute

[In addition the School offers a large number of Masters programmes in specialised areas; Urban Conservation, Urban Design, Housing, Computer Aided Design and Management, and a research degree programme leading to Doctorate.]

### General information

Dramatically sited on the River Tyne with its famous bridges, the city of Newcastle is by far the most visually exciting of all the great industrial cities of northern England. For the study of architecture, planning, landscape architecture and related fields there can be few more stimulating and rewarding locations. A rich history dating back to pre-Roman times, combined with the legacy of the industrial revolution in the region, have created a varied and complex environment with a range of economic, social and environmental challenges. This has led to a broad portfolio of contemporary, innovative solutions to them, including prize-winning urban and rural regeneration projects, buildings and conservation work. The region also offers some of the finest countryside in Britain with spectacular coastline, and three national parks.

The University of Newcastle upon Tyne has grown from 1834 to become one of Britain's leading universities. It occupies a single site in the centre of the city, and has always been integrated closely into the social, cultural and economic life of the region. It is playing a significant part in the successful economic regeneration of

the North East. Managed expansion over the past years has increased student numbers from just under 8,000 in 1985-86 to 13,455 now, of whom 1,070 students are from outside the European Union.

### Facilities

The School is housed in two adjacent buildings on the main campus. It is close to the rail station and the city centre and there is a direct metro link to the international airport. The School provides access to a range of specialist literature via its own resource centre and specialised computing facilities for CAD and GIS. Students have the use of their own design and project studios to undertake practical work and access to specialist workshops where necessary. In addition to the facilities of the school there is an award winning University library, a large computing centre and numerous student facilities.

Students have access to the professional offices of the professional institutes and through strong links with practice they have the opportunity to meet local and national practitioners.

### Educational Programmes

Teaching in the School is organised around two 15 week semesters, each containing 6 modules. In each programme students are expected to complete a range of coursework and examinations. At the end of most programmes students are expected to demonstrate their knowledge and understanding via either a major design or a dissertation.

The main programmes in the School are accredited by the appropriate professional bodies.

The core curriculum in each case is derived from the requirements of the professional organisation while the optional subjects reflect the diverse range of research and scholarly activities of the School. In practice, specialisation can occur in any of the following fields; architecture, planning, landscape architecture, urban regeneration, CAD and management, urban design, environmental appraisal, rural planning, IT and planning, planning in third world countries, urban conservation and European planning.

Many of the undergraduate programmes include a period of paid employment as part of the study programme. Such activity ensures

that our students are well prepared for the world of work upon graduation. In addition many students at both Masters and undergraduate level take the opportunity to study in another EU country via the SOCRATES programme.

It is possible at Masters level for students, by choosing from a wide range of options, to create a tailored degree that suits their specific interests. Such degrees are not accredited by professional bodies but may be suitable for students who wish to specialise in one or two selected topics.

In addition to the taught programmes the School offers Masters of Philosophy and Doctorate degrees by research. Currently we have over 40 such students from over 30 countries. The students are located in the postgraduate centre but they are supervised by staff of the 6 Research Centres.

**Research Programme**

The School has a dynamic research programme incorporating a wide range of expertise. The staff have excellent and expanding records in attracting research grants, an extensive range of local, national, European and international research contacts, and a track-record of research collaboration with institutions from around the world. There are also active links with related research groups, centres and departments through the rest of the University.

The research objective of the School is to undertake high quality research in an intellectual environment that informs theory, policy and practice and promotes staff development. Research, consultancy and practice are all seen as providing valuable inputs into the education of architecture, town planning, and landscape architecture students.

**There are six research centres based within the School:**

- Centre for Architectural Research & Development Overseas
- Construction Informatics Research Centre
- Centre for Research in Environmental Appraisal & Management
- Centre for Research on European Urban Environments
- Centre for Tectonic Cultures
- Centre for Urban Technology

Blending the work of our internatio-

nally recognised research centres, the School is developing a critical understanding of the design, development and habitation of towns, cities and regions in a rapidly globalising, technically sophisticated, and culturally diverse social and physical world. Collectively, our research objective explores the social, political, technical and physical construction of space and place in the past, present and future.

**Student Activities**

The student associations are actively involved in the development of the curriculum and with the extensive programme review process. Students establish effective and ongoing relationships with local and national professionals and they organise many extracurricular activities.

Most students in the school spend part of their studies working on placement in a commercial or public organisation. This experience and the links which develop between the students and employers enables the School to maintain close contacts with the world of work and enables senior students to undertake research and design projects in practice situations.

**Administrative Staff**

The Department employs 40 full-time and numerous part-time academic staff.

- Head of School  
Stuart Cameron
- Head of Architecture  
DI Leitch
- Head of Planning  
Tim Shaw
- Admission Tutors  
Steve Dudek & Barry Wood

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# The University of Portsmouth

## School of Architecture

Portland Building,  
Portland Street,  
Portsmouth,  
PO1 3AH. United Kingdom  
Tel. : 023 92 842083  
Fax : 023 92 842087  
Email ; karen.parsons@port.ac.uk  
http : //www.port.ac.uk



### Degree programmes

Degree	Minimum duration of study	Admission requirements
BA Honours Degree in Architecture	3 years full time	At least 3 'A' levels providing a minimum of 18 points. It is advantageous to have studied Art and Physics at least to GCSE level (or equivalent). BTEC HND,HNC, GNVQ and Foundation Course students are invited to apply. Each case will be decided on merit
Postgraduate Course Diploma in Architecture	2 years full time or part time	An Honours degree in Architecture (normally a minimum of a Lower Second), and RIBA Part 1. Each applicant is assessed by a panel on his or her individual merits for entry to the course. Applicants from other schools apply on University Application form
MSc Architecture and Environment	1 year full time 2 years part time	An appropriate degree or equivalent, or relevant experience
Master of Architecture	1 semester full time	Completion of a Postgraduate Diploma in Architecture with RIBA part 2 exemption and interview relating to specialist field of study

### General information

The Portsmouth School of Architecture has at its core the objective of developing the individual student to become a member of the architectural profession, equipped with the necessary skills to enhance the environment in which we live. Central to this aim is the need to learn the relevance of context - both historical and theoretical, the possibilities that an awareness of technological opportunities creates, and the importance of effective communication. The department is accommodated in a new, purpose-built School, designed by our esteemed Professor of Architecture, Sir Colin Stansfield Smith, in which are housed some of the most dynamic studios, well resourced libraries and advanced architectural computer teaching facilities. These resources combined with the excellence of architectural teaching by our internationally recognised educators, complemented by our extensive student exchange programmes, create the special environment in which we encourage our students to flourish. In particular, Portsmouth places emphasis on the nature of precedent as a motivating force behind design, an awareness of environmental concerns and the ability of the architect to adapt to the ever changing needs of society. The undergraduate course covers the fundamental architectural principles that are then further explored and developed in the postgraduate programmes. This leads to both qualifications as a registered architect and the opportunities to

develop specialisms through our Master of Architecture courses.

**BA Honours Degree in Architecture**  
Honours degree carries exemption from the Royal Institute of British Architects Part 1 Exam. 50% of course dedicated to studio projects. Architecture is the art of making the world habitable, and its study attracts students from a wide range of backgrounds who share a commitment to understanding and improving the human environment. The practice of architecture requires a rare combination of creativity, personal enthusiasm, and technical ability. The three years of the course provide a broadly based introduction to the cultural and environmental context of architecture, and a thorough grounding in the techniques of architectural design and technology. Studio based projects, prepared by a team of architect tutors under the direction of our distinguished Professor of Architectural Design, Sir Colin Stansfield-Smith, form the core of each year's work, occupying at least 50% of the available time; the remainder of the curriculum is devoted to formal teaching by means of lectures, workshops, and seminars.

### Curriculum : BA Honours Degree in Architecture

- Year 1  
Creative, analytical and decision-making abilities are developed through a series of Design Projects which form the central activities of the course, and which integrate knowledge and techniques from the

two areas of Architectural Technologies and Culture and Context. Units entitled "Architectural Skills", which focus on computing and drawing, also start in the first year and continue throughout the course. Design Projects deal with: the language of architecture, analysis of formal precedents, user studies, landscape, planning and circulation, investigation of construction and environmental comfort.

- Years 2 and 3

The subjects introduced in the first year are developed in greater depth and integrated into a sequence of design projects which explore issues of dwelling, landscape and settlements, and the design of community and public buildings. The study of formal precedents continues and cumulates in the third year with detailed analyses of the ideas and work of leading contemporary architects.

### Postgraduate Course : Diploma in Architecture

Diploma carries exemption from RIBA part 2 exam. The Diploma in Architecture involves a further two years of study and is normally preceded by a year of supervised office experience.

### Curriculum: Diploma in Architecture

The course aims to empower students to build confidently on their professional and degree experience and so encourages self motivation through the provision of a number of special study interests in the areas of urbanism and environment. Accordingly, a pathway system deter-



mines the method by which students combine and direct three vehicles of study: special study options (including Urban Housing, Computer Aided Design and Bio-Climatic Design); dissertation; and design theses. Supporting the pathway programme is an initial semester of Diploma Foundation study comprising courses in advanced construction and environmental studies, urban and architectural theory, and research methods. A two-part design project also introduces students to the methods and interests of the diploma school. Professional studies are concentrated into the beginning of the second year of the course. Suitably qualified students also have the opportunity to spend up to a year abroad as part of the School's extensive exchange programme. The opportunity also exists to convert components of the diploma towards an MSc in Architecture and Environment or an M Arch

**Professional Studies**

Professional Studies form an integral part of the Degree and Diploma Course. This, together with a minimum period of 24 months supervised work experience under the RIBA practical training scheme, leads to the Part 3 Examination in Professional Practice offered by this School, success in which is necessary for a person to be placed on the Architects' Registration Board of the UK register and to practise under the title 'Architect'. The first 12 months of Practical Training are normally undertaken between the Degree and Diploma Courses and are generally referred to as Year 4. The Second 12 months follow the Diploma.

**MSc Architecture and Environment**

The course is designed for recent graduates with a background in the built environment who wish to develop their knowledge and understanding of the influence of bioclimatic and related environmental issues on the building design and/or develop computer modelling skills. It should also be of benefit to a range of other construction industry graduates and professionals involved in the design process.

**Curriculum: MSc Architecture and Environment**

This programme is intended to enable participants to develop computing skills relevant to architecture,

and/or to take an analytical approach to the assessment of environmental impact of building, to engage in current debates about the potential role of micro-climate as a generator of architectural form and regionalist expression, and to create environmental functionality and delight through design. Students are introduced to a wide variety of concepts and techniques including bioclimatic analysis, thermal and luminous performance simulation and undertaking case studies.

**Master of Architecture**

The course is designed for recent graduates from the part 2 stage of an architecture. Course who wish to further investigate their specialist interests in the broad field of architecture. The course builds on the preoccupations of such graduates developed in their diploma studies.

**Curriculum : Master of Architecture**

The programme is intended for graduates who have developed particular areas of interest during their diplomas course studies. Accordingly the course builds on the major key areas of the diploma course; special study options in year one of the diploma and the two major areas of study in the second year of the diploma course, the dissertation and the thesis design.

The course is designed to enhance the individual's abilities in specialist areas in the context of the changing role of the architect in society and in respect to the construction industry.

**Research**

Research is an essential activity for the faculty. Its schools and departments offer a range of opportunities to students wishing to study for research degrees. Applications to work on individual projects or to work in association with established research teams are equally welcome. Systematic research training is provided and students may register for taught postgraduate awards before continuing to complete an MPhil or a PhD, if preferred.

**Key areas of research in the School of Architecture are as follows:**

- The role of computers in design, representation and co-operative working
- Bio-climatic architectural design

- Buildings energy and environment
- Architectural theory and architectural education theory developed from cybernetics, learning and communication theories

**The Faculty of the Environment**

Architecture, Civil Engineering, Art, Design and Media, Geography and Land and Construction Management, comprise the faculty and cover a broad subject mix, each bringing its distinctive approach towards our understanding of the highly complex and multifaceted environment in which we live. In the five Schools/ Departments making up the Faculty, more than 2500 students supported by some 180 teaching and research staff are currently following courses concerned with the operation, interpretation, design, construction and management of the environment.

**The Portland Building: Home of The Portsmouth School of Architecture**

The Portland Building was opened by Lord Palumbo of Walbrook, Chancellor of the University, and houses the School of Architecture and the Department of Land & Construction Management, as well as shared common teaching and learning facilities for the Faculty of the Environment as a whole. In 1992, the Hampshire County Council Architects Department was appointed to prepare scheme drawings under the direct design control of Sir Colin Stansfield Smith, County Architect and Professor of Architectural Design at the University of Portsmouth. This resulted in the new building which serves to better utilise space by uniting all the departments in the Faculty of the Environment into a single complex adjacent to the existing: Buckingham Building - Geography, Lion Gate Building - Art, Design & Media and Burnaby Building - Civil Engineering. The accommodation of approximately 6,200m<sup>2</sup> on 4 floors includes a Faculty Learning Resource Centre on three levels, plus a 200 seat and two 80 seat Lecture Theatres. IT laboratories, lecture, seminar and tutorial/staff rooms, design studios, and workshops, together with the offices of the Faculty utilise the remaining floorspace.

# University of Belgrade

## Faculty of Architecture

Bul. Kralja Aleksandra 73/II  
11000 Belgrade, Yugoslavia

Tel. : +381 11 3370 254  
Fax. : +381 11 3370 193

DEAN: Prof.dr Zoran Nikezic  
VICE Deans: Ass.prof. Marko Savic, MSc (Teaching)  
Prof.dr Ljiljana Petrusovski, (Finances)  
Ass. Prof. Dragana Bazik, MSc (Science and Professional/Artistic Work)  
Olga Mitrovic, student (Students' matter)



### Degree programmes

Degree/Title	Minimum of study	Accredited duration	Admission requirements
BSc-Architectural Engineer	5 year	12 year completed education	Qualification Exam
MSc-Technical Sciences in the field of Architecture and Town/Country Planning	Up to 2 years		BSc grade
PhD - Technical Sciences in the field of Architecture and Town/Country Planning			MSc grade

### General information

The architectural education in Yugoslavia began in the year 1897. The School of Engineering was founded in 1846, when the Department of Architecture was a part of three Superior School Departments. The Faculty of Engineering was detached from the University structure in 1948 and transformed into the independent school of Higher School of Engineering, the same year the Faculty of Architecture became an independent and the oldest architectural University institution in Yugoslavia. Since its formation the Faculty of Architecture has produced more than 7000 engineers of architecture, about 350 Masters of Science and 130 Doctors of Technical Sciences in the field of architecture and town/country planning. The Faculty of Architecture in Belgrade is today an educational and research institution, which, in addition to the organizing of undergraduate and graduate studies, deals with architectural education, practice and research in architectural/urban design, structural design, spatial/urban planning and protection of cultural/built heritage. The Faculty of Architecture, University of Belgrade is the largest faculty of architecture in Yugoslavia and the oldest one. About 2000 students are enrolled at the moment; after a long isolated period, exchange and collaboration with foreign faculties have become more and more developed. The Faculty signed several international conventions on pedagogic and didactic collaboration including exchange of students (Ecole d'architecture de Grenoble, AHO-Oslo, MARHI-Moscow, Fondazione Ronualdo del Bianco, Firenze etc.)

### Curriculum

The present Curriculum focuses on an assembly of disciplines, design, research and technology in order to educate future "architectural engineers" as real professionals, able to work in wide range of architectural/town planning/constructive activities. Courses composing the Curriculum are the following:

Course	No of semesters
1 Architectural Drawing	2
2 Spatial and Building Economics	2
3 Fine Arts	3
4 Mathematics	2
5 Descriptive Geometry	2
6 Urban Environment and Urbanisation	2
7 Architectural Design 1	2
8 Architectural Structures 1	4
9 Physics and Materials in Architecture	2
10 History of Architecture and Settlements	4
11 Mechanics and Strength of Materials	3
12 Informatics	2
13 Architectural Design 2	2
14 Urban Structure and Zoning	2
15 Perspective	1
16 Design Studio 1	2
17 General Theses about Space	1
18 Sociology	2
19 Urban Techniques and Composition	2
20 Utilities in Architecture	2
21 Designing Process	1
22 History of Architecture in Yugoslavia	2
23 Architectural Structures 2	2
24 Architectural Design 3	2
25 Structural Design	2
26 Structural Systems	2
27 Design Studio 2	2
28 Foreign Language (English,	

French, Russian or German)	4
29 Design Studio 3	2
30 Urban Functions	3
31 Concrete Structures	2
32 Town and Spatial Planning	1
33 Construction Management	2
Professional practice at building site After the 8th semester	
34 Architectural Design 4	2
35 Architectural Structures 3	3
36 History of Arts	3
37 Wooden and Metal Structures	2
38 Modern Architecture and Town Planning	3
39 Preservation and Revitalisation of Building Heritage	1
40 Architectural Design 5	1
41 Elective group of Courses	1
45 Elective courses	1

### Diploma work

Admission requirements consist of the "Liability Test" composed of two parts:

1. Test – recognition and comprehension of space, resolving spatial, logical, graphic or stereometric assignments.
2. Free drawing of assigned space composition

The teaching language is Serbian, for the moment mentor-teaching is possible in English and entire studies in English are in preparation. The Faculty Curriculum is translated and published bilingually (in Serbian and English).

### Curriculum tendencies

The Faculty has started research and possibilities to integrate into higher European education in the field of architecture considering the Bologna Declaration and the UIA-INESCO System for Diploma Validation. The Faculty has applied this year for the Tempus project as coordinator in con-

sortium with High Technical School Aachen - Germany, Berlage Institute in Rotterdam – Holland and Ministry of Culture and Communications – France, treating the theme "Development of Higher Architectural Education in Serbia – Curriculum reforms at the Faculty of Architecture, University of Belgrade".

#### Facilities

The Faculty of Architecture is situated in Belgrade central area in the scope of the Technical Faculty complex, surrounded with several student housing buildings. In the same building are located the Faculty of Electrical Engineering, the Faculty of Civil Engineering and Architecture and Town Planning Institute of Serbia. The Faculty realises active collaboration with other faculties of architecture in Yugoslavia (Nis, Novi Sad, Podgorica, Kosovska Mitrovica) and other institutions linked professionally to the architectural/planning field. Students and staff have access to one large (250 places) and one smaller (70 places) amphitheatre, 12 classrooms for student studying and practicing, a computing classroom (20 computers) and a library with 20000 titles and periodicals.

#### Architectural Engineer

After completed 5 year programme, students develop design skills through long-term courses and practice (starting with family houses and developing to public and social buildings and complexes). They also apply to their design-projects their theoretical knowledge related to the theory and history of architecture and town planning, but linked as well to structural design, structural systems, materials etc.

The Diploma project is the final result of studies, with all professional work elements.

#### Master of Science

Within the programme MSc-Architecture and Town/Country Planning, each school year students are offered different combination of courses. The Master programme is up to four semesters (two years) and consists of compulsory and elective examinations (seminar papers), after their completion, students apply for the Master thesis work, with the issue of their on choice relating on the following courses:

- Scientific field: Graphical presentation, constructing and forming space in architecture and engineering – Course: Descriptive Geometry
- S.f.: Urban and spatial Planning – Urban and Spatial Planning and Urban Design
- S.f.: Preservation and revitalisation of built heritage & History and theory of architecture and town planning – Preservation, Revitalisation and Research of Built Heritage; Development of Architecture and Settlements; History and Development of Architectural Theories
- S.f.: Architectural Organisation of Space, Architectural Materialisation of Space – Housing; Architectural Organisation of Space; Rural Environment, Planning and Building; Morphology of Organised Space and Time; Architecture, Technology and Energy; Architectural-Urban Design.
- S.f.: Architectural engineering – Structural Systems in Architecture

Graduates are awarded the title Master of Science in the specific scientific field.

#### Post graduate programme

After obtaining the MSc title, candidates may apply for the Doctor's title, by submitting special PhD work and by offering evidence on their research, publishing and scientific activities.

The work is guided by specially formed Commission for each candidate.

#### Research activities

This school year the Faculty of Architecture, University of Belgrade started to realise seven national scientific projects guided by the Ministry of Science, Technologies and Development of Serbia under the following titles:

- General and Local Stability of Bar, Net and Truss Structures
- Theory of Grouped Super-Matrix Analysis, Its Implementation into Mechanical Problems and Forming of Appropriate Algorithms for Computer Analysis
- Redefinition and Development of Methodological/Model of Planning, Designing and Building Basis formed on Sustainable

Development Principles of Towns and Regions in Serbia

- High-Economic Constructing of Space Structures by Developing and Applying New Scientific Methods in Design and Technology
- Development of Rural Areas and Settlements in Serbia
- Eco-House – Production System of Prefabricated Buildings Based on Wood and Wooden Products
- Regionalisation of Serbia Space –Involving Strategy into European Integration Processes
- Energy Optimisation of Buildings in Sustainable Architecture Context

#### Student activities

The Students' Association of the Faculty organises workshops, lectures, exhibition and other activities related to students interests. Student teams and individuals obtained awards in many significant national and international competitions. Workshops have been organised several times with foreign students (ex.: AHO-Oslo, Columbia University-New York etc.) treating various issues in order to exchange knowledge and experiences.

#### Organisation

Teaching and research activities are carried out by 57 teachers (professors and assistant professors) and 73 teaching collaborators (junior assistants, teaching assistants and lecturers). Among the teaching staff, there are 33 Doctors and 35 Masters of Science. Teaching, scientific and research activities are organised and conducted by six Departments:

1. Department for Architectural and Urban Design (Chairman Prof.arch. S. Rajovic)
2. Department for Town and Spatial Planning (Chairman Prof.dr N. Lazarevic-Bajec)
3. Department for Building Structures, Construction Technology and Ecological Engineering (Chairman Prof.dr A. Krstic)
4. Department for Structural Design (Chairman Prof.dr M. Nestorovic)
5. Department for History and Theory of Architecture and Arts (Chairman Prof.dr M. Perovic)
6. Department for Visual Communications (Chairman Prof.mr D. Jelenkovic)



# EAAE GUIDE

## General list Schools of Architecture in Europe

<b>ARMENIA</b> State University of Architecture Department of Architecture	<b>BELGIUM</b> Institut Supérieur d'Architecture St-Luc Institut Supérieur St-Luc de	<b>FRANCE</b> Ecole d'Architecture de Nantes La
<b>AUSTRALIA</b> University of Newcastle Department of Architecture	<b>BELGIUM</b> U.C.L. Unité d'Architecture	<b>FRANCE</b> Ecole Spéciale d'Architecture ESA
<b>AUSTRIA</b> Technische Universität Graz Fakultät für Architektur	<b>BELGIUM</b> Hogeschool voor Wetenschap en Campus St.-Lucas Gent	<b>FRANCE</b> Ecole d'Architecture de
<b>AUSTRIA</b> Technische Universität Innsbruck Fakultät für Architektur	<b>BELGIUM</b> Institut Supérieur d'Architecture Institut Supérieur d'Architecture	<b>FRANCE</b> Ecole d'Architecture de
<b>AUSTRIA</b> Technische Universität Wien Fakultät für Raumplanung und	<b>BELGIUM</b> Institut Supérieur d'Architecture Institut Supérieur d'Architecture	<b>FRANCE</b> Ecole d'Architecture de Bretagne
<b>AUSTRIA</b> Hochschule für angewandte Kunst	<b>BOSNIA HERZOGOVINA</b> University of Sarajevo School of Architecture	<b>FRANCE</b> Ecole d'Architecture de St. Etienne
<b>AUSTRIA</b> Akademie der bildenden Künste Abteilung für Architektur	<b>BULGARY</b> University of Architecture, Civil Faculty of Architecture	<b>FRANCE</b> Ecole d'Architecture de Bordeaux
<b>AUSTRIA</b> Akademie der Bildenden Künste	<b>CHECK REPUBLIC</b> Brno University of Technology Faculta Architektury VUT Brno	<b>FRANCE</b> Ecole d'Architecture de Toulouse
<b>BELGIUM</b> Hogeschool Antwerpen Henry van de Velde Instituut	<b>CHECK REPUBLIC</b> Praha Technical University, CVUT Fakulta Architektury	<b>FRANCE</b> Ecole d'Architecture Lyon
<b>BELGIUM</b> Hogeschool voor Wetenschap en Campus St.-Lucas Brussel	<b>CHECK REPUBLIC</b> Academy of Fine Arts in Prague	<b>FRANCE</b> Ecole d'Architecture de Versailles
<b>BELGIUM</b> Institut Supérieur d'Architecture de la La Cambre	<b>DENMARK</b> Aarhus School of Architecture	<b>FRANCE</b> Ecole d'Architecture Lille-Régions
<b>BELGIUM</b> Institut Supérieur d'Architecture St-Luc St-Luc Bruxelles	<b>ESTONIA</b> Estonian Academy of Arts Faculty of Architecture	<b>FRANCE</b> Ecole d'Architecture de Nancy
<b>BELGIUM</b> Institut Supérieur d'Architecture Institut Supérieur d'Architecture	<b>ESTONIA</b> Estonian Art Academy School of Architecture	<b>FRANCE</b> Ecole d'Architecture de Normandie
<b>BELGIUM</b> Vrije Universiteit Brussel Faculteit Toegepaste	<b>FINLAND</b> Helsinki University of Technology Department of Architecture	<b>FRANCE</b> Ecole d'Architecture du Languedoc
<b>BELGIUM</b> Provinciale Hogeschool Limburg Department Architectuur en	<b>FINLAND</b> University of Oulu Department of Architecture	<b>FRANCE</b> Ecole d'Architecture de Strasbourg
<b>BELGIUM</b> Universiteit Gent Faculteit Toegepaste	<b>FINLAND</b> Tampere University of Technology Department of Architecture	<b>FRANCE</b> Ecole d'Architecture Paris Val de Site de Bonaparte
<b>BELGIUM</b> K.U. Leuven Departement A.S.R.O.	<b>FRANCE</b> Ecole d'Architecture de Marne la	<b>FRANCE</b> Ecole d'Architecture et de Paysage de
<b>BELGIUM</b> Institut Supérieur d'Architecture St-Luc Institut Supérieur St.-Luc de	<b>GERMANY</b> Bergische Universität - Fachbereich 10 Architektur	<b>GERMANY</b> Fachhochschule Aachen Fakultät für Architektur
<b>BELGIUM</b> Institut Supérieur de la ville de Liège,	<b>GERMANY</b> Fachhochschule Augsburg Fachbereich Architektur und	<b>GERMANY</b> Fachhochschule Biberach Fachbereich Architektur
<b>BELGIUM</b> Université de Liège Faculté Sciences Appliquées,	<b>GERMANY</b> Fachhochschule Bielefeld Fachbereich Architektur	<b>GERMANY</b> Fachhochschule Bochum Fachbereich 1 Architektur
<b>BELGIUM</b> Faculté Polytechnique de Mons Département d'Architecture	<b>GERMANY</b> Ecole d'Architecture de Grenoble	<b>GERMANY</b> Fachhochschule Coburg Fachbereich Architektur
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School of Architecture

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Architettura di

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Politecnico di Torino I  
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University of Sassari  
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LITHUANIA  
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Department of Architecture

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Kaunas Institute of Art  
Department of Architecture

LITHUANIA  
Kaunas Univ. of Technology  
Department of Architecture

LITHUANIA  
Vilnius post-secondary vocational  
Interior and advertisement.

LITHUANIA  
Vilnius College of Building

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Univerzitet "Sv.Kiril i Metodij"  
Faculty of Architecture

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Faculty of Architecture and Civil

MALTA  
Foundation for International  
Studies

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The University of Malta  
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Technische Universiteit Eindhoven  
Faculteit Bouwkunde

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Windesheim  
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NORWAY  
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Science and  
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POLAND  
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Wydział Architektury PB

POLAND  
Politechnika Gdanska  
Instytut Architektury

POLAND  
Sztuk Plastycznych Gdansk  
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Wroclaw University of Technology  
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Politechnika Szczecinska  
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 RUSSIA  
 Moscov Architectural Institute  
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 RUSSIA  
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 SCOTLAND  
 University of Strathclyde  
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 SCOTLAND  
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 Watt  
 School of Architecture  
 SCOTLAND  
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 School  
 Mackintosh School of  
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 Slovenska Technicka Univerzita  
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 SLOVAC REPUBLIC  
 Vysoka Skola Vytvarnych Umeni  
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 Sola za Arhitekturo  
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 Universidad de Navarra, E.T.S.A.  
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 E.T.S.A.  
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 Catalunya  
 Escola d'Arquitectura Del Valles  
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 Universidad Politecnica de  
 Valencia  
 E.T.S.A.  
 SPAIN  
 Universidad de Valladolid  
 E.T.S.A.  
 SPAIN  
 Universidad de Granada Escuela  
 de Arquitectura de  
 SPAIN  
 Universidad de Sevilla, E.T.S.A.  
 SPAIN  
 Universidad Europea - CEES  
 SWEDEN  
 Chalmers Tekniska Högskolan  
 Sektionen för Arkitektur  
 SWEDEN  
 Lund Universitetet  
 Arkitektutbildningen  
 SWEDEN  
 Royal Institute of Technology  
 (STVL)  
 School of Architecture  
 SWITZERLAND  
 Université de Genève  
 Institut d'Architecture  
 SWITZERLAND  
 Ecole Polytechnique Federale de  
 SWITZERLAND  
 ETH Zürich  
 Architekturabteilung  
 SWITZERLAND  
 Ingenieurschule Bern HTL (ISBE)  
 SWITZERLAND  
 Ingenieurschule Biel (HTL)  
 SWITZERLAND  
 Fachhochschule Aargau  
 Department of Architecture  
 SWITZERLAND  
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 SWITZERLAND  
 Hochschule Technik & Architektur  
 SWITZERLAND  
 Ingenieurschule Beider Basel (IBB)  
 SWITZERLAND  
 Hochschule für Technik, Wirtschaft  
 Department of Architecture and  
 SWITZERLAND  
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 Zürcher Hochschule Winterthur  
 Architektur, Gestaltung &  
 SWITZERLAND  
 Ingenieurschule Zürich (ISZ)  
 SWITZERLAND  
 Ecole d'ingénieurs ETS  
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 SWITZERLAND  
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 SWITZERLAND  
 Ecole d'Ingénieurs de Genève  
 SWITZERLAND  
 Ingenieurschule Brugg-Windisch  
 TURKEY  
 Anadolu Universitesi, Müh -  
 Mimarlik  
 Department of Architecture  
 TURKEY  
 Balikesir Universitesi, Müh -  
 Mimarlik  
 Department of Architecture  
 TURKEY  
 Cukurova Universitesi, Müh -  
 Mimarlik  
 Department of Architecture  
 TURKEY  
 Dicle Universitesi, Müh - Mimarlik  
 Department of Architecture  
 TURKEY  
 Dokuz Eylul Universitesi  
 Faculty of Architecture  
 TURKEY  
 Istanbul Teknik Universitesi, Müh -  
 Faculty of Architecture  
 TURKEY  
 Karadeniz Teknik Universitesi, Müh  
 Department of Architecture  
 TURKEY  
 Mimar Sinan Universitesi Faculty  
 of Architecture  
 TURKEY  
 Orta Dogu Teknik Universitesi  
 Faculty of Architecture  
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 Selcuk Universitesi, Müh -  
 Mimarlik  
 Department of Architecture  
 TURKEY  
 Süleyman Demirel Universitesi,  
 Müh  
 Departement of Architecture

TURKEY  
Trakya Universitesi, Müh -  
Mimarlik  
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Yildiz Universitesi  
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TURKEY  
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Mimarlik  
Department of Architecture

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Faculty of Architecture

TURKEY  
Eastern Mediterranean University  
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TURKEY  
Bahçesehir Üniversitesi

TURKEY  
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Izmir Institute of Technology  
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Architectural Association  
School of Architecture

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University of Central England  
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Canterbury School of Architecture

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School of Architecture, Planning

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School of Architecture

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School of Architecture and

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Hull School of Architecture

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The Robert Gordon University  
Scott Sutherland School of

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Department of Architecture and

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Cardiff University  
The Welsh School of

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The University of Luton, Faculty of  
School of the Built Environment

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University of Belgrade  
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Hong Kong  
Department of Architecture

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