

COURSE DETAIL

MECHANICAL TECHNOLOGY

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

MECHANICAL TECHNOLOGY

UCEAP Transcript Title

MECHANICAL TECH

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the fundamentals of mechanical manufacturing technologies and processes. It covers manufacturing systems, product design, and cost considerations, as well as metrology and quality control in production. This course discusses different manufacturing methods including molding, plastic deformation, machining, and finishing processes. It also explores automated manufacturing systems, CNC machines, CAD/CAM/CAE technologies, additive manufacturing, and welding.

Language(s) of Instruction

Host Institution Course Number

14067

Host Institution Course Title

TECNOLOGÍA MECÁNICA

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=221&anio=2025&plan=446&asig=14...>

Host Institution Campus

LEGANÉS

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería Mecánica

Host Institution Department

Departamento de Ingeniería Mecánica

Course Last Reviewed

2025-2026

[Print](#)