

The faculty of engineering consists of nine departments :-

- Electrical Engineering
- Communication and Electronic Engineering
- Computer Engineering
- Mechanical Engineering
- Mechatronics Engineering
- Architecture Engineering
- Civil Engineering
- Renewable Energy Engineering
- Alternative Energy Technology

Mission:

The Mission of Mechanical Engineering Department in the Faculty of Engineering at the Philadelphia University of Jordan is focused on the followings:

- To expose its students to a mechanical engineering curriculum that includes multidisciplinary educational and research subjects, contemporary laboratories, and industrial trainings that are required to prepare them for a variety of professions.
- To prepare its graduates to continue their education throughout their lives, serve the profession, and face intellectual, ethical, and professional difficulties.
- To provide its students with modern drafting and analysis software in order to improve their computing abilities and to encourage them to pursue higher education and research.
- To enhance capabilities of student's innovative ideas, leadership and teamwork through a verity of numerous initiatives in their curriculum.

Philadelphia University was established in 1989.

The university has significant location of buildings and green lanf on the new Jordan highway 20 km north of the capital Amman. PU has its own fleet of transportation that guarantee easy transportation from and to the university free of charges.

The university lies over a 327,000 m² area in one of the most amazing sites in Jordan.

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Philadelphia University



Engineering Faculty

Mechanical Engineering
Depratment

2022-2021

Study Plane

The study plane for mechanical engineering requires finishing 160 credit hour distributed over many courses as:-

- Compulsory University Requirements of (27) credit hour
- Faculty Requirements of (27) credit hour
- Department of mechanical engineering Compulsory Requirements of (97) credit hour
- Elective Requirements in Mechanical Engineering of (9) credit hour

The credit hours are divided in theoretical materials, practical laboratories and engineering training in a well established engineering facilities .

The mechanical department leave the choice for the student to chose his/her suitable specialization due providing him/her the basic theoretical and practical knowledge and elective courses that focus on the recent needs of the Engineering requirements .

Mechanical Engineering Labs

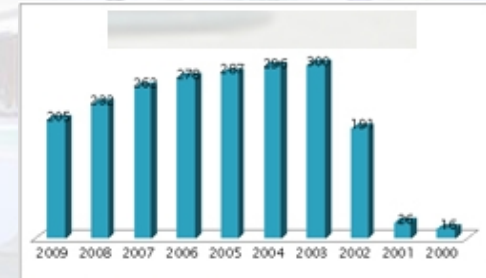
To complete the theoretical part of mechanical engineering study, the department provides all the workshops and scientific laboratories with upgraded machinery and software to elevate and improve the practical training of the students in his/her all studying levels.

These workshops and Labs are used to perform a multiple tasks for both students and the department staff in many fields such as training and scientific research

- Thermal Lab.
- Fluid Mechanics Lab .
- Internal combustion Lab.
- Engineering Measurements Lab
- Strength of Material lab .
- Mechanical vibration Lab
- Control systems Lab.
- Engineering workshops



Student numbers



Fields of mechanical engineering :

- Automotive Engineering
- Building Services
- Military Application
- System Design
- Aerodynamic Engineering
- HVAC
- Managing producing lines in factories
- CAD-CAM
- Industrial Engineering