



**LEBANESE  
INTERNATIONAL  
UNIVERSITY**

**Major Title:** Communication Engineering  
**Major Code:** TENG  
**Level:** underGraduate  
**Number Of Credits:** 108  
**Date:** 18-05-2017

**Communication Engineering (TENG)**

**First Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
PHYS220	Physics for Engineers	3	ENGL101-PHYS160	MATH210
MENG225	Engineering Drawing & CAD	3		
ENGL201	Composition and Research Skills	3	ENGL151	
MATH225	Linear Algebra with Applications	3	MATH160	
MATH210	Calculus II	3	MATH160	
<b>Total</b>		<b>18</b>		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
ENGL251	Communication Skills	3	ENGL201	
MENG250	Mechanics I (Statics)	3	ENGL051	MATH210
EENG250	Electric Circuits I	3	ENGL051	MATH210
CSCI250	Introduction to Programming	3		ENGL101-CSCI250L
CSCI250L	Introduction to Programming Lab	1	ENGL101	CSCI250
MATH220	Calculus III	3	MATH210	
MATH270	Ordinary Differential Equations	3	MATH210	MATH225
<b>Total</b>		<b>19</b>		

**Second Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	
EENG300	Electric Circuits II	3	EENG250	EENG301L
CENG300	Fundamentals of Digital Logic Design	3	EENG250-ENGL051-ENGL101	
CENG310L	Software Applications and Design Lab	1		CSCI300
IENG300	Engineering Project Management	3	ENGL201	
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
ARAB200	Arabic Language and Literature	3		
EENG301L	Electric Circuits Lab	1	EENG250	EENG300
<b>Total</b>		<b>20</b>		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
CENG355	Advanced Digital Logic Design	3	EENG250-CSCI250-CENG300	CENG352L
EENG350	Electronic Circuits I	3	EENG250	EENG350L
CENG375	Introduction to Database Systems	3	CENG310L-CSCI300	
CENG352L	Digital Logic Circuits Lab	1	EENG301L-CENG300	
CENG380	Microprocessors and Microcontrollers	3	EENG250-CSCI250-CENG300	CENG352L
EENG350L	Electronic Circuits I Lab	1	EENG301L	EENG350
EENG385	Signals and Systems	3	MATH225-EENG300	MATH270

		Total	17		
<b>Third Year</b>					
<b>Fall Semester</b>					
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Corequisites</b>	
CENG400	Computer Organization and Design	3	CENG355-CENG380		
CENG415	Communication Networks	3	CSCI250-CSCI300		
	General Education Electives	3			
CENG400L	Microcontroller Applications Lab	1	CENG380		
CENG435	Mobile Application Development	3	CSCI300-CENG375		
EENG447	Analog Communication Systems	3	MATH310-EENG385	EENG467L	
EENG467L	Analog Communication Systems Lab	1		EENG447	
CENG420	Web Programming and Technologies	3	CSCI300-CENG375		
		Total	20		
<b>Spring Semester</b>					
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Corequisites</b>	
CENG455L	Communication Networks Lab	1	CENG415		
CULT200	Introduction to Arab - Islamic Civilization	3			
CENG495	Senior Project	3	IENG300-EENG447-CENG435-CENG415-CENG380-CENG375		
	Major Elective	3			
EENG388	Electromagnetic Fields and Waves	3	PHYS220-MATH220-EENG300		
CENG460L	Linux Lab	1	CENG415-CSCI300		
		Total	14		
<b>Major Elective Courses</b>					
<b>Code</b>	<b>Title</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Corequisites</b>	
CENG460	Operating Systems	3			
CENG480	Introduction to GIS	3	ENGL101-PHYS160	MATH210	