

## CIVIL ENGINEERING

B.TECH. TEMPLATE (all batches)									
[It is suggested that IC, ESO, SO, HSS (Level 1) and DC courses are taken strictly as per the template below] [DE, i.e., DE-A and DE-B, HSS (Level-2) and OE courses need not be taken strictly as per the template]									
C O U R S E S	SEMESTER								
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	Summer 2021	7 <sup>th</sup>	8 <sup>th</sup>
	MTH101 A [11] (IC)	MTH102A [11] (IC)	CE241A [09] (DC)	CE242AT [11-06] (DC)	CE311AT [09] (DC)	CE352AT [06-03] (DC)	CE242A L [05] (DC)	CE441b [05] (DC)	DE-B [09] (DE)
	PHY103 A [11] (IC)	PHY102A [11] (IC)	ESO-1 (ESO202A) [11] (SO/ESO)	CE262AT [0806] (DC)	DE-B [09] (DE)	CE372A [06] (DC)	CE262A L [02] (DC)	DE-A [11] (DE)	OE-4 [09] (OE)
	CHM101 A [03] (IC)	PHY101A [03] (IC)	ESO-2 (ESO204A) [11] (SO/ESO)	CE272A [09] (DC)	CE351AT [09] (DC)	CE382A [09] (DC)	CE352AL [03] (DC)	DE-A [11] (DE)	HSS-5 [09] HSS (Level-2)
	ESC101 A [14] (IC)	LIF101A [06] (IC)	HSS-2 [11] HSS (Level-1)	ESC201A [14] (IC)	CE361 A [06] (DC)	HSS-3 [09] HSS		HSS-4 [09] HSS (Level-2)	OE-5 [09] OE
	ENG112A/ HSS-1 [11] HSS (Level-1)	CHM102A [08] (IC)	SO-1 (MSO203B) [06] (SO/ESO)	SO-2 (HSO201) [11] (SO/ESO)	CE371 A [06] (DC)	OE-1 [09] (OE)		OE-2 [09] OE	OE-6 [09] OE
	PE101 A [03] (IC)	PE102A [03] (IC)	TA202A [06] (IC)	TA201A [06] (IC)	ESO-3 (ESO208A) [11] (SO/ESO)	CE331AT [11-09] (DC)	CE331AL [02] (DC)	OE-3 [09] (OE)	UGP-4 (CE493A) [09] (extra credit)
		TA101A [09] (IC)	COM200 [05] (IC)		CE341 A [02] (DC)	CE311AL [03] (DC)			
	53	51	59	59-52	56-52	51-55 53-48	12	52-54	45-54

### MINIMUM CREDIT REQUIREMENT FOR GRADUATION:

Institute Core (IC)	: 124	Credits
Department Compulsory (DC)	: 109	Credits
*Department Elective (DE)	: 40	Credits
Open Elective (OE)	: 54	Credits
SO/ ESO	: 50	Credits
HSS (Level-I)	: 22	Credits
HSS (Level-II)	: 27	Credits
<b>Total</b>	<b>: 426</b>	<b>Credits</b>

DE-A	DE-B**
CE412A [11]	CE491A [09]
CE451A [11]	CE492A [09]
CE462A [11]	CE605A [05]
CE471A [11]	CE606A [05]
CE481A [11]	
CE432A [11]	Other PG Courses declared as DE-B

### REMARKS:

- \*Students need to ensure that the courses chosen as DE include a minimum 22 credits of DE-A courses, and a total minimum of 40 credits.
- \*\*The DE-B courses may also contain other departmental PG courses that may be offered as DE-B every semester.
- UGP-1 and UGP-4 do not count towards DE/OE credits or minimum graduation requirements.
- Up to 45 OE credits and 09 DE credits may be waived from the minimum requirements for students opting for the dual degree within CE (Category A Dual Degree).
- Up to 36 OE credits may be waived from the minimum requirements for students opting for dual degree in another department (Category B/C Dual Degree) or the Double Major programme

#### Explanations of changes made

This template is all CE BTech students.

Courses **highlighted in blue** and **yellow** were adjustments made in the last semester and have been retained here for comparison.

Courses *with blue italicized font* are the suggested modifications for the next semester for modified courses (CE242A, CE262A, CE331A, and CE352A) – *the lab portions have been shifted to summer semester for all courses, except CE311AL which will be offered in virtual mode in the 2020-21-II as originally planned.*

Completion of CE311AT will be considered as completion of pre-requisite for CE412A (DE).

UGP-1 (CE332A: Survey camp- Extra credits) will not be offered in even semester (6<sup>th</sup>), but will be taken up in Summer 2021.

Overall credit load **decreases by 7** in 4<sup>th</sup> semester **and by 5** in 6<sup>th</sup> semester. As these credits have been moved to the buffer summer 2021 term; there is no need to match the deficit by advancing courses from future semesters because the students would have earned them by the time next regular semester arrives.

#### Explanations of changes made (previous semester 2020-21-I)

This template is for 3<sup>rd</sup> year (Y-18 batch) students only. For the other batches, the old CE template is applicable.

Courses **highlighted in blue** have been swapped between even and odd semesters. No change in credits or content.

Courses **highlighted in yellow** have been modified (CE311A, CE351A and CE352A) – the lab portion has been shifted to even semester.

Laboratory component of both CE351A and CE352A are combined in CE352A. Part of theoretical component of CE352A has been shifted to CE351AT in odd semester.

Lab component of CE311A will be offered separately in the even semester (CE311AL).

Completion of CE311AT will be considered as completion of pre-requisite for CE412A (DE).

UGP-1 (CE332A: Survey camp- Extra credits) will not be offered in even semester (6<sup>th</sup>).

Overall **credit load** decreases by 4 in 5<sup>th</sup> semester is being matched by increase of 2 units in the following two semesters (6<sup>th</sup> and 7<sup>th</sup>).