Table of Contents

Contact Information
Introduction
Electrical Engineering Department
Electrical Engineering Department faculty
Electrical Engineering curriculum
Student Advising
Quality Assurance
Honors and Awards
Contact Information

Department Contacts

Department of Electrical Engineering
Philadelphia University
P.O.Box: 1
Amman, 19392
Jordan
Tel: ++ 962 6 4799000 x 2458

Dr. Kasim Al-Aubidy, Dean
Tel: ++ 962 6 4799000 x 2330
kma@philadelphia.edu.jo

Dr. Mahmoud zeidan, Head of Department
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mzeidan@philadelphia.edu.jo

Dr. Audih Al-Faoury, Advisor
Tel: ++ 962 6 4799000 x 2…..
afaoury@philadelphia.edu.jo

Important websites

Admission and Registration information
http://www.philadelphia.edu.jo/content/view/193/219/
http://www.philadelphia.edu.jo/arabic/content/view/16/27/

Electrical Engineering Department
http://www.philadelphia.edu.jo/content/view/168/180/

Deanship of Student affairs
http://www.philadelphia.edu.jo/content/view/15/28/
History

Philadelphia University was established in 1989 as a private, accredited university in Amman, Jordan. The deanship of engineering was established in 1991, and until now, more than 800 engineers have graduated and are working inside Jordan and abroad. The faculty of Engineering includes the following departments:

- Electrical Engineering
- Computer Engineering
- Mechanical Engineering
- Communications and Electronics Engineering
- Mechatronics Engineering
- Architecture engineering
- Civil engineering

The faculty of engineering constitutes of several buildings with a total area of 5400m², and it includes 28 specialized and highly equipped laboratories. The total number of engineering students is about 1200 students.

Mission

As a distinguished academic institution, Philadelphia University commits itself to becoming a full partner in the development of Jordanian society in particular as well as other societies at the regional and global levels. The role of science, technology, information and communication is becoming ever more 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, as 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 hardcore systems to be rooted in democratic interaction, human rights, unfettered freedom of thought and greater creativity by the younger sectors of society.

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

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

The keyword is proper, fast-developing and morally charged education. Young men and women are the vehicle that propels societies into a future fuelled by education. Philadelphia and sister institutions can be instrumental in bringing this about.
Overview

The Electrical Engineering department at Philadelphia University has 195 students. The department has 6 faculty members with unique experience in various areas of Electrical engineering and who graduated from globally ranked foreign university. The faculty to student's ratio in the department is about 1:25. This is a ratio that will provide the students with more time to share with their respective faculty member to enhance the learning quality. The department has 5 laboratories that are dedicated to expose the 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 Electrical Engineering department has put forward several goals and missions so as to enhance the quality of its graduates. The graduate should be well prepared to faced and solve any problem they encounter in the real world and integrate easily in their new environment after graduation. The objectives of the department can be summarized in the following:

- To introduce the student to the theoretical and practical aspect of electrical engineering
- To enhance the students ability to think logically, analysis and design electrical engineering problems.
- To enhance and motivate the students to creative thinking and innovation.
- To expose the students to engineering ethical principles and its application in real life.
- To implant the spirit of competition and learning in life after graduation.
- To teach students leadership and team work.
Facilities

Department’s Laboratories

The following laboratories are the corner stone of the department were the students get exposed to the latest equipments used in the testing, design, implementation and troubleshooting in power systems.

Electric circuit Lab.


Instrumentation and Measurement Lab.


Electrical Machines


Automatic Control Lab.


Power System Lab.

Technology Incubators

“Economic and social development cannot be achieved in the absence of initiative and creativity, or in the presence of fear and 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 given that there is a potential commercial aspect out of it.

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

The Electrical Engineering department includes the following full time faculty members:

- Dr. Munther Numan Baker, Ph.D (Professor)
  Specialty: Electrical engineering, Control Engineering, electrical circuit.
  Tel: 02 637444 x 2332
  Email: munther_baker44@yahoo.co.uk

- Dr. Mohammed T. Lazim, Ph.D (Associate Professor)
  Specialty: Power electronics, Machine control, power system, electrical machine
  Tel: 02 637444 x 2589
  Email: drmohamadtofik@yahoo.co.uk

- Dr. Jiries alatrash, Ph.D (Associate Professor)
  Specialty: Electrical Power systems
  Tel: 02 637444 x 2490
  Email: jiriesb@yahoo.com

- Dr. Mahmoud zidan, Ph.D (Asistant Professor)
  Specialty: Electrical machine, drive systems, measurements
  Tel: 02 637444 x 2331
  Email: mzeidan@philadelphia.edu.jo

- Dr. Audih al-Faoury, Ph.D (Assistant Professor)
  Specialty: Power system, installation, transmission and distribution systems, electromagnetic, engineering fundamentals
  Tel: 02 637444 x 2...
  Email: afaoury@philadelphia.edu.jo

- Eng. Abdallah alomoush, MSc. (lecture)
  Specialty: Electronic engineering systems.
  Tel: 02 637444 x 2457
  Email: Alomoush@philadelphia.edu.jo
Overview

Electrical 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 Electrical 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 board experience in all aspects of Electrical engineering.

The Electrical engineering curricula at Philadelphia University consist of 160 credit hours (CH). Out of the 160 CH, there are 27 CH that are university requirements, 29 CH that are faculty requirements, and 104 CH 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.

Electrical Engineering Curricula

1 - University Requirements (24) CH

1-1 University Compulsory Requirements:

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
<th>Cr. H.</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>0110101</td>
<td>Arabic Skills (1)</td>
<td>3</td>
<td>110099</td>
</tr>
<tr>
<td>0111100</td>
<td>Military Science(*)</td>
<td>3</td>
<td>-----</td>
</tr>
<tr>
<td>9111101</td>
<td>National Education</td>
<td>3</td>
<td>-----</td>
</tr>
<tr>
<td>0130101</td>
<td>English Skills (1)</td>
<td>3</td>
<td>130099</td>
</tr>
</tbody>
</table>

(*) Compulsory for Jordanian Students
University Elective Requirements:
(3) CH for Jordanians
(9) CH for Non-Jordanians

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
<th>Cr. H.</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>0110102</td>
<td>Arabic Skills (2)</td>
<td>3</td>
<td>110101</td>
</tr>
<tr>
<td>9111111</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>9111112</td>
<td>Introduction to Psychology</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>9761111</td>
<td>Computer Skills</td>
<td>3</td>
<td>0761099</td>
</tr>
<tr>
<td>9910101</td>
<td>Health of Human and Community</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>9910105</td>
<td>principles of nursing and first aids</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>0115255</td>
<td>Development Culture</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>9111142</td>
<td>Means of Communication and Society</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>9240151</td>
<td>Human and Environment</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>0130103</td>
<td>English Skills (3)</td>
<td>3</td>
<td>0130102</td>
</tr>
<tr>
<td>9111133</td>
<td>Thought and human civilization(1)</td>
<td>3</td>
<td>---</td>
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<tr>
<td>0140101</td>
<td>French Skills (1)</td>
<td>3</td>
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<tr>
<td>0140104</td>
<td>Foreign Language (Italian)</td>
<td>3</td>
<td>---</td>
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<tr>
<td>0140106</td>
<td>Foreign Language (Hebrew)</td>
<td>3</td>
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<tr>
<td>9620105</td>
<td>Car Fundamentals</td>
<td>3</td>
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### 2 – Faculty Requirements (29) CH

2-1 Faculty Compulsory Requirements (26) CH:

<table>
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<tr>
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<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>0130102</td>
<td>English Skills (2)</td>
<td>3</td>
<td>0130101</td>
</tr>
<tr>
<td>0250101</td>
<td>Differentiation and Integration (1)</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>0250102</td>
<td>Differentiation and Integration (2)</td>
<td>3</td>
<td>0250101</td>
</tr>
<tr>
<td>0211104</td>
<td>Applied Physics</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>0620131</td>
<td>Engineering Drawing</td>
<td>3</td>
<td>---</td>
</tr>
<tr>
<td>0620171</td>
<td>Engineering Workshop (1)</td>
<td>1</td>
<td>0620131</td>
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<tr>
<td>0620172</td>
<td>Engineering Workshop (2)</td>
<td>1</td>
<td>0620171</td>
</tr>
<tr>
<td>0640253</td>
<td>Engineering Skills</td>
<td>3</td>
<td>0130102</td>
</tr>
<tr>
<td>0630263</td>
<td>Programming Language</td>
<td>3</td>
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</tr>
<tr>
<td>0610550</td>
<td>Entrepreneurship</td>
<td>3</td>
<td>0640253 + 120 Crh.</td>
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</table>

2-2 Faculty Elective Requirements (3) CH:

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<td>0212101</td>
<td>General Chemistry(1)</td>
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<tr>
<td>0610111</td>
<td>Fundamentals of Engineering</td>
<td>3</td>
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</tbody>
</table>

### 3 – Department of Electrical Engineering Requirements (104) CH

3-1 Specialist Compulsory Requirements (83) CH

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
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<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>610211</td>
<td>Electric Circuits (1)</td>
<td>3</td>
<td>21104</td>
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<tr>
<td>610212</td>
<td>Electric Circuits (2)</td>
<td>3</td>
<td>610211</td>
</tr>
<tr>
<td>610216</td>
<td>Electric Circuit Lab. (*)</td>
<td>1</td>
<td>610211</td>
</tr>
<tr>
<td>630211</td>
<td>Logic Circuits</td>
<td>3</td>
<td>630263</td>
</tr>
<tr>
<td>630212</td>
<td>Logic Circuits Lab. (*)</td>
<td>1</td>
<td>630211</td>
</tr>
<tr>
<td>610213</td>
<td>Electromagnetic (1)</td>
<td>3</td>
<td>650260 +650163</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Name</td>
<td>Credits</td>
<td>Co-requisite</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>650242</td>
<td>Electronics (1)</td>
<td>3</td>
<td>610211</td>
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<tr>
<td>630313</td>
<td>Microprocessors</td>
<td>3</td>
<td>630211</td>
</tr>
<tr>
<td>630314</td>
<td>Microprocessor Lab. (*)</td>
<td>1</td>
<td>630313</td>
</tr>
<tr>
<td>610314</td>
<td>Electrical Machines (1)</td>
<td>3</td>
<td>610213</td>
</tr>
<tr>
<td>610316</td>
<td>Electrical Machines (1) Lab. (*)</td>
<td>1</td>
<td>610314</td>
</tr>
<tr>
<td>650320</td>
<td>Systems And Signals</td>
<td>3</td>
<td>630262</td>
</tr>
<tr>
<td>610332</td>
<td>Instrumentation and Measurement</td>
<td>3</td>
<td>610342</td>
</tr>
<tr>
<td>610336</td>
<td>Instrumentation and Measurement Lab. (*)</td>
<td>1</td>
<td>610332</td>
</tr>
<tr>
<td>650342</td>
<td>Electronics (2)</td>
<td>3</td>
<td>610211 +650242</td>
</tr>
<tr>
<td>650343</td>
<td>Electronics Lab. (1) (*)</td>
<td>1</td>
<td>650342</td>
</tr>
<tr>
<td>650344</td>
<td>Digital Electronics</td>
<td></td>
<td>650242 +630211</td>
</tr>
<tr>
<td>610359</td>
<td>Engineering Project (1)</td>
<td>1</td>
<td>620172 +650242</td>
</tr>
<tr>
<td>610411</td>
<td>Power System (1)</td>
<td>3</td>
<td>610314</td>
</tr>
<tr>
<td>610412</td>
<td>Power System (2)</td>
<td>3</td>
<td>610411</td>
</tr>
<tr>
<td>610417</td>
<td>Power system lab. (*)</td>
<td>1</td>
<td>610411</td>
</tr>
<tr>
<td>650420</td>
<td>Communication circuit</td>
<td>3</td>
<td>650526</td>
</tr>
<tr>
<td>610414</td>
<td>Automatic Control</td>
<td>3</td>
<td>610332</td>
</tr>
<tr>
<td>610416</td>
<td>Automatic Control Lab. (*)</td>
<td>1</td>
<td>610414</td>
</tr>
<tr>
<td>630414</td>
<td>Embedded system</td>
<td>3</td>
<td>630313</td>
</tr>
<tr>
<td>650420</td>
<td>Analog communications</td>
<td>3</td>
<td>650364</td>
</tr>
<tr>
<td>650425</td>
<td>Digital communications</td>
<td>3</td>
<td>650420</td>
</tr>
<tr>
<td>650428</td>
<td>Communications Lab. (*)</td>
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<td>650420</td>
</tr>
<tr>
<td>640458</td>
<td>Reverse engineering</td>
<td>3</td>
<td>610359</td>
</tr>
<tr>
<td>610458</td>
<td>Engineering training</td>
<td>0</td>
<td>90 credit hrs</td>
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<tr>
<td>610459</td>
<td>Engineering Project (2) (**)</td>
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<td>120 credit hrs + 610359</td>
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<tr>
<td>610513</td>
<td>Power System Protection</td>
<td>3</td>
<td>610412</td>
</tr>
<tr>
<td>610514</td>
<td>Electrical Machines(2)</td>
<td>3</td>
<td>610314</td>
</tr>
<tr>
<td>Course No</td>
<td>Course Title</td>
<td>Cr. H.</td>
<td>Prerequisite</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------------</td>
<td>--------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>610517</td>
<td>Electrical Machines (2) Lab. (*)</td>
<td>1</td>
<td>610514</td>
</tr>
<tr>
<td>0650526</td>
<td>Communication circuit</td>
<td>3</td>
<td>0650420</td>
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<tr>
<td>650527</td>
<td>Communication transmission systems</td>
<td>3</td>
<td>650425</td>
</tr>
<tr>
<td>610530</td>
<td>Power Electronics</td>
<td>3</td>
<td>650342</td>
</tr>
<tr>
<td>610559</td>
<td>Engineering Project (3)</td>
<td>1</td>
<td>610459</td>
</tr>
</tbody>
</table>

(*): possibility of synchronous
(**): 8 continuous weeks after finishing 90 credit hours.

3-2 Back up Compulsory requirements (15) CH to be selected from the following list:

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
<th>Cr. H.</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>650163</td>
<td>Basis of engineering analysis</td>
<td>3</td>
<td>250102</td>
</tr>
<tr>
<td>650260</td>
<td>engineering analysis (1)</td>
<td>3</td>
<td>250102</td>
</tr>
<tr>
<td>630262</td>
<td>engineering analysis (2)</td>
<td>3</td>
<td>650260</td>
</tr>
<tr>
<td>620313</td>
<td>Thermo dynamic</td>
<td>3</td>
<td>250102</td>
</tr>
<tr>
<td>650364</td>
<td>Probability and random variables</td>
<td>3</td>
<td>650320</td>
</tr>
</tbody>
</table>

3-3 Specialist Elective Requirements (6) CH to be selected from the following list:

<table>
<thead>
<tr>
<th>Course No</th>
<th>Course Title</th>
<th>Cr. H.</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>610419</td>
<td>Electrical Installation</td>
<td>3</td>
<td>610411</td>
</tr>
<tr>
<td>610515</td>
<td>Power systems and distribution design</td>
<td>3</td>
<td>610411</td>
</tr>
<tr>
<td>610516</td>
<td>Special Topics in Electrical Eng.</td>
<td>3</td>
<td>Department agreement</td>
</tr>
<tr>
<td>610518</td>
<td>Motor control systems</td>
<td></td>
<td>610414</td>
</tr>
</tbody>
</table>
Course Description of electrical department study plan 2011

--------------------------------------------------------

Engineering Entrepreneurship (610550)

Basic Concepts of macro & micro economics, Economy architecture, production process, The effect of Science and Technology on production, The use of Science and Technology in production, Skills, Free business, Services and commodities production, Methods of project propagation, Marketing studies, Export, import and interior market consumption, Project forming, project requirements, economic appraisal studies, project financing, banking, companies, Cost studies, Project management, Marketing.

Electric circuits(I) (610211)


Electric circuits(II) (610212)


Electric circuit Lab. (610216)

DC circuits. KVL and KCL. Mesh and nodal circuits analysis. Network theorems transient analysis of RL. RC and RLC circuits. AC circuit analysis.

Reverse engineering (640458)

Basic concepts in reverse engineering, History of reverse engineering, Prescreening and Preparation for the four stage Process, Evaluation verification, Technical data generation, Design verification, Project implementation, Future Applications.
Electromagnetics (1) (610213)

Instrumentation and Measurement (610332)

Instrumentation and Measurement Lab. (610336)

Electrical Machines(I) (610314)

Engineering Project 1 (610359)
Theoretical investigation, practical implementation or both of a project under the supervision of a faculty member. Detailed report as well as oral examination are required.

Electrical Machines (I) Lab. (610316)

Electrical Machines (II) Lab. (610517)
Automatic Control (610414)


Automatic Control Lab. (610416)


Power System (I) (610411)


Power System (II) (610412)


Power System Lab. (610417)


High voltage Engineering (610413)


**Electrical Machines (II) (610514)**


**Drives Systems (610518)**


**Power Electronics (610530)**


**Transmission & Distribution Systems Design (610515)**


**Power system Protection (610513)**

Review. Electromechanical/solid state/computer relays, over current and earth fault protection. Current and voltage transformers: Steady sate and transient performance, electronic transformers. None-pilot protection of transmission line: R-X diagram, types of distance relays, 3-phase distance relays, protection of parallel lines, effect of

**Graduation Project (II) (610459)**

The student should attach himself to one or more faculty members who assign him a project. He analyses this project and suggests a method to carry out the project in the next stage.

**Graduation Project (III) (610599)**

Based on the results obtained from the first stage, the student carries out the project suggested by the department.

**Programmable Logic controllers (640573)**


**Special Topics in Electrical Engineering (610516)**

Up-to-date subjects in Electrical Engineering.

**Field Training**

A training period of (8) weeks, after (90) credit hours, to be spent in the industry (inside or outside Jordan) under the follow-up of an academic member from the department, periodical as well as a final reports and oral examinations are required.

1) **Courses offered by the Computer Engineering Department**

**Logic Circuits (630211)**

**Logic Circuits Lab. (630212)**


**Microprocessor (630313)**


**Microprocessor Lab. (630314)**


**Embedded Systems 630414**

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.

**Engineering Analysis II (630262)**


2) **Courses offered by the Telecommunications and electronics Engineering Department**

**Electronics (1) (650242)**

Semiconductor theory. PN junction. Diode circuits and applications. Bipolarjunction transistor characteristics. DC biasing and small signal analysis. Field effect transistor theory and applications.

**Electronics (2) (650342)**


**Electronics I Lab. (650343)**

Probability & Random Variables. (650364)
Set Definition, One Random Variable, Operations on One Random Variable, Multiple Random Variables, and Operation on Multiple Random Variables, Random Process, Spectral Analysis of Random Signals, and Linear Systems with Random Signal input

Engineering Analysis (1). (650260)
Basic Concepts and ideas, First Order Differential Equations. Second and higher order Differential Equations, Power Series Method, Laplace Transform

Basics Engineering Analysis . (650163)

Signal Analysis & Processing. (650320)

Digital Electronics(650344)
Digital signals and systems, semiconductor diodes and transistors, logic technologies and families, Interfacing, memory elements and types, programmable logic devices, A/D converter and D/A converter, visual displays.

Analog Communications. (650420)

Communication Transmission Systems. (650527)

Communication Circuits(650526)

Digital Communications. (650425)

21
Communication Lab. (650428)
Signal analysis, filters, AM and FM modulators and demodulators, oscillators, amplifiers, demodulators and filter circuits, signal analysis and modulated waves, and analysis using Fourier transform

Engineering drawing. (620131)
Instruments and their use, graphic geometry, lettering, orthographic and isometric drawing and sketching, sectional views, introduction to descriptive geometry, surface intersections and developments, and computer (ACAD

Student Advising

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 being registered.

The student has to know the following:

- Each student in the faculty of engineering has an assigned academic advisor that is chosen by the department. The advisor is responsible to give directions for the student while choosing courses for registration. This should be performed at the beginning of every semester.

- The student has to take the following points into consideration while in the registration process:
  
  o Making sure that he/she passed the prerequisite (refer to Electrical Engineering Curricula)
  o The registration should follow the sequence shown in the study plan, this should include:
    ▪ University requirements: compulsory and electives.
    ▪ Faculty requirements: compulsory and electives.
    ▪ Specialty requirements: compulsory and electives.
  o It is preferred that the student refers to the study plan during the registration process to take the suggested load of credit hours according to the semester and year specified.
  o The academic advising process is not compulsory, so the student can register for classes without taking the advisor comments into consideration, but the student will take full responsibility for this action as well as its consequences since this might delay his/her graduation.
- The student must understand that he has to register for at least 12 credit hours and at most of 18 credit hours in regular semesters.

- The student has the right to withdraw (Drop) from a course or more during a certain semester under the condition that he has to stay registered for at least 9 credit hours. This withdrawal (Drop) should be approved by the course professor as well as the academic advisor.

  The withdrawal (Drop) should take place in a specific period of time that is set by the admission and registration department. There is a defined period within which the student can get a refund for the course fees, after this time period the student will loose his right to get the refund.

- The student can Add/Drop courses according to the admission and registration office time table only. The student is allowed a limited number of Adds/Drops that is set by the admissions and registration department.

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**Quality Assurance**

Philadelphia University has got the first ranking leading all public and private universities in Jordan in the quality assurance 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 have attracted the attention of domestic and foreign institutions.

In the Electrical 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 the course and the instructor of each course they attend in the department. This of course increases the level and quality of teaching and information delivery.

The mission of the department and its objectives stresses on the implementation of the highest quality measures and regulations to provide the best learning experience to our students. *(See department mission in Electrical Engineering Department mission section)*

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**Honors and Awards**
Philadelphia University as well as the Electrical Engineering Department promotes and encourages students to excel in their studies through the introduction of various awards and honor lists that reflect the hard work that our students and encourages them to keep up the good work.

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 Deanship of Engineering that highlights the names of the honor students from each engineering discipline.