

## 1.3 Under Graduate Degree

Sl. No.	Programme	Duration	Eligibility
i	Engineering and Technology#	4 years	<p>Passed 10+2 examination with Physics/ Mathematics / Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship as per table 1.3(a)</p> <p>Agriculture stream (for Agriculture Engineering)</p> <p>Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.</p> <p>OR</p> <p>Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, in case the vacancies at lateral entry are exhausted.</p> <p>(The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to prepare Level playing field and desired learning outcomes of the programme)</p>
ii	Planning	4 years	<p>Passed 10+2 examination with eligibility as per table 1.3(a)</p> <p>Obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the qualifying Examination.</p>
iii	Applied Arts and Crafts	4 years	<p>Passed 10+2 examination</p> <p>Obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the qualifying Examination.</p>
iv	Design	4 years	<p>Passed 10+2 examination</p> <p>Obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the qualifying Examination.</p>
v	Hotel Management and Catering Technology	4 years	<p>Passed 10+2 examination</p> <p>Obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the qualifying Examination.</p>
vi	Engineering and Technology (Lateral Entry to Second year)#	3 years	<p>Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology.</p> <p>OR</p> <p>Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.</p> <p>OR</p> <p>Passed D.Voc. Stream in the same or allied sector.</p> <p>(The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)</p> <p>Refer table 1.10 of Appendix-1</p>
vii	Engineering and Technology (Lateral Entry to Third year)#	2 years	Refer table 1.10 of Appendix-1
viii	Engineering and Technology (Lateral Entry to Final year)#	1 year	Refer table 1.10 of Appendix-1
ix	All Programmes Other than Engineering and Technology/ Planning/ Design	Lateral Entry to Second year	Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination in a Programme with at least 45% marks (40% marks in case of candidates belonging to reserved category) in appropriate Programme.
x	Vocational (NSQF Level 7)	3 years	Passed 10+2 examination.

#Respective State Government/ Affiliating University/Board may decide the eligibility criteria for entry level Qualification for different Programmes/ Courses.

**NOTE:** Admission of B.Tech/B.E. graduates, in other branches of Engineering as an additional degree through Lateral Entry will be facilitated by the respective Technical Universities by allowing them to take admission at appropriate level of B.Tech/B.E. discipline/branch of Engineering. [Refer AICTE circular No. F.No. AICTE/P&AP/Misc/2020 dated 09.08.2021]

### 1.3 (a) Diploma/Under Graduate Engineering Entry level qualification 10+2 level

Sr. No.	Major Disciplines	Mandatory courses at 10+2 Level	Other relevant course(s) for this discipline
1	Aeronautical Engineering	Phy, Chem, Maths	NA
2	Agriculture Engineering**	Phy, Chem OR Agriculture stream	Maths/Biology/Biotechnology/Agriculture/ Agriculture stream
3	Architecture	Nil	Select any courses out of 14 <sup>#</sup>
4	Planning	Maths	For remaining two courses select any courses out of 14 <sup>#</sup>
5	Biotechnology**	Phy, Chem	Select any one from Bio/Biotechnology/Maths
6	Ceramic Engineering	Phy, Chem, Maths	NA
7	Civil Engineering	Phy, Chem, Maths	NA
8	Computer Science and Engineering	Phy, Maths	For remaining single course select any courses out of 14 <sup>#</sup>
9	Chemical Engineering	Phy, Chem, Maths	NA
10	Dairy Engineering	Phy, Chem, Maths	NA
11	Electrical Engineering	Phy, Maths	For remaining single course select any courses out of 14 <sup>#</sup>
12	Energy Engineering	Phy, Chem, Maths	NA
13	Electronics Engineering	Phy, Maths	For remaining single course select any courses out of 14 <sup>#</sup>
14	Mechanical Engineering	Phy, Chem, Maths	NA
15	Fire and Safety Engineering	Phy, Chem, Maths	NA
16	Food Engineering	Chem	For remaining two courses select any courses out of 14 <sup>#</sup>
17	Leather Technology	Chem	For remaining two courses select any courses out of 14 <sup>#</sup>
18	Marine Engineering	Phy, Chem, Maths	NA
19	Metallurgy Engineering	Phy, Chem, Maths	NA
20	Military Engineering	Phy, Chem, Maths	NA
21	Mining Engineering	Phy, Chem, Maths	NA
22	Nano Technology	Phy, Chem, Maths	NA
23	Nuclear Science and Technology	Phy, Chem, Maths	NA
24	Packaging Technology	Nil	Select any courses out of 14 <sup>#</sup>
25	Pharmaceutical Engineering**	Phy, Chem	Select any one from Bio/Biotechnology/Maths
26	Printing Engineering**	Phy, Chem	For remaining single course select any courses out of 14 <sup>#</sup>
27	Textile Engineering	Phy, Chem, Maths	NA
28	Fashion Technology	Nil	Select any courses out of 14 <sup>#</sup>
29	Textile Chemistry	Chem	For remaining two courses select any courses out of 14 <sup>#</sup>

\*\* First one or two Semesters may be so designed that students with Biology/Biotechnology background have adequate courses on Maths and Vice Versa and then the class is at level studying field for the rest of the semesters.

#Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship