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Computer Engineering Department

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Quality Assurance

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Contact Information

Department of Computer Engineering
Philadelphia University
P.O.Box: 1
Amman, 19392
Jordan
Tel: ++ 962 2 6374444 x 2223

Important websites

Admission and Registration information

http://www.philadelphia.edu.jo/arabic/admission.asp

Department of Computer Engineering


Deanship of Student affairs

http://www.philadelphia.edu.jo/university/index.php?option=com_content&task=view&id=134&Itemid=144
History

Philadelphia University was established in 1989 as a private, accredited university in Jordan. The faculty of Engineering was established in 1991, and has graduated more than 400 engineers, who are working inside Jordan and abroad. The faculty of Engineering comprises the following departments:

- Computer Engineering
- Electrical Engineering
- Mechanical Engineering
- Communications and Electronics Engineering
- Mechatronics Engineering
- Architectural Engineering

The faculty of Engineering is housed in several buildings with a total area of 5400m², and has 28 specialized and highly equipped laboratories. The total number of engineering students is more than 1000 students.

Mission Statement

As a distinguished academic institution, Philadelphia University commits itself to becoming a full partner in the development of both Jordanian society and other societies at the regional and global levels. The role of science, technology, information and means of communication is becoming absolutely vital to the well-being of humanity. In the coming few years, this role is bound to become a decisive engine of growth. High-quality relevant education, supported by problem-oriented, inter-disciplinary and inter-institutional research, is the only means of leading any society to become an active and productive partner in human civilization.

The speed of globalization and the collapse of cultural and economic barriers require modern education, e-learning and interactive systems to be rooted in democratic interaction, human rights, complete freedom of thought and greater creativity by the younger sectors of society.

As the rapid development of knowledge, science and technology could widen the cultural divide between generations and society, modern approaches to education and lifelong interactive learning will be indispensable in alleviating the effects of this trend.

Carrying a revered name, with deep roots in history, of a major city of the Despoils on the King Road linking old civilizations, Philadelphia University is committed to moving forward, through the twin engines of quality and
modernity, along the information highway. It hopes to make a strong bond between knowledge, learning and modern civilization.

The keynote here is proper, fast-developing and morally charged education. Young men and women are the vehicle that launches societies into a future propelled by quality education to prosperity and innovation. Philadelphia University and its sister institutions will be instrumental in bringing this about.
Overview

The Computer Engineering Department at Philadelphia University has 125 students, which accounts for 13% of the total engineering students in the Faculty of Engineering. The department has 11 faculty members with unique experience in various areas of computer engineering, who graduated from globally ranked foreign institutions. The faculty to student ratio in the department is about 1:20, which will provide the students with more time to share with their respective faculty members to enhance the quality of learning. The department has 9 laboratories that are dedicated to exposing students to the latest technologies in the subjects taught. Each laboratory is supervised by a faculty member, and is run by an experienced engineer.

Mission

The Computer Engineering Department has put forward several goals and missions to enhance the quality of its graduates so that they would have difficulties dealing with the real world after their graduation. Its mission is to:

- Introduce the theoretical and practical aspects of computer engineering field.
- Enhance student ability to analyze and design both computer hardware and software systems.
- Teach students real-time and real world computer applications such as interfacing, control, monitoring, computer networks and software engineering.
- Enhance and motivate creative thinking and innovation.
- Expose students to the engineering ethics, and have them embrace such practices in real life.
- Implant the spirit of competition and lifelong process of learning in our students.
- Teach students how to lead in their own and global communities and to confront the challenges of the computers era without fear.

Facilities

Department Laboratories

The following laboratories are the corner stone of the department where students get exposed to the latest equipments used in the design, implementation and troubleshooting of modern digital and computer related hardware and software components in the industry.
Software (1) Laboratory

The experiments given in this laboratory are designed to improve the student skills in C & C++ programming languages as well as object oriented programming (OOP) methodology. The laboratory can serve 20 students, each on his/her own machine that is loaded with Microsoft Visual Studio Suite.

Software (2) Laboratory

This laboratory covers the concepts of object oriented programming (OOP) and data structures (DS) that will aid the students in solving multidisciplinary domain problems in engineering. Algorithm design is highly emphasized. A machine for each student is also provided to provide hands on experience.

Software (3) Laboratory

The laboratory is set for small project assignments that will expose the student the latest in technology and software usage. The students will get exposed to the design of various data bases through the use of the SQL language through the Oracle development environment and forms. Also, the students will use the internationally used software development suite from Rational Inc. for testing, verification and documentation purposes.

Logic Circuits Laboratory

This laboratory focuses on teaching the students the design and implementation of combinational and sequential logic circuits that are needed in almost all aspects and appliances of our daily lives. The students are taught how to design, implement and debug their simple logic designs to perform control logic functions. Logic circuit training kits as well as measurement instrumentation are used to aid the student in understanding the subject.

Microprocessors Laboratory

The laboratory focuses on helping the student understand the low level machine language and instruction sets of microprocessors. Writing in assembly language is used to design and implement simple experiments. The student will learn how to use Microsoft Assembler (MASM) language and debugging tools as well as special kits that will allow the student test the results of his machine language programs.

Computer Networks Laboratory

In the age of information technology and data transfer, it is vital that fresh graduate have hands on experience with current data networks. The Networks laboratory at the Computer Engineering Department at Philadelphia University is fully equipped with the latest instruments that expose our students to actual understanding of data network functionality, configuration and deployment. The students are exposed to network subnetting, HUB and Router installations and configuration, computer setups as well as cabling schemes.
Computer Design Laboratory

The Computer Engineering Department at Philadelphia University is proud to claim that it was the first university in JORDAN to have established a programmable logic laboratory for the design and implementation of embedded systems using field programmable logic arrays (FPGAs) and complex programmable logic devices (CPLDs) in its curricula and senior project designs. The boards used in this laboratory are the well known boards from Xilinx Inc. in the USA, and the students are exposed to this new technology and use it in their senior project designs. The students are taught VHDL and Verilog hardware description languages for the purpose of building embedded systems.

Two Open Laboratories

Students can access free internet services

Technology Incubators

“Economic and social development cannot be achieved in the absence of initiative and creativity, or in the presence of fear of change”

His Majesty King Abdullah II

The Jordan Innovation Center (JIC) at Philadelphia University is a new type of Business Incubators to be launched in Jordan to provide support and development of new innovative technical and business ideas. It supports innovative projects in any discipline provided that it has a potential for commercial use.

A Business Incubator provides “a unique and highly flexible combination of business development processes, infrastructure and people, designed to nurture and grow new and small businesses by supporting them through the early stages of development and change.” (UKBI)

Business Incubators are a powerful economic development tool used extensively in Europe and the USA with around 4000 in existence worldwide today. The JIC at Philadelphia University intends to replicate this success within the Jordanian economy.

The Computer Engineering Department at Philadelphia University has direct interactions with the Business Incubator at the university, where several senior project designs from the department have been supported and funded by the JIC.
Faculty Members

The Computer Engineering Department includes the following full time faculty members:

- **Dr. Kasim M. Al-Aubidy, Ph.D** (Professor)
  Specialty: Real-time computer systems, Fuzzy Logic applications, intelligent systems and control.
  Tel: 02 637444 x 2213
  Email: kma@philadelphia.edu.jo

- **Dr. Mohammed Mehdi Selman, Ph.D** (Assistant Professor)
  Specialty: Real-time computer control, intelligent control, Neural Networks.
  Tel: 02 637444 x 2128
  Email: m_selman@philadelphia.edu.jo

- **Dr. Lubna Badri Fahad, Ph.D** (Assistant Professor)
  Specialty: Microprocessors, Microcomputers, System Programming.
  Tel: 02 637444 x 2332
  Email: lbadri@philadelphia.edu.jo

- **Dr. Qadri Hamarsheh, Ph.D** (Assistant Professor)
  Specialty: Digital Signal Processing, Programming languages, Computer Networks.
  Tel: 02 637444 x 2492
  Email: qhamarsheh@philadelphia.edu.jo

- **Dr. Emad Farah Khalaf, Ph.D** (Assistant Professor)
  Specialty: Computer Networks, Digital Logic design.
  Tel: 02 637444 x 2598
  Email: ekhalaf@philadelphia.edu.jo

- **Dr. Ali Al-Khawaldah, Ph.D** (Assistant Professor)
  Specialty: Programming languages, Software design, Network Architecture.
  Tel: 02 637444 x 2599
  Email: aakhalaf@philadelphia.edu.jo

- **Dr. Mohammad Beni Younis, Ph.D** (Assistant Professor)
  Specialty: Embedded Systems, High speed digital design, VLSI, PLC's.
  Tel: 02 637444 x 2221
  Email: mby71@yahoo.com

- **Dr. Saleem Issa Al_zoubi, Ph.D** (Assistant Professor)
Specialty: Computer Networks and Soft Computing
Tel: 02 637444 x 2492
Email: saleemalzoubi@yahoo.com

- Eng. Salah Al-Din Badran, MSc. (Lecturer)
  Specialty: Source coding, Signal processing, Microprocessors.
  Tel: 02 637444 x 2450
  Email: sbadran@philadelphia.edu.jo

- Eng. Mohammed Ghowanem, MSc. (Lecturer)
  Specialty: Programming languages, Computer security, Software engineering.
  Tel: 02 637444 x 2450
  Email: mohammed@philadelphia.edu.jo

- Eng. Anis Al-Nazer, MSc. (Lecturer)
  Specialty: VLSI design and testing, Digital electronics.
  Tel: 02 637444 x 2149
  Email: anazer@philadelphia.edu.jo
Overview

Computer Engineering is one of the highly progressing disciplines that need to be up to date with state of the art technology. The courses offered by the Computer Engineering Department at Philadelphia University follow the highest standards and the outlines and text books used by top foreign universities. Our faculty members have a broad experience in all aspects of Computer Engineering, from hardware design, to microprocessor programming, to software development to embedded systems design and implementation.

The Computer Engineering curricula at Philadelphia University consist of 160 credit hours (CHs). Out of the 160 CHs, there are 24 CHs that are university requirements, 32 that are faculty requirements, and 104 that are department requirements. Each is divided into sub-requirements as shown in the tables that follow. Grades at Philadelphia University are given in percentages (out of 100). A student is supposed to pass the courses with an accumulative grade point average of 60% to graduate. A detailed grade description can be found at the admissions office website.

Computer Engineering Curricula 2008-2009

<table>
<thead>
<tr>
<th>First: University Requirements (27) Cr.H.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A- First Field: University Compulsory Requirements: (12) Cr.H.</td>
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<td></td>
</tr>
<tr>
<td>Course No.</td>
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<td>C.H.</td>
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<td>-------------</td>
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</tr>
<tr>
<td>110101</td>
<td>Arabic Language Skills (1)</td>
<td>3</td>
</tr>
<tr>
<td>111100</td>
<td>Military Science</td>
<td>3</td>
</tr>
<tr>
<td>111101</td>
<td>National Education</td>
<td>3</td>
</tr>
<tr>
<td>130101</td>
<td>English Language Skills (1)</td>
<td>3</td>
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<tr>
<td>B- University Elective Courses: From the 2nd, 3rd, 4th fields student should study one course as a minimum, two courses as a maximum that constitutes totally (15) Cr.H.</td>
<td></td>
<td></td>
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<tr>
<td>Course No.</td>
<td>Course Title</td>
<td>C.H.</td>
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<tr>
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<tr>
<td>110102</td>
<td>Arabic Language Skills (2)</td>
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<tr>
<td>130103</td>
<td>English Language skills (3)</td>
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<tr>
<td>140101</td>
<td>Foreign Language (French 1)</td>
<td>3</td>
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<tr>
<td>140104</td>
<td>Foreign Language (Italian 1)</td>
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<tr>
<td>140106</td>
<td>Foreign Language (Hebrew 1)</td>
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</tr>
<tr>
<td>C- Third Field: Social and Economic Sciences: (3-6) Cr.H.</td>
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<td>Course No.</td>
<td>Course Title</td>
<td>C.H.</td>
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<td>-------------</td>
<td>--------------</td>
<td>------</td>
</tr>
<tr>
<td>111111</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>111112</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>111133</td>
<td>Human Thought and Civilization(1)</td>
<td>3</td>
</tr>
<tr>
<td>111142</td>
<td>Mass Communication &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>115255</td>
<td>Development Culture</td>
<td>3</td>
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</table>
### Fourth Field: Technology, Agricultural and Health Sciences (3-6) Cr.H.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>C.H.</th>
<th>prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>910101</td>
<td>Health Promotion of Individual &amp; the Community</td>
<td>3</td>
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<tr>
<td>910105</td>
<td>Principles of First Aids</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>240151</td>
<td>Humans and Environment</td>
<td>3</td>
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<tr>
<td>620105</td>
<td>Automobile Fundamentals</td>
<td>3</td>
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<tr>
<td>750111</td>
<td>Computer Skills</td>
<td>2</td>
<td>750099</td>
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</tbody>
</table>

**Note:**

**Codes used in Study Plan:**

- (610) Electrical Eng.
- (620) Mechanical Eng.
- (630) Computer Eng.
- (640) Mechatronics Eng.
- (650) Communications & Electronics Eng.
- (660) Architectural Eng.

### Second: Faculty Requirements (29) Cr.H.

<table>
<thead>
<tr>
<th>Course No.</th>
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<td>130102</td>
<td>English Language Skills (2)</td>
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<td>130101</td>
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<tr>
<td>210101</td>
<td>Mathematics(1)</td>
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<tr>
<td>210106</td>
<td>Mathematics for engineering Students</td>
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<td>210101</td>
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<tr>
<td>211104</td>
<td>Applied Physics</td>
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<tr>
<td>610504</td>
<td>Entrepreneurship</td>
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<td>640306+120Cr.H</td>
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<td>620162</td>
<td>Engineering Workshop (1)</td>
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<td>620163</td>
<td>Engineering Workshop (2)</td>
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<tr>
<td>630202</td>
<td>Engineering Analysis (2)</td>
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<td>650201</td>
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<tr>
<td>630203</td>
<td>Programming Language</td>
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<tr>
<td>640306</td>
<td>Engineering Skills</td>
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<td>130102</td>
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<tr>
<td>650201</td>
<td>Engineering Analysis (1)</td>
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</table>

### Third: Department Requirements (104) Cr.H.

**A: Compulsory courses (95) Cr.H.**

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<th>prerequisite</th>
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<td>610214</td>
<td>Electrical Engineering</td>
<td>3</td>
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<tr>
<td>610219</td>
<td>Electrical Engineering Lab.</td>
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<tr>
<td>610383</td>
<td>Micro Machines</td>
<td>3</td>
<td>650241</td>
</tr>
<tr>
<td>610451</td>
<td>Control systems</td>
<td>3</td>
<td>640364</td>
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<tr>
<td>620121</td>
<td>Engineering Drawing</td>
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<tr>
<td>630204</td>
<td>Discrete Mathematics</td>
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<td>630261</td>
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<tr>
<td>630205</td>
<td>Object Oriented Programming</td>
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<tr>
<td>630206</td>
<td>Software (1) Lab.</td>
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<tr>
<td>630231</td>
<td>Data Structures &amp; Algorithms</td>
<td>3</td>
<td>630205</td>
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<tr>
<td>630232</td>
<td>Systems Programming &amp; Analysis</td>
<td>3</td>
<td>630203</td>
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<tr>
<td>630261</td>
<td>Logic Circuits</td>
<td>3</td>
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<tr>
<td>630266</td>
<td>Logic Circuits Lab.</td>
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<tr>
<td>630331</td>
<td>Database Systems</td>
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<tr>
<td>630336</td>
<td>Software (2) lab.</td>
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<tr>
<td>630342</td>
<td>Signal Analysis &amp; Processing</td>
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<td>630202</td>
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<tr>
<td>630351</td>
<td>Software Engineering (1)</td>
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<tr>
<td>630361</td>
<td>Computer Architecture</td>
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<td>630266</td>
</tr>
<tr>
<td>630362</td>
<td>Digital Techniques</td>
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<td>650227</td>
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<tr>
<td>630371</td>
<td>Microprocessors</td>
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<tr>
<td>630376</td>
<td>Microprocessors Lab.</td>
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<tr>
<td>630390</td>
<td>Engineering Project (1)</td>
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<tr>
<td>630441</td>
<td>Data Communication</td>
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</table>

**B: Elective courses (29) Cr.H.**

<table>
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<th>Course Title</th>
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<td>630442</td>
<td>Computer Networks</td>
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<tr>
<td>630446</td>
<td>Data Communication Lab</td>
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### B- Elective Courses in Computer Engineering (9) Cr.H.

Students chooses (9) Cr.H. from the following table

<table>
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<tbody>
<tr>
<td>630452</td>
<td>Intelligent Systems Design</td>
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<td>630204</td>
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<tr>
<td>630456</td>
<td>Software (3) Lab.</td>
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<tr>
<td>630462</td>
<td>Operating Systems</td>
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<tr>
<td>630470</td>
<td>Embedded Systems Design</td>
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<tr>
<td>630476</td>
<td>Computer Design Lab.</td>
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<td>630546</td>
<td>Computer Network Lab</td>
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<td>630442+630446</td>
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<td>630561</td>
<td>Advanced Computer Architecture</td>
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<td>630361</td>
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<td>630581</td>
<td>Real Time Systems</td>
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<td>630476+630470</td>
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<tr>
<td>630597</td>
<td>Engineering Project (2)</td>
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<td>630598</td>
<td>Engineering Project (3)</td>
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<td>630597</td>
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<tr>
<td>630499</td>
<td>Practical Training</td>
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<td>110 C.H.</td>
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<tr>
<td>640364</td>
<td>Sensors and actuators</td>
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<td>650222</td>
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<tr>
<td>640397</td>
<td>Reverse Engineering</td>
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<td>630390</td>
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<tr>
<td>650222</td>
<td>Electronic Engineering</td>
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<td>610214</td>
</tr>
<tr>
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<td>Electronic Engineering Lab.</td>
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<td>Electromagnetics (1)</td>
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<table>
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<td>S/W Engineering (2)</td>
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<td>630461</td>
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<td>630501</td>
<td>Advanced Programming Language</td>
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<td>630545</td>
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<td>630544</td>
<td>Network Design &amp; Management</td>
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<td>630442</td>
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<tr>
<td>630551</td>
<td>Neural Networks &amp; Fuzzy logic</td>
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<td>630452</td>
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<tr>
<td>630573</td>
<td>Modeling &amp; Simulation</td>
<td>3</td>
<td>630202</td>
</tr>
<tr>
<td>630574</td>
<td>Computer Security</td>
<td>3</td>
<td>630442</td>
</tr>
<tr>
<td>630593</td>
<td>Special Topics in Computer &amp; Software Engineering</td>
<td>3</td>
<td>Dept. Approval</td>
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</table>
Course Description

(210101) Engineering Mathematics I
General Introduction. Differentiation. Mean value theorem. Integration-
the fundamental theorem and applications. Techniques of integration.
Vector functions. Differentiation. Curves. Arc length. Applications in
mechanics.

(210106) Engineering Mathematics II
Infinite and power series, Conic Sections, Polar Coordinates, Vector
functions, Arc-Length, Applications in mechanics, Functions of several
variables, Partial differentiation, The Gradient, Directional derivatives,
Tangent lines, Tangent planes, The Normal line, Maxima and minima,
The Second partial test, Lagrange method, Multiple integrals (double
and triple). Line and surface integrals, Theorems of Green, Gauss and
Stokes.

(650201) Engineering Analysis I
Differential equations & mathematical modeling. First order differential
equations. Linear second & high order differential equations. Modeling of
Electrical and mechanical systems. Laplace Transform. Series solution of
differential equations. Initial value problem. Simple nonlinear Differential

(650202) Engineering Analysis II
Matrices, Determinants, Solution of Linear and nonlinear equations.
Direct and iterative solutions. Interpolation and curve fitting. Numerical
integration and differentiation. Numerical Solution of differential
equations. Fourier series and Fourier Transform.

(650203) Programming Language
C and C++ Programming Environment: Compiled language, program
creation, structure of programs, Problem solving techniques, Elements of
C++ programming language, Operands of C++, Expressions, Program
design process, Control structures, Looping, Functions, C++ stream
input/output, Structured types, Data abstraction and classes, Arrays,
Pointers, dynamic data and reference types, File processing, Templates.

(650204) Discrete Mathematics
Numbers & operations. Set theory. Data types: an introduction to
algebraic specification. Functions & their manipulation. Structures:
sequences, graphs, trees. Propositional logic, Predicate logic, Binary
relationships.

(650205) Object Oriented Programming
Introduction to OOP: structures, classes. Dynamic memory
management: pointers, arrays, structures. Classes & Abstracted Data
Types. Class Operators & Templates. Inheritance: Base classes &
derived classes, protected members, templates & inheritance.

(650206) Software Laboratory (1)
The experiments given in this lab. will improve the student skills in C & C++ programming.

(630231) Data Structures and Algorithms

(630232) System Programming & Analysis

(630261) Logic Circuits

(630266) Logic Circuits Lab.

(630331) Data Base

(630336) Software Laboratory (2)
This lab. covers the main concepts of data structures: Arrays, Records, Stacks, Queues and Lists Sorting and merging. Searching techniques. The principles of algorithms: Analysis, design, dynamic programming. Backtracking. Branch techniques. Also, tutorials to cover database systems.

(630351) Software Engineering I
(630361) Computer Architecture
Basic computer architecture and organization. Instruction set and addressing modes. Processor design. The execution unit and the control unit. Microprogramming memory hierarchy and organization. Input/output systems. Introduction to parallel processing.

(630371) Microprocessors

(630376) Microprocessors Laboratory
Familiarization with the microprocessor lab. Microprocessor instruction set and assembly language fundamentals. Writing, debugging, and executing various assembly language programs. Memory (RAM) interfacing. I/O interfacing.

(630451) Software Engineering II

(630452) Intelligent Systems Design

(630456) Software Laboratory (3)
Selected tutorials (as small projects) to cover the principles of software engineering: Analysis, design, verification, testing, software documentation and management.

(630461) Advanced Logic Circuits

(630462) Operating Systems
Importance, definition, and functions of an operating system. I/O programming. Interrupt structure and processing . Memory management: Partitioned, relocatable, paged, demand paged, segmented, segmented-and-paged. Processor management. Job and

(630442) Computer Networks

(630546) Computer Networks Laboratory
Several tutorials to cover the principles of operating systems and analysis tutorials to cover the design and implementation of computer networks.

(630470) Embedded Systems
It includes system requirements specifications, architectural and detailed design, and implementation, focusing on real-time applications. Learning the concepts will be enforced by a Project to design and develop an embedded system based on a single-chip microcontroller.

(630476) Computer Design Laboratory
Design and implementation of a single board microprocessor-based system comprising a CPU, PIA, VART, RAM, EPROM and PTM (Programmable Time) from a specific family such as MC 6809 using wire-wrapping technique; some basic experiments are done using this board such as its interfacing printer using PTM for frequency and time measurements. Square-wave generator.

(630501) Advanced Programming Language
This course will cover the features and applications of an advanced programming language, such as C# and JAVA. The course description will be decided by the department.

(630531) Advanced Database Systems

(630551) Neural Networks & Fuzzy Logic

(630561) Advanced Computer Architecture
An Advanced treatment of computer architecture covering new technological developments. Including detail to multiprocessor systems and specialized machines. Special emphasis will be developed to new concepts such as data flow machines. higher level language processors and associative processor.
(630544) Network Design & Management

(630545) Advanced Computer Networks

(630573) Modeling & Simulation

(630574) Computer Security

(630581) Real-Time Systems

(630597) Engineering Project II
The student should attach himself to one or more faculty members who assign him a project. He analyzes this project and suggests a method to carry out the project in the next stage.

(630598) Engineering Project III
Based on the results obtained from the first stage. The student carries out the project suggested by the department.
The definition of academic advising is based on the interaction between the engineering student and his/her advisor until the required courses within his/her curricula is taken.

The student has to know the following:

- Each student in the Faculty of Engineering is assigned an academic advisor by the department. The advisor is responsible for advising what courses are chosen for registration. This should be performed at the beginning of every semester.

- The student has to take the following points into consideration regarding the registration process:
  
  o Making sure that he/she passed the relevant prerequisite courses (refer to Computer Engineering Curricula)
  
  o Following the sequence of registration steps shown in the study plan, which are as follows:
    - University requirements: compulsory courses and electives.
    - Faculty requirements: compulsory and electives.
    - Specialty requirements.
  
  o Consulting the study plan during the registration process in respect of the number of credit hours a student can take per semester.
  
  o As the academic advising process is not compulsory, the student can register for classes without taking the advisor’s comments into consideration, but he/she will take full responsibility for this action and its consequences since this might delay his/her graduation.

- The student must understand that he/she has to register for a minimum of 12 credit hours and a maximum of 18 in regular semesters.

- The student has the right to withdraw (drop) from a course or more during a certain semester provided that he/she remains registered for at least 9 credit hours. This withdrawal (drop) must be approved by the course professor and the academic advisor. The withdrawal (drop) should take place during a specific period of time that is set by the Admission and Registration Department. There is a specific period within which the student can get a refund for the course fees, after this period the student will lose his/her right to get the refund.
- The student can add/drop courses only in accordance with the admission and registration office time table. The student is allowed to add/drop a limited number of courses as per the regulations set by the Admissions and Registration Department.
Philadelphia University was ranked the first leading all public and private universities in Jordan in the quality assurance measures set by of the Hussein Fund for Creativity and Excellence for the Faculties of Information Technology and Law. The university has set and demonstrated the highest quality assurance measures in teaching, management and research development that attracted the attention of domestic and foreign institutions.

In the Computer Engineering Department, the highest measures of quality assurance are being adopted to raise the level of teaching standards, and implement clear measures for teaching, advising, senior project organization, testing and course assessment. This is put in a feedback system that helps the department hear the comments from the students and allow them to evaluate both courses and instructors. This of course increases the level and quality of teaching as well as information delivery.

Both, the mission of the department and its objectives stress on the implementation of the highest quality measures and regulations to provide the best learning experience to our students. (See department mission in the Computer Engineering Department mission section)
Honors and Awards

Philadelphia University and the Computer Engineering Department promote and encourage students to excel in their studies through the introduction of various awards and honor lists that reflect the hard work of our students and encourage them to keep it up.

These awards are listed on the University Admission site (http://www.philadelphia.edu.jo/admission.asp). Also, an annual honor list is published and engraved on the entrance of the Faculty of Engineering that highlights the names of the honor students from each engineering discipline.