

I Semester B. E. (Common to all Branches)
Physics cycle

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	Theory (SEE)			Practical (SEE)	
					CIE Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
18UMAC100	BS	Engineering Mathematics-I	3-2-0	4	50	100	3	-	-
18UPHC100	BS	Engineering Physics	3-2-0	4	50	100	3	-	-
18UEEC100	ES	Basic Electrical Engineering	3-0-0	3	50	100	3	-	-
18UCVC100	ES	Engineering Mechanics	2-2-0	3	50	100	3	-	-
18UMEC100	ES	Elements of Mechanical Engineering	2-0-0	2	50	50	2	-	-
18UPHL100	BS	Engineering Physics Lab	0-0-2	1	50	--	--	50	3
18UESL100	ES	Basic Engineering Skills Lab	0-0-2	1	50	--	--	50	3
18UHUC100	HU	Kannada	2-0-0	1	50	50	2	-	-
18UHUA100	HU	Constitution of India & Professional Ethics	2-0-0	Audit	100	--	--	-	-
Total			17-6-4	19	500	500		100	

BS- Basic Science, ES- Engg. Science, HU-Humanities & Mandatory Learning courses

Chemistry cycle

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	Theory (SEE)			Practical (SEE)	
					CIE Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
18UMAC200	BS	Engineering Mathematics-II	3-2-0	4	50	100	3	-	-
18UCYC200	BS	Engineering Chemistry	3-2-0	4	50	100	3	-	-
18UECC200	ES	Basic Electronics	3-0-0	3	50	100	3	-	-
18UCSC200	ES	Problem Solving & Programming in C	3-2-0	4	50	100	3	-	-
18UMGC200	ES	Engineering Graphics	2-0-2	3	50	100	3	-	-
18UCYL200	BS	Engineering Chemistry Lab	0-0-2	1	50	--	--	50	3
18UCSL200	ES	Problem Solving & Programming in C Lab	0-0-2	1	50	--	--	50	3
18UHUC201	HU	Functional English	2-0-0	1	50	50	2	-	-
18UHUA202	HU	Environmental Science	2-0-0	Audit	100	--	--	-	-
Total			18-6-6	21	500	550		100	

CIE: Continuous Internal Evaluation SEE: Semester End Examination

L: Lecture T: Tutorials P: Practical

*SEE for theory courses is conducted for 100 marks and reduced to 50 marks.

Total number of credits offered for the First year: 40

II Semester
Physics cycle

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
18UMAC200	BS	Engineering Mathematics-II	3-2-0	4	50	100	3	-	-
18UPHC200	BS	Engineering Physics	3-2-0	4	50	100	3	-	-
18UEEC200	ES	Basic Electrical Engineering	3-0-0	3	50	100	3	-	-
18UCYC200	ES	Engineering Mechanics	2-2-0	3	50	100	3	-	-
18UMEC200	ES	Elements of Mechanical Engineering	2-0-0	2	50	50	2	-	-
18UPHL200	BS	Engineering Physics Lab	0-0-2	1	50	--	--	50	3
18UESL200	ES	Basic Engineering Skills Lab	0-0-2	1	50	--	--	50	3
18UHUC200	HU	Kannada	2-0-0	1	50	50	2	-	-
18UHUA200	HU	Constitution of India & Professional Ethics	2-0-0	Audit	100	--	--	--	--
Total			17-6-4	19	500	500		100	

Chemistry cycle

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
18UMAC100	BS	Engineering Mathematics-I	3-2-0	4	50	100	3	--	--
18UCYC100	BS	Engineering Chemistry	3-2-0	4	50	100	3	--	--
18UECC100	ES	Basic Electronics	3-0-0	3	50	100	3	--	--
18UCSC100	ES	Problem Solving & Programming in C	3-2-0	4	50	100	3	--	--
18UMGC100	ES	Engineering Graphics	2-0-2	3	50	100	3	--	--
18UCYL100	BS	Engineering Chemistry Lab	0-0-2	1	50	--	--	50	3
18UCSL100	ES	Problem Solving & Programming in C Lab	0-0-2	1	50	--	--	50	3
18UHUC101	HU	Functional English	2-0-0	1	50	50	2	--	--
18UHUA102	HU	Environmental Science	2-0-0	Audit	100	--	--	--	--
Total			18-6-6	21	500	550		100	

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination
L: Lecture **T:** Tutorials **P:** Practical

*SEE for theory courses is conducted for 100 marks and reduced to 50 marks.

**Design and Scheme of Curricula
Credits break up and distribution
III Semester ECE**

Course Code	Course Category	Course Title	Teaching		Examination				
			L:T:P (Hrs/Week)	Credits	CIE Max. Marks	Theory (SEE) Max. Marks	Duration In Hrs.	Practical (SEE) Max. Marks	Duration In Hrs.
18UMAC300	BS	Engineering Mathematics-III	3 - 0 - 0	3	50	100	3	-	-
18UECC300	PC	Electromagnetic Theory	3 - 2 - 0	4	50	100	3	-	-
18UECC301	PC	Digital Circuit Design	3 - 0 - 0	3	50	100	3	-	-
18UECC302	PC	Network Analysis	3 - 2 - 0	4	50	100	3	-	-
18UECC303	PC	Analog Electronic Devices and Circuits	4 - 0 - 0	4	50	100	3	-	-
18UECC304	PC	Signals & Systems	3 - 0 - 0	3	50	100	3	-	-
18UECL305	PC	Analog Electronic Devices and Circuits Laboratory	0 - 0 - 3	1.5	50	-	-	50	3
18UECL306	PC	Digital Circuit Design Laboratory	0 - 0 - 3	1.5	50	-	-	50	3
Total			19-4-6	24	400	600		100	

BS- Basic Science, PC- Program Core

CIE: Continuous Internal Evaluation SEE: Semester End Examination
 L: Lecture T: Tutorials P: Practical
 *SEE for theory courses is conducted for 100 marks and reduced to 50 marks

A.E.

Prof. & Head
 Dept. of Electronics & Communication Engg
 III CoE Dept. of Engineering & Technology
 Siddaganga Institute of Technology, Tumkur

**Design and Scheme of Curricula
Credits break up and distribution
IV Semester ECE**

Course Code	Course Category	Course Title	Teaching		Evaluation				
			L-T-P (Hrs/Week)	Credits	CIE Max Marks	Theory (SEE) Max Marks	Theory (SEE) Duration in Hrs.	Practical (SEE) Max Marks	Practical (SEE) Duration in Hrs.
18UMAC400	BS	Engineering Mathematics-IV	3-0-0	3	50	100	3	-	-
18UECC400	PC	Communication Systems - I	4-0-0	4	50	100	3	-	-
18UECC401	PC	Control Systems	3-2-0	4	50	100	3	-	-
18UECC402	PC	Microcontroller	3-2-0	4	50	100	3	-	-
18UECC403	PC	HDL Programming Using Verilog	3-0-0	3	50	100	3	-	-
18UECC404	PC	Linear ICs and Applications	3-0-0	3	50	100	3	-	-
18UECL405	PC	HDL Programming Laboratory	0-0-3	1.5	50	-	-	50	3
18UECL406	PC	Linear Integrated Circuits Laboratory	0-0-3	1.5	50	-	-	50	3
18UECL407	PC	Introductory Project	0-0-2	1	50	-	-	-	-
Total			19-4-8	25	450	600		100	

BS- Basic Science, PC- Program Core

CIE: Continuous Internal Evaluation **SEE:** Semester End Examination

L: Lecture

T: Tutorials

P: Practical

*SEE for theory courses is conducted for 100 marks and reduced to 50 marks

Total number of credits offered for the Second year: 49

[Signature]

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