University of Padova

School of Engineering

Excellence in education since 1876

http://www.ingegneria.unipd.it
ingegneria@unipd.it
3113 new enrolments in the 1st level programs in a.y. 2016/17

+1095 new enrol/yr vs. 2010/11 (+49%)

12206 students in total in a.y. 2016/17 (~20% of entire UniPD)

- of which 2422 women
  (20% of total, one of the largest in EU)
153 course units taught in English  
3 Master degree programs taught entirely in English  

(see http://en.didattica.unipd.it/catalogues/2017/IN)  

~25% of the total for Master programs  

245 Master's students in International mobility per year
900 traineeships/year in companies, of which:
- 700 for students
- 200 for laureates

2.6 months
- time to first job for senior engineers

Unemployment rate for senior laureates

(source: AlmaLaurea, 2017 analysis)
Educational offer

- **All branches** of engineering covered
  - Industrial
  - Information
  - Civil & Environmental

- **13 Bachelor** degree programs (first-cycle degrees or *Laurea*)
  - 3 years

- **18 Master** degree programs (second-cycle degrees or *Laurea magistrale*)
  - 2 years

- **1 single-cycle degree** program
  - 5 years

- **8 Ph.D.** programs (*Dottorato di ricerca*)
  - 3 years

- **several Lifelong post-graduate learning programs**
  - typically, 1 year after 1\textsuperscript{st} or 2\textsuperscript{nd} cycle degree
Bachelor degrees (Laurea)

Industrial Engineering
- Aerospace Engineering
- Chemical and Materials Engineering
- Energy Engineering
- Engineering and Management
- Mechanical Engineering
- Product Innovation Engineering

Information Engineering
- Biomedical Engineering
- Computer Engineering
- Electronic Engineering
- Information Engineering
- Mechatronic Engineering

Civil & Environmental Engineering
- Civil Engineering
- Environmental and Land Planning Engineering
Master degrees (Laurea magistrale)

**Industrial Engineering**
- Aerospace Engineering
- Chemical and Process Engineering
- Civil and Industrial Safety Engineering
- Electrical Energy Engineering
- Energy Engineering
- Engineering and Management
- Materials Engineering
- Mechanical Engineering
- Product Innovation Engineering

**Civil & Environmental Engineering**
- Civil Engineering
- Environmental Engineering*
- Mathematical Engineering*
- Building Engineering and Architecture *(single-cycle program)*

**Information Engineering**
- Automation Engineering
- Bioengineering
- Computer Engineering
- Electronic Engineering
- ICT for Internet and Multimedia*
- Mechatronic Engineering

*program entirely taught in English
• Civil and Environmental Engineering Science
• Fusion Science and Engineering
• Industrial Engineering
  o Chemical and Environmental Eng.
  o Mechanical Eng.
  o Materials and Biomedical Eng.
  o Thermo-mechanical Energy Eng.
  o Electrical Energy Eng.
• Information Engineering
• Management Engineering and Real Estate Economics
• Mechatronics and Product Innovation Engineering
• Science and Engineering of Materials and Nanostructures
• Space Sciences, Technologies and Measurements
Departments

• **2 Campuses**
  – Padova and Vicenza

• **4 Engineering Depts + 2 Basic Sciences Depts**
  – Civil, Architectural and Environmental Engineering (ICEA)
  – Engineering and Management (DTG)
  – Industrial Engineering (DII)
  – Information Engineering (DEI)
  – Mathematics
  – Physics and Astronomy

• All degree programs are designed and managed by the Engineering Dpts.
• All degree programs are involved in student international mobility programs
  – virtually all Europe is covered (Erasmus Plus and TIME (Top Industrial Managers for Europe) programs)
    • typically, 6-month stay in the foreign Institution
    • the aim is to take exams or carry out the final thesis in the hosting institution
  – bilateral agreements with several other Countries
    • USA
    • China (CSC)
    • India
    • Brazil (Science without Borders)
    • Australia
    • Japan
    • …
Two semesters with classes and exam sessions. Typical schedule (subject to changes):

- **First semester**: October 1 – February 28
  - Classes: September 25 – January 15
  - Exams: January 16 – February 28

- **Second semester**: March 1 – July 20
  - Classes: March 1 – June 10
  - Exams: June 11 – July 20

One extra exam session
- August 20 – September 21

Thesis/final project: close collaboration with research labs and industries (*internships*)
- may start at any time throughout the year