

## LEBANESE INTERNATIONAL UNIVERSITY- SCHOOL OF ENGINEERING

*Graduation requirements: Completion of a minimum of 108 credit-hours as tabulated below*

### First Year-Sophomore (37 Credits)

#### Fall Semester (18 Credits-Hours)

Course Code	Course Title	Crs.	Prerequisites	Corequisites
CHEM200	General Chemistry	3	CHEM160	
ENGL201	Composition and Research Skills	3	ENGL151	
MATH210	Calculus II	3	MATH160	
MATH225	Linear Algebra with Applications	3	MATH160	
MENG225	Engineering Drawing & CAD	3		
PHYS220	Physics for Engineers	3	PHYS160	MATH210

#### Spring Semester (19 Credit-Hours)

Course Code	Course Title	Crs.	Prerequisites	Corequisites
MATH220	Calculus III	3	MATH210	
CSCI250	Introduction to Programming	3		MATH225, MATH210, CSCI250L
CSCI250L	Introduction to Programming Lab	1		CSCI250

EENG250	Electric Circuits I	3		PHYS220, MATH210
ENGL251	Communication Skills	3	ENGL201	
MATH270	Ordinary Differential Equations	3	MATH210	MATH220, MATH225
MENG250	Mechanics I (Statics)	3		PHYS220, MATH210
<b>Second Year-Junior (37 Credits)</b>				
<b>Fall Semester (20 Credit-Hours)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Crs.</b>	<b>Prerequisites</b>	<b>Corequisites</b>
EENG300	Electric Circuits II	3	EENG250	EENG301L
EENG301L	Electric Circuits Lab	1	EENG250	EENG300
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH220, ENGL201	
IENG300	Engineering Project Management	3		ENGL251
MENG300	Mechanics II (Dynamics)	3	MENG250	MATH220
MENG310	Engineering Material Science	3	MENG250	CHEM200
MENG320	Engineering Thermodynamics I	3		CHEM200, MENG320L

MENG320L	Engineering Thermodynamics I Lab	1		CHEM200, MENG320
<b>Spring Semester (17 Credit-Hours)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Crs.</b>	<b>Prerequisites</b>	<b>Corequisites</b>
MATH375	Numerical Methods for Scientists & Engineers	3	MATH270, CSCI250, MATH225	
MATH360	Advanced Engineering Mathematics	3	MATH270, MATH225	
MENG350	Mechanics III (Dynamics)	3	MENG300	
MENG360	Mechanics of Materials I	3	MENG310	MENG360L
MENG360L	Mechanics of Materials I Lab	1	MENG310	MENG360
MENG370	Fluid Mechanics I	3	MENG300	MENG370L
MENG370L	Fluid Mechanics I Lab	1	MENG300	MENG370
<b>Third Year-Senior (34 Credits)</b>				
<b>Fall Semester (17 Credit-Hours)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Crs.</b>	<b>Prerequisites</b>	<b>Corequisites</b>
MENG410	Mechanics of Materials II	3	MENG360	
MENG420	Heat Transfer	3	MENG320	MENG420L
MENG420L	Heat Transfer Lab	1	MENG320	MENG420

MENG430	Mechanical vibrations I	3	MENG350, MATH360	MENG430L
MENG430L	Mechanical vibrations I Lab	1	MENG350, MATH360	MENG430
EENG435	Control Systems	3	EENG300, EENG385, MATH270	EENG435L
ARAB200	Arabic Language & Literature	3		
<b>Spring Semester (17 Credit-Hours)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Crs.</b>	<b>Prerequisites</b>	<b>Corequisites</b>
CULT200	Introduction to Arabic & Islamic Civilization	3	ENGL151	
EENG492	Electric Machines for Mechanical Engineers	3	EENG300	EENG492L MENG430
EENG492L	Electric Machines for Mechanical Engineers Lab	1	EENG300	EENG492
MENG450	Mechanical Systems I	3	MENG350	MENG450L
MENG450L	Mechanical Systems I Lab	1	MENG350	MENG450
MENG470	Internal Combustion Engine	3	MENG420	
MENG495	Senior Project	3		MENG430