



BACHELOR'S DEGREE IN MECHANICAL AND MANAGEMENT ENGINEERING
DEGREE PROGRAMME 2025/2026

Course contents are available at this [link](#)

1st year

| Sem | Teaching course | SSD* | TAF* | Credits | h |
|-----|----------------------------------|------------|------|---------|----|
| 1 | Mathematical Analysis 1 | MAT/05 | A | 9 | 90 |
| 1 | Chemistry | CHIM/07 | A | 6 | 60 |
| 1 | Physics 1 | FIS/01 | A | 8 | 80 |
| 2 | Physics 2 | FIS/01 | A | 7 | 70 |
| 2 | Fundamentals of Computer Science | ING-INF/05 | A | 6 | 60 |
| 2 | Geometry and Algebra | MAT/03 | A | 7 | 70 |
| 2 | Materials Technology | ING-IND/22 | C | 6 | 60 |

2nd year

| Sem | Teaching course | SSD* | TAF* | Credits | h |
|--|---|------------|------|---------|----|
| 1 | Mathematical Analysis 2 | MAT/05 | A | 8 | 80 |
| 1 | Technical Drawing | ING-IND/15 | B | 9 | 90 |
| 1 | Integrated course: Applied Thermodynamics and Electrotechnics | | | | |
| 1 | - Module: Applied Thermodynamics | ING-IND/11 | C | 6 | 60 |
| 1 | - Module: Electrotechnics | ING-IND/31 | C | 6 | 60 |
| 2 | Manufacturing Technology | ING-IND/16 | B | 9 | 90 |
| Curriculum Mechanical Engineering | | | | | |
| 2 | Fluid Mechanics | ICAR/01 | C | 6 | 60 |
| 2 | Construction Theory | ICAR/08 | C | 9 | 90 |
| Curriculum Management Engineering | | | | | |
| 2 | Integrated course: Essentials of Economics and Business Economics | | | | |
| 2 | - Module: Essentials of Economics | SECS-P/06 | C | 3 | 30 |
| 2 | - Module: Essentials of Business Economics | SECS-P/07 | C | 3 | 30 |
| 2 | Principles of mechanical design | ING-IND/14 | C | 9 | 90 |



3rd year

| Sem | Teaching course | SSD* | TAF* | Credits | h |
|--|--|------------|------|---------|----|
| 1 | Applied Mechanics | ING-IND/13 | B | 9 | 90 |
| 2 | Industrial Plants | ING-IND/17 | B | 9 | 90 |
| 2 | Measurements in Fluid Machines | ING-IND/08 | B | 6 | 60 |
| Curriculum Mechanical Engineering | | | | | |
| 1 | Fluid Machinery | ING-IND/08 | B | 9 | 90 |
| 1 | Integrated course: Machine Components Design | | | | |
| | - Module: Fundamentals of Machine Design | ING-IND/14 | B | 6 | 60 |
| 2 | - Module: Machine Elements | ING-IND/14 | B | 6 | 60 |
| 2 | Energy Systems | ING-IND/09 | B | 9 | 90 |
| Curriculum Management Engineering | | | | | |
| 1 | Sustainable Energy Technologies and Systems | ING-IND/09 | B | 9 | 90 |
| 1 | Integrated course: Production and logistics management | | | | |
| | - Module: Production planning and control | ING-IND/16 | B | 6 | 60 |
| 2 | - Module: Supply chain management | ING-IND/17 | B | 6 | 60 |
| 2 | Sustainability of industrial investment projects | ING-IND/35 | B | 9 | 90 |

Additional credits to be acquired

| Sem | Activity | SSD* | TAF* | Credits | h |
|-----|---|------|------|---------|---|
| | English Language Test - B1 ¹ | | E | 3 | |
| | Elective activities ² | | D | 12 | |
| | Other activities | | F | 3 | |
| | Final Exam | | E | 6 | |

TOTAL CREDITS 180

(1) The credits of European language level can be acquired:

- passing the English language test at B1 European level (CEFR) at Centro Linguistico d'Ateneo,
- showing appropriate certification of B1 European level (CEFR) knowledge.

(2) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.

The semester could change; check in [Course bulletin](#) of the academic year.

***Abbreviations**

| | |
|-----|--------------------------------|
| SSD | Scientific Disciplinary Sector |
| TAF | Type of Educational Activity |