



## MANIPAL UNIVERSITY JAIPUR

Department of Civil Engineering, B Tech (Civil Engineering) Dual Degree with Deakin University, Australia  
Admission Batch – 2025 to 2028

Year	FIRST SEMESTER						SECOND SEMESTER					
	Sub. Code	Subject Name	L	T	P	C	Sub. Code	Subject Name	L	T	P	C
I	CHY1001	Engineering Chemistry & Lab	2	0	2	3	PHY1001	Engineering Physics & Lab	2	1	2	4
	MAS1001	Calculus & Matrices	2	1	0	3	MAS1002	Computational Mathematics	2	1	0	3
	ECE1002	Electronic Circuits	2	1	0	3	CHY1002	Environmental Studies	2	0	0	2
	MEE1008	Basic Mechanical Engineering	3	0	0	3	EEE1001	Electrical Technology	2	0	0	2
	CSC1101	Problem-Solving Using Computers	2	1	0	3	CIV1002	Engineering Materials and Mechanics	2	1	0	3
	DOA1001	Universal Human Values	1	0	0	1	MEE1038	Creativity & Innovation IDEA Lab	1	0	2	2
	CSC1130	Problem-Solving Using Computers Lab	0	0	2	1	BIT1001	Biology for Engineers	2	0	0	2
	LLC1011	Communication Skills	2	0	0	2	MEE1037	MATLAB for Engineers Lab	0	0	2	1
	MEE1036	Engineering Graphics	0	0	2	1	DOA1002	Wellness and Community Services	1	0	0	1
	Total		14	3	6	20	Total		14	3	6	20
II	THIRD SEMESTER						FOURTH SEMESTER					
	MAS2001	Statistics and Probability	3	0	0	3	MEE2001	Engineering Economics	3	0	0	3
	MBA2001	Principles of Management	3	0	0	3	CIV2201	Structural Analysis	3	1	0	4
	CIV2101	Fluid Mechanics	4	0	0	4	CIV2203	Environmental Engineering – 1	4	0	0	4
	CIV2102	Surveying and Practices	3	0	3	4	CIV2204	Concrete Technology	3	0	0	3
	CIV2103	Strength of Materials	3	1	0	4	CIV2205	Construction Project Management	3	1	0	4
	CIV2104	Building Materials and Construction Technology	4	0	0	4	LLC2211	Technical Report Writing	2	0	0	2
	CIV2130	Material Testing Lab	0	0	2	1	CIV2230	Environmental Engineering Lab	0	0	2	1
	CIV2131	Fluid Mechanics Lab	0	0	2	1	CIV2270	Project-Based Learning-1	0	0	6	3
	Total		20	1	7	24	Total		18	2	8	24

Note:

After completing 2 years at MUJ (1<sup>st</sup> to 4<sup>th</sup> semester) as per the above scheme, students will complete their remaining coursework for the requirement of B.Tech. in Civil Engineering at Deakin University, Australia, as per the scheme mentioned on the next page.

**Program Details – Civil Engineering**

**Course curriculum required for completion at Deakin**

**Trimester 1 Entry**

**Major or stream: Civil Engineering major**

Year 3	Trimester 1	SEV301 Water Engineering Design (2 credit points)	SEV320 Theory of Structures	SEV322 Hydrology and Hydraulics
	Trimester 2	SEV300 Reinforced Concrete and Steel Structures (2 credit points)	SEV362 Geotechnical Engineering	SEV254 Road and Pavement Engineering
Year 4	Trimester 1	SEJ441 Engineering Project A (2 credit points)	SEV402 Traffic and Transport Engineering	SEL703 Professional Practice
	Trimester 2	SEJ446 Engineering Project B (2 credit points)	SEN770 Infrastructure Engineering	Elective

**0 credit point units.** All students must complete the required 0 credit point units listed below in their first trimester of study at Deakin:

- DAI001 Academic Integrity and Respect at Deakin
- STP010 Career Tools for Employability
- SEJ010 Introduction to Safety and Project Oriented Learning