



Faculty of Engineering

Mechatronics Engineering  
Department

2009

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## Mission

Welcome to the Mechatronics Engineering Department at Philadelphia University (PU) in Jordan.

PU is one of the mechatronics engineering pioneers in the middle east region.

The mechatronics program was initiated in year 2000 and accredited by the Ministry of Higher Education in Jordan by 2004.

The mechatronics faculty at Philadelphia includes well qualified professors with educational and industrial experiences from around the globe.



## Department labs

Mechatronics Department is provided with four amazing labs, those are:

- 1) Automation and control lab, it consist of:
    - a) Robotics
    - b) Computerized machine
    - c) Programmable logic controllers
    - d) Pneumatic and hydraulic systems
  - 2) Mechatronics lab, consist of:
    - a) Impact components
    - b) Microprocessors
  - 3) Sensors and measurements lab
  - 4) Power electronics and machine lab
  - 5) Programming for mechatronics lab
- As well as labs from the other college department such as electric, computer and mechanic labs.

## Studying plan

Mechatronics department study plan was established at 2000, the department accredited and approved by the higher education ministry on 2004. The studying plan improved by providing students with engineering skills beside teaching courses. This gives the student the ability to design and implement different mechatronics engineering systems.

The department plan gives courses four the following education fields:

- 1) Mechanics
- 2) Electric and electronics
- 3) Control and measurements
- 4) Computer

Joining the above four field all together help to build a compact mechatronics engineering systems.

## Improvement in number of student registered in the department

Because of the university administrator support provided to the mechatronics department and the increasing number of teaching staff, the number of student registered increased rapidly for the period 2002-2008 as shown in the table below.

Number of students	Academic year
39	2003 - 2002
60	2004 - 2003
62	2005 - 2004
168	2006 - 2005
197	2007 - 2006
197	2008 - 2007
208	2009 - 2008

