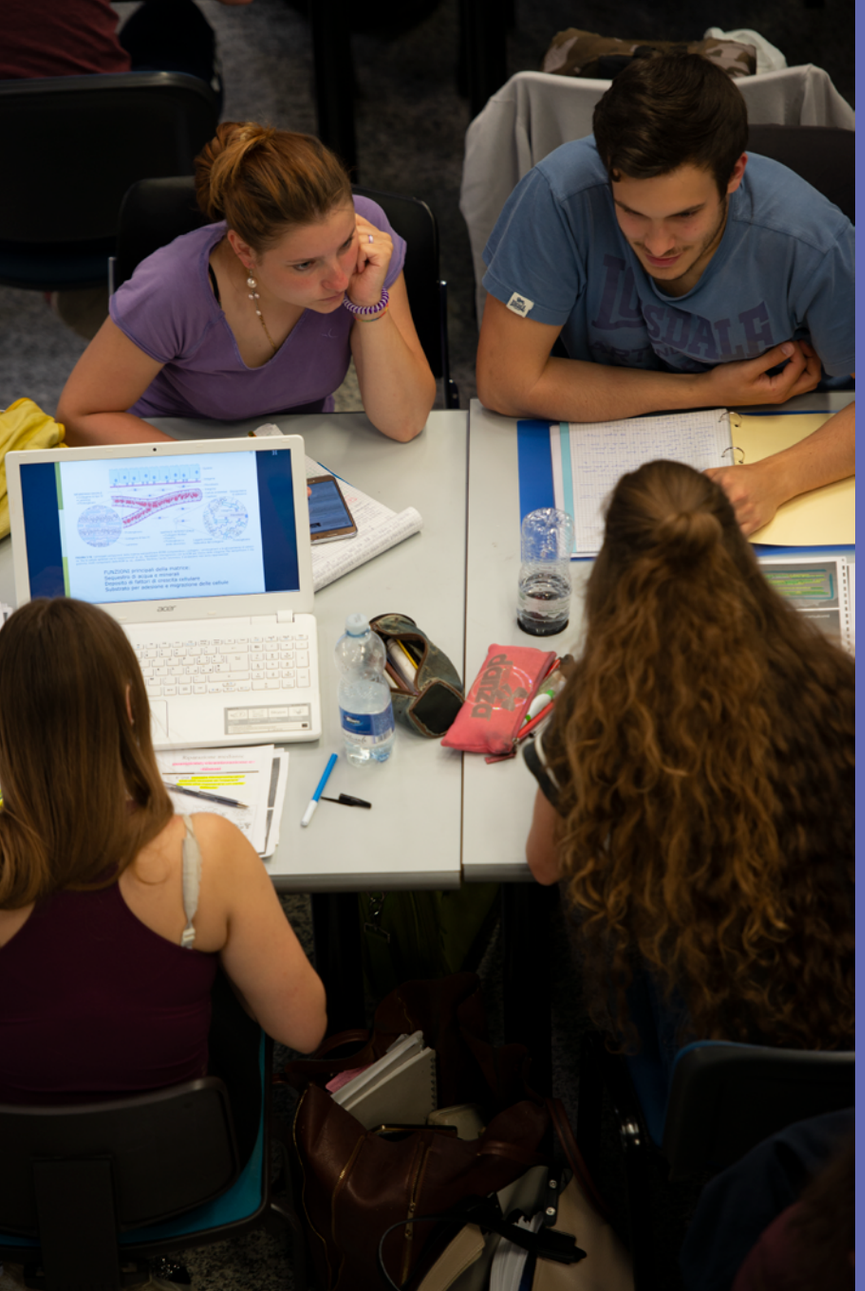

**DPIA**
DIPARTIMENTO
POLITECNICO DI INGEGNERIA
E ARCHITETTURA
UNIVERSITÀ DEGLI
STUDI DI UDINE

# STUDY IN UDINE AS AN EXCHANGE STUDENT IN **ENGINEERING OR ARCHITECTURE**

**UNIVERSITÀ DEGLI STUDI DI UDINE**
HIC SUNT FUTURA

FONDAZIONE FRIULI

**MORE ABOUT THE ACADEMIC OFFER OF DPIA:**

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## LOOKING FOR AN ENRICHING INTERNATIONAL STUDY EXPERIENCE?

Join our high-quality international exchange programme at the Polytechnic Department of Engineering and Architecture (DPIA) of the University of Udine (IT). The DPIA places a special emphasis on sustainability, both in research and teaching.
If you want to pursue an engineering career that involves creating new products and manufacturing methods with minimal environmental impact, here you'll certainly find several courses that provide the necessary tools. Unlock unique opportunities for professional development, cultural immersion and academic excellence in a beautiful country - your gateway to a brighter, sustainable future.

## COURSES TAUGHT IN THE 1ST SEMESTER

| COURSES | ETCS | FIELDS OF EDUCATION (ISCED) |
|---|---|---|
| Advances in Building Constructions | 6 | Building and civil engineering |
| Advances in Computational Mechanics | 6 | |
| Steel Constructions | 6 | |
| Decarbonisation of Processing Industry | 6 | Chemical engineering and processes |
| Sustainable Energy Conversion Systems | 6 | Electricity and energy |
| Advanced Digital Control Systems for Electrical Energy Conversion | 6 | Electronics and automation |
| Design of Electric Machines for Modern Drives | 6 | |
| Electrical and Electronic Measurements/ Electronic Instrumentation and Sensors | 12 | |
| Fundamentals of Control Systems and Optimal Control | 6 | |
| Computer Graphics | 6 | Information and Communication Technologies (ICTs) |
| Data Analytics and Machine Learning | 6 | |
| Business Strategy | 6 | Management and administration (Industrial management) |
| Circular Economy | 6 | |
| Finance and Control | 6 | |
| Marketing and Product Development | 6 | |
| Project Management | 6 | |
| Service Management | 6 | |
| Advanced Technologies for Green Manufacturing | 6 | Manufacturing and processing |
| Sustainable Manufacturing | 6 | |
| Cleaner Production Systems | 6 | |
| Applied Statistics | 6 | Mathematics and statistics |
| Models and Methods for Decision-making | 6 | |
| Digital Modelling for Structural Analysis and Design | 6 | Mechanics and metal trades |
| Green Machine Design | 6 | |
| Fundamentals of Metallurgy | 6 | |

## COURSES TAUGHT IN THE 2ND SEMESTER

| COURSES | ETCS | FIELDS OF EDUCATION (ISCED) |
|---|---|---|
| Territorial Engineering | 6 | Architecture and town planning |
| Bridge Constructions | 6 | Building and civil engineering |
| Industrial Buildings' Sustainability | 6 | |
| Plasticity and Stability of Structures | 6 | |
| Hydrogen Technology | 6 | Chemical engineering and processes |
| Energy Management | 6 | Electricity and energy |
| Exergy Analysis | 6 | |
| Advanced Scheduling Systems | 6 | Information and Communication Technologies (ICTs) |
| Innovation Management | 6 | Management and Administration (Industrial Management) |
| Sustainable Supply Chain Management | 6 | |
| Additive Manufacturing and Digital Process Innovation | 6 | Manufacturing and processing |
| Smart Manufacturing and Process Digitalization | 6 | |
| Industrial Eco-efficiency | 6 | |
| Materials for Sustainable Industrial Manufacturing Processes | 6 | |
| Aerodynamics | 6 | Mechanics and metal trades |
| Mechatronic Systems/Robotics | 12 | |
| Environmentally Friendly Plants for Steelmaking and Metallurgy | 6 | |
| Steel Making for Construction Engineering | 6 | |

All our courses in English are taught face to face at MSc level.

*Aerodynamics* and *Additive Manufacturing and Digital Process Innovation* will also be available to exchange students as asynchronous online courses from March 2025.