

# BAI Program

## POSTGRADUATE DEGREE IN DESIGN, INDUSTRIALIZATION, AND ROBOTICS IN CONSTRUCTION

### WHAT IS BAI?

The BAI Institute is a National Reference Center for Innovation and Industrialization of Architecture and Construction, whose main objective is research in innovative technological systems applied to architecture and engineering, and the training of architects, engineers and construction professionals through cutting-edge design and construction methods, in an effort to prepare companies and technical personnel at all levels (from vocational training to postgraduate level) to respond to the demands of contemporary society.

### WHAT IS THE 'BAI PROGRAM'?

The BAI Institute, in collaboration with ETH Zürich (one of the most prestigious technological universities in the world), offers a postgraduate program (BAI Program), with a total of 180 credits (90+90) that, once completed in two academic years, will give access to a double postgraduate specialization degree: 'Specialist in Fundamentals of Construction Design and Innovation' and 'Specialist in Advanced Design and Industrialization of Construction'. Upon completion of the Postgraduate Final Project, students obtain the final title of BAI POSTGRADUATE.

### STUDENT PROFILE

The BAI program is aimed at those seeking excellence in design applied to new construction technologies in the field of innovation and industrialization of architecture. It is oriented, therefore, to a broad public formed by technicians, ranging from graduates in architecture and engineering to professionals with degrees in the world of construction with aspirations to a specialization of excellence.

### SCHOLARSHIPS

Enrollment in the BAI Institute's Postgraduate Program will be channeled mainly through scholarships awarded by the Institute's collaborating entities and regional administrations. The calls for scholarships will be made public through the official website of the BAI Institute.

### DEGREES

Directors: Francisco Mangado and Andrea Deplazes

Number of credits: 180 (90+90)

Duration: 20 months (two courses 10+10)

Location: BAI Institute, Pamplona

Languages: Spanish/English

Tuition: mainly through scholarships (18,000 euros per course)

Degrees: BAI Program postgraduate degree (Specialist in Fundamentals of Construction Design and Innovation + Specialist in Advanced Design and Industrialization of Construction).

Information: [programabai@bai-institute.es](mailto:programabai@bai-institute.es)

### COURSE OF STUDY

#### Module 1

##### DESIGN INNOVATION DIGITAL TECHNOLOGIES

40 ECTS (20+20)

#### Module 2

##### ENVIRONMENT CONSTRUCTION HISTORY

40 ECTS (20+20)

#### Module 3

##### THOUGHT CRITIQUE PROJECT

10 ECTS (10)

#### Module 4

##### CITY ECONOMY SOCIETY

10 ECTS (10)

##### Transversal Laboratory

##### LABORATORY FOR ADVANCED PROJECTS

80 ECTS (30+50)