

Sem 1			Sem 2		
	Code	Credits		Code	Credits
Calculus 1	MA101	1	Vector Calculus	MA121	1
Calculus 2	MA102	2	Elementary Linear Algebra	MA122	1
Introduction to Programming	ID110	3	Differential Equations	MA123	1
Digital Fabrication	ID120	2	Introduction to Life Sciences (BO)	BO101	1
Digital Logic Design	ID130	1	Introduction to Hardware Description Languages	EE121	2
Digital System Design	ID131	1	Discrete Structures	CS121	3
Introduction to AI	ID141	1	Introduction to Data Structures	CS122	3
Introduction to Computer Science	CS101	2	Independent Project	ID151	1
LA/CA Electives	LAxxx	2	Professional Communication Skills	ID161	2
Total		15	Total		15
Sem 3			Sem 4		
	Code	Credits		Code	Credits
Introduction to Probability	MA201	1	Theory of Computation	CS251	3
Data Structures	CS201	3	Operating Systems 2	CS221	3
Operating Systems 1	CS220	1	Compilers & Programming Languages	CS232	3
Design and Analysis of Algorithms	CS202	3	DBMS	CS261	3
Software Engineering	CS210	3	Engineering Elective	XXxxx	3
Principles of Programming Languages	CS231	1	LA Elective	LAxxx	1
Computer Architecture	CS241	3			
LA Electives	LAxxx	1			
Total		16	Total		16
Sem 5			Sem 6		
	Code	Credits		Code	Credits
Computer Networks	CS301	4	Mini Project 1	CS391	3
Foundations of Machine Learning	CS311	3	CS Elective 2	CSxxx	3
CS Elective 1	CSxxx	3	CS Elective 3	CSxxx	3
LA/CA	LAxxx	1	CS Elective 4	CSxxx	3
Personality Development	ID162	2	Free Elective 2	XXxxx	3
Free Elective 1	XXxxx	3	Science Elective	XXxxx	1
Total		16	Total		16

Sem 7	Code	Credits	Sem 8	Code	Credits
CS Elective 5	CSxxx	3	CS Electives/Major Project	CS499	9
CS Elective 6	CSxxx	3	Free Electives	XXxxx	3
Mini Project 2	CS491	3			
Free Elective 3	XXxxx	3			
Prof Ethics	ID163	2			
			Total		12
Total		14			
Basic Sciences		9			
Basic Engg		23			
Dept Core		32			
Dept Electives		18			
Free Electives		12			
Life Skills		6			
LA/CA		5			
Project		15			
Total		120			