

## Bachelor of Science in Computer Engineering

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
<b>A' Semester</b>								
1.	Required	Programming Principles I	COMP-111	4	50'	13	52	6
2.	Required	Software Development Lab I	COMP-112	3	50'	13	39	4
3.	Required	Digital Systems	ECE-110	4	50'	13	52	6
4.	Required	General Physics I	PHYS-150	5	50'	13	65	8
5.	Required	Calculus I	MATH-195	4	50'	13	52	6
<b>B' Semester</b>								
1.	Required	English Composition	ENGL-101	3	50'	13	39	6
2.	Required	Electric Circuits I	ECE-100	3	50'	13	39	6
3.	Required	Electric Circuits I Lab	ECE-101	3	50'	13	39	2
4.	Required	Programming Principles II	COMP-113	4	50'	13	52	6
5.	Required	Software Development Lab II	COMP-114	3	50'	13	39	4
6.	Required	Calculus II	MATH-196	4	50'	13	52	6
<b>C' Semester</b>								
1.	Required	Electric Circuits II	ECE-102	4	50'	13	52	6

2.	Required	Electric Circuits II Lab	ECE-103	3	50'	13	39	2
3.	Required	Digital Systems Lab	ECE-111	3	50'	13	39	2
4.	Required	Electronics I	ECE-210	3	50'	13	39	6
5.	Required	Electronics I Lab	ECE-211	3	50'	13	39	2
6.	Required	Data Structures	COMP-211	3	50'	13	39	6
7.	Required	Discrete Mathematics	MATH-101	3	50'	13	39	6
<b>D' Semester</b>								
1.	Required	Electronics II	ECE-212	4	50'	13	52	6
2.	Required	Electronics II Lab	ECE-213	3	50'	13	39	2
3.	Required	Microprocessors	ECE-220	4	50'	13	52	6
4.	Required	Microprocessors Lab	ECE-221	3	50'	13	39	2
5.	Required	General Physics II	PHYS-160	5	50'	13	65	8
6.	Required	Linear Algebra I	MATH-280	3	50'	13	39	6
<b>E' Semester</b>								
1.	Required	Computer Organization	ECE-322	3	50'	13	39	6
2.	Required	Signals and Systems I	ECE-331	4	50'	13	52	6
3.	Required	Numerical Methods Using MATLAB	ENGR-290	3	50'	13	39	6
4.	Required	Digital Integrated Circuits	ECE-310	3	50'	13	39	6
5.	Elective	Computer Engineering Elective	ECE-XXX	3	50'	13	39	6
<b>F' Semester</b>								
1.	Required	Systems Analysis and Design	COMP-201	3	50'	13	39	6
2.	Required	Operating Systems	COMP-354	3	50'	13	39	6

3.	Required	Data Communication and Computer Networks	ECE-324	3	50'	13	39	6
4.	Required	Probability and Random Signals	ECE-332	3	50'	13	39	6
5.	Elective	Computer Engineering Elective	ECE-XXX	3	50'	13	39	6
<b>G' Semester</b>								
1.	Required	Technical Writing and Research	BADM-332	3	50'	13	39	6
2.	Required	Senior Year Project	ECE-492	1	50'	13	39	6
3.	Elective	Business Elective	XXX-XXX	3	50'	13	39	6
4.	Elective	Engineering/Science/Business Elective	XXX-XXX	3	50'	13	39	6
5.	Elective	Computer Engineering Elective	ECE-XXX	3	50'	13	39	6
<b>H' Semester</b>								
1.	Required	Solid-State Electronic Devices	ECE-305	3	50'	13	39	6
2.	Required	Computer Architecture	ECE-421	3	50'	13	39	6
3.	Elective	Computer Engineering Elective	ECE-XXX	3	50'	13	39	6
4.	Elective	Computer Engineering Elective	ECE-XXX	3	50'	13	39	6
5.	Elective	Liberal Arts Elective	XXX-XXX	3	50'	13	39	6