

UNIVERSITY OF TURKISH AERONAUTICAL ASSOCIATION
ENGINEERING DEPARTMENT
MECHANICAL ENGINEERING
INTEGRATED TRAINING SUBJECTS



The purpose of integrated training is that help students to get experience and use the theoretical knowledge learned in the classes. Also, integrated training is important to learn workplace responsibilities, organization and production process which will help students to learn what fields they want to work.

Mechanical Engineering Department students are obliged to do 2 separate internships during their education in order to qualify for a bachelor's degree. The internships will be held in industries and organizations outside the university, each for a minimum of 20 working days. According to the curriculum of the Mechanical Engineering department, students complete their compulsory integrated education in the summer term in the 4th and 6th semesters. The first of the internships to be held in institutions and organizations is ME 200, after 4 semesters of lessons are taken, and the second is ME 300 after 6 semesters of lessons are taken.

I. Manufacturing Integrated Training (ME 200)

There is two kind of integrated training; manufacturing and organization. This is a 20 day training that aims to help students to learn manufacturing techniques and material selection:

- ✓ Materials removal Processes
- ✓ Computer aided design, production and engineering (CAD,CAM and CAE),
- ✓ Plastic forming,
- ✓ Material selection and heat treatment,
- ✓ Welding Technologies,
- ✓ Casting Technologies,
- ✓ R & D

II. Organization Integrated Training (ME 300)

This is a 20 day training. Its aim is to introduce the factory, production process, maintenance, montage.

- ✓ Job recruitment,
- ✓ Production line, production capacity, cost calculation,
- ✓ Assembly Line,

- ✓ Maintenance,
- ✓ Quality Control,
- ✓ Raw material and product storage and marketing,
- ✓ Productivity analysis,
- ✓ Administration and organization,
- ✓ Office work, paper work, filing,
- ✓ Work safety,
- ✓ Industrial Automation.

Mechanical engineers must be worked in those companies.

CONTACTINFORMATION

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