The degree in Technical Architecture and Construction prepares graduates to direct projects, construction work and maintenance.

Technical Architecture and Construction is the adaptation of what was previously the profile of the quantity surveyor under the European Higher Education Area. So, on completion of this degree you will be able to control and supervise parts of the construction process.

We will train you how to manage time, to plan your own tasks as well as those of the building team. You will learn how to do manage budgets as if you were part of the company while understanding those of investors and developers. La Salle offers you and teaches you how to use the latest management tools, applications and new materials to enable you to undertake all these tasks and deliver work of the highest quality.

The subjects of the degree course are led and coordinated by our faculty of professors, all of whom are active professionals and whose own working experience enriches their teaching. From day one, each student is assigned a tutor to provide personalized mentoring and to guide her or him through the whole degree programme.

In La Salle, you learn by doing, and this is why you will do the work placements our Careers Office in companies which give you the opportunity to carry out site visits, go on student exchange programmes and take part in international events.

There is a growing need for more professionalism, which equates to having a more complete technical training.
### ACADEMIC PROGRAM - DEGREE IN TECHNICAL ARCHITECTURE AND CONSTRUCTION

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 3</td>
<td>Semester 5</td>
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<tr>
<td><strong>Physics</strong></td>
<td><strong>Computing</strong></td>
<td><strong>Physics II:</strong> Integrated services and installations</td>
<td><strong>Topography</strong></td>
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<td>5.5</td>
<td>8.5</td>
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<tr>
<td><strong>Maths</strong></td>
<td><strong>Computing Tools I</strong></td>
<td><strong>Chemistry and Geology</strong></td>
<td><strong>Construcción III</strong></td>
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<td>8.5</td>
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<tr>
<td><strong>Graphic expression: Drawing</strong></td>
<td><strong>Descriptive Geometry I</strong></td>
<td><strong>Business: Agents of the Construction Process</strong></td>
<td><strong>Materials: Regulations and Control</strong></td>
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<tr>
<td><strong>PIC I</strong></td>
<td>2</td>
<td>3</td>
<td>3</td>
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<tr>
<td><strong>History: Introduction to Architecture</strong></td>
<td><strong>Construction I</strong></td>
<td><strong>Steel and concrete structures</strong></td>
<td><strong>Elective I</strong></td>
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<tr>
<td><strong>Architectural Analysis</strong></td>
<td><strong>Introduction to Building structure</strong></td>
<td><strong>Special installations</strong></td>
<td>8</td>
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<tr>
<td><strong>PIC II</strong></td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td><strong>Legislation and Regulations</strong></td>
<td><strong>Construction II</strong></td>
<td><strong>Organization and Control of Building work</strong></td>
<td><strong>Measurements</strong></td>
</tr>
<tr>
<td>6</td>
<td>8.5</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Applied Drawing Expression</strong></td>
<td><strong>Planning and Management</strong></td>
<td><strong>Building lot Visits</strong></td>
<td><strong>3</strong></td>
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<tr>
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<td>6</td>
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<td>3</td>
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<tr>
<td><strong>Computing tools II</strong></td>
<td><strong>PIC III</strong></td>
<td><strong>Urban Management</strong></td>
<td>3</td>
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<tr>
<td>8.5</td>
<td>2</td>
<td>6</td>
<td>6</td>
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<tr>
<td><strong>20th Century Architecture</strong></td>
<td><strong>Building details (Portfolio)</strong></td>
<td><strong>Building details (Portfolio)</strong></td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>Final Degree project (portfolio)</strong></td>
<td><strong>Foreign Language I</strong></td>
<td><strong>Elective II</strong></td>
<td>3</td>
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<tr>
<td>11.5</td>
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</tbody>
</table>

**Common subjects on the Degree in Architecture**

**TITLE:** Degree in Technical Architecture and Construction

**ECTS CREDITS:** 240 ECTS  **LENGTH:** 4 years

**FORMAT:** On-campus program  **LANGUAGE:** Catalan, Spanish and English
**TESTIMONIALS**

**CASE STUDIES**

--- JAUME SAURA ---

**Degree in Technical Architecture and Construction, Technical Architect at B.I.M.S.A. – Barcelona**

“I am a graduate of the Construction Engineering degree and I have always been able to count on the Faculty members for support, advice and guidance on completion of my studies. Their help has enabled me to make my way in the construction sector, and today I am a technician at B.I.M.S.A.”

--- ELISABETH SALA ---

**Dual degree in Higher Architecture and Degree in Technical Architecture and Construction, Technical Director of La Casa por el Tejado – Barcelona**

“I am a quantity surveyor and an architect. Thanks to La Salle, I was able to study the two degree programs at the same time and this helped me understand the construction process from start to finish. Now I work side-by-side with the professionals who were once my teachers.”

--- BORJA REVERTER ---

**Degree in Technical Architecture and Construction, Director of CAAS Arquitectos – Barcelona.**

“I run a studio made up of an international team which undertakes architectural, urban and landscape projects all over the world.”

“Our construction process is a dynamic activity which is never still. This dynamism demands the best of us, requiring our constant attention and excellent training.”

**FACTS AND FIGURES**

**93% OF OUR FACULTY ARE ACTIVE PROFESSIONALS**

68% Degree in Technical Architecture and Construction graduates on work placements

64 agreements with architecture firms

**TRAINING AGREEMENTS**

**APPLUS NORCONTROL S.L.U.**

Jordi Gil Visús

Director of Laboratories and Engineering

“The trainees we have from La Salle, who have been working here at the APPLUS NORCONTROL Laboratories for a few months now, are doing an excellent job and show great attention to quality as well as great dedication to the work itself. Another characteristic, which is equally important if not more, is this strong sense of initiative that they have and how their contributions and ideas can improve previously processes. I think you have to be able to read the situation, and this is something which the La Salle students excel at.”

**VALERI CONSULTORS**

Gabriel Valeri Comas

General Director of Valeri Consultants

“The abilities of the graduates that you have sent us are superior to those from other schools, their knowledge on certain subjects is the result of a magnificent university training. It's as if the teaching faculty and the study program came from a real professional environment. If I ever have to ask for help again, I will definitely go back to La Salle.”
PER QUÈ ESTUDIAR EDIFICACIÓ A LA SALLE?

**WORK PLACEMENTS**
A core subject which will introduce you to the working world. You will go to the companies and the companies will come to you.

**SITE VISITS**
You will see construction work closer than ever, you will carry out visits with professionals, you will see first-hand how to build, manage and coordinate on site.

**STUDY PROGRAM ADAPTED TO THE SECTOR**
Technology, management and design from start to finish. You will take part, audit and lead projects and construction works.

**TEACHING FACULTY**
Active professionals who will help you learn, resolve doubts and integrate into the working world.

**COMBINATION OF THEORETICAL AND PRACTICAL TRAINING**
We offer a theoretical and practical course based on processes. This method will help you find the best solution to the problems you encounter, assessment is continuous and students receive personalized mentoring and supervision.

**TRANSVERSATILITY**
You will share the campus with architects, engineers and business students – your clients of today and tomorrow.

WHY STUDY THE DEGREE IN TECHNICAL ARCHITECTURE AND CONSTRUCTION AT LA SALLE?
### CAREER OPPORTUNITIES

#### HEALTH AND SAFETY
- Director of Health and Safety
- Technical assistant for Health and Safety in Construction
- Health and Safety assistant.
- Health and Safety auditor.
- Health and Safety coordinator.

#### CONSTRUCTION MANAGEMENT
- General manager
- Site manager.
- Production manager.
- Study manager.
- Purchasing manager.
- Study assistant.
- Quality and Environment controller.

#### PROJECT MANAGEMENT
- Structures.
- Rehabilitations.
- Installations
- Measurements and Topography.
- Emerging Calculus.
- Interiorisme.

#### MANAGEMENT TASKS
- General Director/manager.
- Delegate
- Technical director.
- Production manager

#### PROJECT MANAGEMENT
- Project manager.
- Construction manager.
- Urban planner.
- Urban development.

#### EXTERNAL QUALITY TECHNICAL AUDITING
- Technical Project auditing.
- Technical auditing in Building execution.
- General auditor.
- Technical assistant/consultor.
- Director of technical auditing.

#### TECHNICAL CONSTRUCTION MANAGEMENT
- Construction director.
- Assistant construction director.
- Site supervisor.
- Building material quality controller
- Financial controller.

#### MANAGEMENT OF EXISTING CONSTRUCTIONS
- Safety manager.
- Facility manager.
- Auditor and energy certifier.
- Habitability auditor

#### QUANTITY SURVEYING
- Legal surveying.
- Property estimations and surveying.
The study program includes training in the following programs: AutoCAD 2D and 3D, Autodesk Revit Architecture, 3D Studio Max, Photoshop and TCQ, all of which use the latest version available. Most of the students who complete the degree in Technical Architecture and Construction go on to successfully obtain a full degree in Architecture. All first-year subjects and part of those in second year are common to both programs. From day one, teachers and tutors are in close contact with students to help them take the right decisions and to ensure that they opt for the program which best adapts to their abilities and aptitudes. This way, students who are not sure which degree to choose can decide at the end of second year which means that they don’t lose a year of study. A high percentage of graduates find work on completion of their studies. Figures for finding employment on completion of either of the courses are positive. 85% of all our alumni are currently in active employment. Local and international employment: 85% are national while 15% find work abroad.
MASTERS AND POST-GRADUATE COURSES

You will have the chance to continue studying at La Salle on completion of the Degree in Technical Architecture and Construction.

- **MGIC** – Máster Universitario en Gestión Integral de la Construcción (90 ECTS).
  (Master in Integral Construction Management)
  This master equips you with the skills and knowledge needed to manage any project from the five specialities.

- **MIAD** – Master in Integrated Architectural Design
  This master focuses on integrated design and architectural research.
  The MIAD enables you to go on to the DPIA doctoral program and form part of one of our research groups.
At La Salle we help you become the best. If you want to be highly-motivated, proactive and are willing to lead teams, you will always have work.

We provide the passion.

Are you going to accept the challenge?

Enric Peña (Final Degree Project Seminar Responsible)

GRANTS

We seek to attract talent and therefore strive to help those students to study with us, regardless of their financial or family situation or their geographical or cultural background.

An average of 49% of the undergraduate students at La Salle–URL benefit from grants awarded by La Salle.

Grants for new students:

1. Financial aid for Academic Excellence  
2. La Salle schools

Grants for students:

3. Internship grants

Calculate your grant here: www.salleurl.edu/becas