



**5 Years Integrated B.Tech. & M. Tech. Curriculum and  
Syllabus for Civil Engineering (CE)  
Sixth Semester**

**A. THEORY**

Sl No.	Code Number	Subject	Contact Hours				Credit Point
			L	T	P	Total	
1	TIU-UCE-T300	Career Advancement & Skill Development #	3	0	0	3	3
2	TIU-UMA-T304	Numerical Methods & Programming	3	0	0	3	3
3	TIU-UCE-T314	Water Resources Engineering – I	3	0	0	3	3
4	TIU-UCE-T316	Transportation Engineering – II	3	0	0	3	3
5	TIU-UCE-T318	Surveying – II	3	0	0	3	3
6	TIU-UCE-T320	Design of Steel Structures	3	1	0	4	4
Total Theory			19				19

**B. PRACTICAL**

7	TIU-UCE-L312	Concrete Technology Lab – II	0	0	3	3	2
8	TIU-UCE-L314	Transportation Engineering Lab	0	0	3	3	2
9	TIU-UCE-L316	Surveying Practice – II	0	0	3	3	2
10	TIU-UCS-L312	Numerical Methods & Programming Lab	0	0	3	3	2
Total Practical			12				8

**C. SESSIONAL**

10	TIU-UCE-S312	Design & Detailing of Steel Structures	0	0	3	3	2
11	TIU-UES-S398	Entrepreneurship Skill Development	0	0	0	0	2
Total Sessional			3				4

Total of Semester

34

31

**List of Departmental Career Advancement & Skill Development (CASD) Subjects**

**6<sup>th</sup> Semester**

# TIU-UCE-T300 - CASD (Risk and Reliability in Civil Engineering)