

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

A/A	Course type	Course title	Course code	Periods per week	Period duration	weeks per Semester	periods per Semester	Number of ECTS
<b>A' Semester</b>								
1.	<b>Required</b>	Introduction to Programming	<b>CSEN 101</b>	2	90 mins	13	26	6
2.	<b>Required</b>	Introduction to Computer Science and Engineering	<b>CSEN 100</b>	2	90 mins	13	26	6
3.	<b>Required</b>	Calculus III	<b>MATH 100</b>	2	90 mins	13	39	6
4.	<b>GE Elective</b>	Academic English	<b>ENGL 100</b>	2	90 mins	13	39	6
5.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
<b>B' Semester</b>								
6.	<b>Required</b>	Discrete Math	<b>CSEN 111</b>	2	90 mins	13	39	6
7.	<b>Required</b>	Programming Laboratory	<b>CSEN 112L</b>	2	90 mins	13	26	3
8.	<b>Required</b>	Elementary Linear Algebra with Applications	<b>MATH 201</b>	2	90 mins	13	39	6
9.	<b>GE Elective</b>	Advanced Academic English	<b>ENGL 101</b>	2	90 mins	13	39	6
10.	<b>GE Elective</b>	Ethics	<b>PHIL 130</b>	2	90 mins	13	39	6
11.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6

C' Semester								
12.	<b>Required</b>	Object Oriented Programming	<b>CSEN 201</b>	2	90 mins	13	39	6
13.	<b>Required</b>	Digital Systems Design	<b>CSEN 203</b>	2	90 mins	13	39	6
14.	<b>Required</b>	Introduction to Probability and Random Variables	<b>STAT 101</b>	2	90 mins	13	39	6
15.	<b>Required</b>	Digital Systems Design Laboratory	<b>CSEN 203L</b>	2	90 mins	13	26	3
16.	<b>GE Elective</b>	Electricity and Magnetism	<b>PHYS 104</b>	2	90 mins	13	39	6
17.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
D' Semester								
18.	<b>Required</b>	Algorithms and Data Structures	<b>CSEN 214</b>	2	90 mins	13	39	6
19.	<b>Required</b>	Computer Organization and Design	<b>CSEN 221</b>	2	90 mins	13	39	6
20.	<b>GE Elective</b>	Introductory Physics II	<b>PHYS 100</b>	2	90 mins	13	39	6
21.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
22.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
E' Semester								
23.	<b>Required</b>	Operating Systems	<b>CSEN 301</b>	2	90 mins	13	39	6
24.	<b>Required</b>	Theory of Computation	<b>CSEN 302</b>	2	90 mins	13	26	6

25.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	26	6
26.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	26	6
27.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
<b>F' Semester</b>								
28.	<b>Required</b>	Computer Networks	<b>CSEN 311</b>	2	90 mins	13	39	6
29.	<b>Elective</b>	Database Systems	<b>CSEN 312</b>	2	90 mins	13	26	6
30.	<b>Required</b>	Software Engineering	<b>CSEN 313</b>	2	90 mins	13	26	6
31.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	26	6
32.	<b>GE Elective</b>	General Education Elective		2	90 mins	13	39	6
<b>G' Semester</b>								
33.	<b>Required</b>	Internship	<b>CSEN 490</b>	-	-	-	-	6
34.	<b>Required</b>	Artificial Intelligence	<b>CSEN 401</b>	2	90 mins	13	26	6
35.	<b>Elective</b>	Major Elective		2	90 mins	13	26	6
36.	<b>Elective</b>	Major Elective		2	90 mins	13	26	6
37.	<b>Elective</b>	General/Technical Elective		2	90 mins	13	26	6
<b>H' Semester</b>								
38.	<b>Required</b>	Capstone Project/Thesis	<b>CSEN 499</b>	2	90 mins	13	26	6
39.	<b>Elective</b>	Major Elective		2	90 mins	13	26	6

