PoliBA at a GLANCE

Politecnico di Bari

THE **PROFILES** WE **SHAPE**

Architect
Architectural and urban planning, landscapes, architectural heritage, city research studies, construction techniques, archaeology.

Designer
Product design, furniture design, service design, interaction design, interior design, exhibit design, textile design, graphic design, visual communication.

Environmental and Land Engineer
Risk, smart environments, principles of energy, land reclamation, reuse and recycling of materials, sustainability engineering, hydrogeological risk, landslides and flooding, coastal erosion, climate emergency, urban and territorial planning, satellite monitoring.

Civil Engineer
Planning and maintenance of structures and infrastructures (bridges, roads, railways, buildings and monuments, dams, airports, reservoirs, viaducts, pipelines, foundations, tunnels), landslide, flooding and earthquake risk, civil protection.

Building and Building Systems Engineer
Building technology, building sustainability, building restoration and renovation, building management, digital modelling, energy efficiency, construction output and processes, structural safety.

Qualified Surveyor and Industrial Engineer
Measuring, land and building heritage protection, land registry and property evaluation, management and coordination of construction companies and building sites, building energy efficiency.

Electrical Engineer
Production and distribution of energy, renewable sources, smart grids, electrical machinery and drives, electrical systems, industrial electrical systems, energy saving.

Automation Engineer
Control systems, logistics, industrial automation, robotics, mechatronics, industry 4.0.

Telecommunications Engineer
Wireless and radio networks, satellite communication, data networks, IoT, remote sensing, antennae, network security.

Electronic and Internet Technology Engineer
Electronic systems and components, integrated circuits, sensors, internet technology and mobile networks.

Management Engineer
Business management, organisational, logistics and productions systems, project management, start-ups, patents, entrepreneurship and innovation, company administration, operations management, digital innovation.

Information Technology Engineer
WWW, applications, databases, information systems, AI, semantic web, recommendation systems, Linked Open Data, big data, artificial vision.

Mechanical Engineer
Mechanical planning, production technology, alternative energy and engines, fluid dynamics, innovative materials, systems, aeronautics, mechatronics and robotics, automotive engineering, intelligent factories, biomechanics.

Aerospace Systems Engineer
Aeronautics, aerospace, flight systems, suborbital flights, aerospace automation and systems, infrastructures (spaceports), terrestrial and space telecommunications and remote sensing.

Medical Systems Engineer
Biomedical apparatus, telemedicine, diagnostic applications, robot-assisted systems, biomedical control systems, biomedical information systems.

Industrial and Naval Systems Engineer
Management and control of manufacturing and shipbuilding industry processes, systems and equipment, maintenance, testing, installation and repair of on-board equipment, design of energy systems, components, mechanical devices, electrical, electronic and telecommunications systems, design of naval and production systems.

Energy Engineer
Selection of energy sources, design and management of energy infrastructures, environmental and socio-economic impact assessment, energy sources, analysis of distribution and end uses of energy.

Digital Creativity Engineer
Audio and video signal processing, augmented reality, multimedia applications, gaming, music and film production.

Digital Trasformation Manager
Business process automation, data analysis, development of software solutions, integration of new technologies, management of change, customer experience.
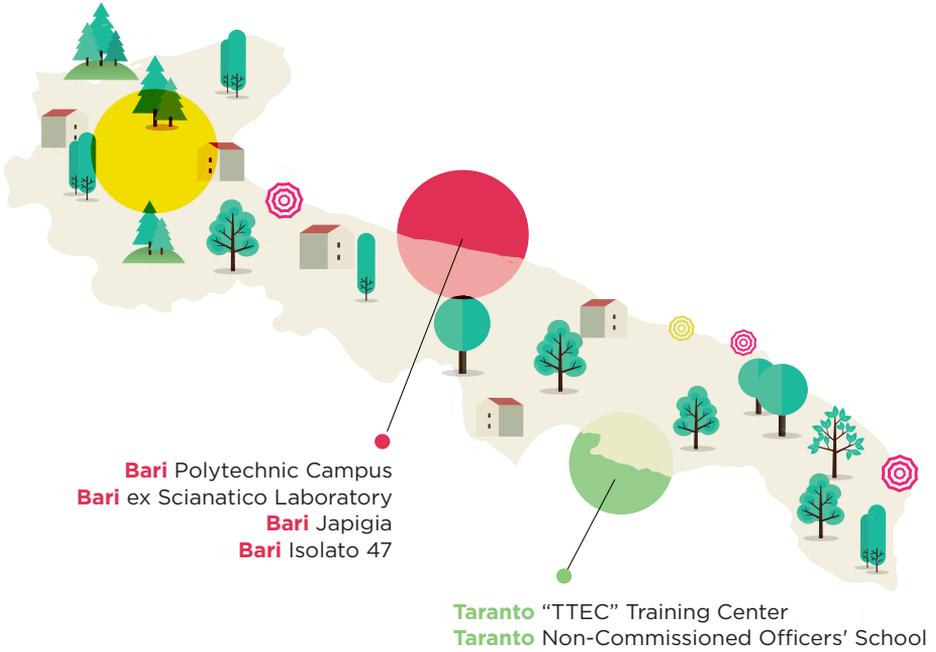
Management Engineer for Innovation
Digital transformation and innovation management, AI and data strategy, operations & supply chain management, lean & continuous improvement, project management, Industry 4.0, ERP & IT systems, business intelligence, financial, business process and tech investment analysis, startups & innovation enterprise.

Civil Infrastructure Management Engineer
Design, management and maintenance of large-scale projects and structural and infrastructure networks, ecological and digital transition, advanced representation of infrastructure systems, ICT, AI & machine learning, multi-objective optimisation strategies, advanced modelling of civil engineering systems, Digital Twin.

POLITECNICO
LOCATIONS

Bari Polytechnic Campus
Bari ex Scianatico Laboratory
Bari Japigia
Bari Isolato 47

Taranto "TTEC" Training Center
Taranto Non-Commissioned Officers' School

14 **Bachelor's degree** courses

16 **Master's degree courses** courses

1 **Single-cycle** degree course

12 **Postgraduate** courses

10 **PhD programmes** courses

1 **Postgraduate** School

7 **Double-degree courses** in conjunction with foreign universities

2 English-language **Bachelor's degree courses**
- Architecture Sciences for Heritage
- Management Engineering for Innovation

4 **English-language Master's degree** courses
- IT Engineering
- Telecommunications Engineering
- Automotive Engineering
- Mechanical Engineering

2 Courses held in **English language**
- Energy Infrastructure (as part of Master's degree in Energy Engineering)
- Deep Tech (as part of Master's Degree in Design for Cultural & Productive Contexts)

1 **Double-language course** (Italian – English)
- Deep Cult (as part of Master's Degree in Design for Cultural & Productive Contexts)

410 **Erasmus** agreements

POLITECNICO
DI **BARI** IN **NUMBERS**

500 PROFESSORS,
RESEARCHERS AND
TECHNICAL/ADMINISTRATIVE
STAFF

11.000 UNDERGRADUATE
AND POSTGRADUATE
STUDENTS

05 DEPARTMENT

Approximately **2,000** graduates every year.
After **3** years, **92.8%** of Master's graduates
have a **job**.

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international relations

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