

The Hashemite University
Faculty of Engineering
Study Plan for the Degree of Bachelor of Science in
Computer Engineering (CPE) 2021

First Year

First Semester

Course #	Course Title	C.H
110108101	Calculus (1)	3
110102103	General Physics Lab	1
110103107	Basics of General Chemistry	3
110102101	General Physics (1)	3
111405101	Arabic Language	3
111405110	English Language	3
Total		16

Second Semester

Course #	Course Title	C.H
110101102	Calculus (2)	3
110103108	Basics of General Chemistry Lab	1
110400201	Manual Engineering Drawing	2
110400101	Engineering Workshop	1
110400102	Computer Programming	3
110102102	General Physics (2)	3
111404117	Military Science	3
Total		16

Second Year

First Semester

Course #	Course Title	C.H
110101152	Discrete Math	3
110408220	Digital Logic	3
110101203	Ordinary Diff. Equations (1)	3
110406229	Electrical Circuits Fundamentals	3
1704001303	Numerical Analysis	3
110400202	Computer Aided Engineering Drawing	1
2104081314	Computer Applications Lab	1
Total		17

Second Semester

Course #	Course Title	C.H
110408213	Data Structure	3
110408221	Digital Logic Lab	1
110101201	Calculus (3)	3
110409260	Fundamentals of Elect. Circuit Lab	1
110409240	Electronics (1)	3
110403242	Probability and Statistics	3
111404118	National Culture	3
Total		17

Third Year

First Semester

Course #	Course Title	C.H
110408332	Assembly language and Microprocessors	3
2104091322	Signals and Systems	3
110408327	Digital Electronics and Integrated Circuits	3
110408362	Embedded Systems	3
2104091352	Electronic circuits Lab	1
110408300	Algorithms	3
Total		16

Second Semester

Course #	Course Title	C.H
2104081333	Microprocessors Lab	1
2104031302	Engineering Economics	2
110408326	Digital Integrated Circuits and Embedded Systems Lab	1
2104081311	Object Oriented Programming	3
110408340	Computer Organization	3
110408303	Fundamentals of Communications	3
110405331	Automatic Control	3
Total		16

Fourth Year

First Semester

Course #	Course Title	C.H
-	University Elective	3
2104081443	Computer Architecture	3
111002240	Introduction to Database	3
110408455	Operating Systems	3
110408450	Computer Networks	3
110418442	Computer Maintenance Lab	1
Total		16

Second Semester

Course #	Course Title	C.H
110408457	Wireless Networks	3
110408454	Computer Networking Lab	1
110408456	Computer Security	3
2104081374	Artificial Intelligence and Machine Learning	3
110400203	Ethics and Communication Skills	3
-	University Elective	3
Total		16

Summer Semester

Course #	Course Title	C.H
2004081480	Practical Training	3
Total		3

Fifth Year

First Semester

Course #	Course Title	C.H
110408591	Graduation Project (1)	1
-	University Elective	3
-	Elective(CPE)	3
-	Elective(CPE)	3
-	Elective(CPE)	3
Total		13

Second Semester

Course #	Course Title	C.H
110408592	Graduation Project (2)	2
2104081410	Systems and Data Science	3
-	University Elective	3
-	Elective(CPE)	3
-	Elective(CPE)	3
Total		14