

# UTTARAKHAND TECHNICAL UNIVERSITY

## *Ordinances for*

## **Bachelor of Technology Programmes**

### **1. Admission**

- 1.1. Admission to B.Tech. first year in I<sup>st</sup> semester and lateral admission in B.Tech. second year in III<sup>rd</sup> semester (for diploma holder candidates only) will be made as per the rules prescribed by the Academic Council of the Uttarakhand Technical University, Dehradun.
- 1.2. Admission on migration of a candidate from any other University to the University is not permitted.

### **2. Education Exchange Programme**

- 2.1\* A candidate may be allowed to migrate to any other university outside India after 2 years / 3 years of study of B. Tech. programme affiliated to Uttarakhand Technical University, Dehradun. He/She will continue his/her further study for 2 years / 1 year at any other college affiliated to other university (within India or abroad) to fulfill the requirements of B. Tech. degree. Degree shall be awarded by the University last attended.
- 2.2\* After the recommendation of credit evaluation committee, a candidate may be allowed to take up the admission in Uttarakhand Technical University, Dehradun after study of 2 years / 3 years from any other University (within India or abroad). He/She will continue his/her further study for 2 years / 1 year in a college affiliated to Uttarakhand Technical University, Dehradun to fulfill the requirements of B. Tech. degree. Degree shall be awarded by Uttarakhand Technical University, Dehradun.

\* Subjected to the approval of Govt. Of Uttarakhand

**3. Affiliation of Campuses / College in India and abroad**

Uttarakhand Technical University, Dehradun may also grant affiliation to other colleges/ campus situated outside Uttarakhand state in India or abroad.

**4. Eligibility for Admissions:**

**4.1. Admission to B. Tech. First Year through Entrance Examination:**

**(i)** Candidates who have passed Intermediate of Uttarakhand Board or (10+2) standard from other board with Physics and Mathematics along with any one of Chemistry/Bio-Technology/Computer Science/ Biology are eligible for admission to first year of 4 year B.Tech. Courses offered by Colleges/Institutions of Uttarakhand affiliated to Uttarakhand Technical University,Dehradun.

**(ii)** Candidates who have passed Intermediate of Uttarakhand Board or (10+2) standard from other board with Agriculture are only eligible for admission to first year of 4 year B.Tech. (Agriculture Engineering) offered by Colleges/Institutions of Uttarakhand affiliated to Uttarakhand Technical University,Dehradun.

**4.2. Admission to B.Tech. Second Year Through Lateral Entry Scheme:**

**(i)** Candidates who have passed 3/4 year Diploma (with minimum 60% marks) from institutions recognized by the Uttarakhand Board of Technical Education in any branch of Engineering/Technology except Agriculture Engg. are eligible for admission to Second year in any branch of Engg./Technology except Agriculture Engg.

**(ii)** Candidates who have passed 3/4 year Diploma (with minimum 60% marks) from institutions recognized by the Uttarakhand Board of Technical Education in Agriculture Engg. are only eligible for admission to Second year of Agriculture Engg.

**(iii)** Candidate who have passed B. Sc. (with Mathematics) with minimum of 60% marks are eligible to take admission in any branch of Engg./Technology.

**4.3. Direct admission on vacant seats at institution/college level :**

The eligibility criteria for direct admission on seats remaining vacant in first year after entrance examination counselling shall be such as may be notified from time to time.

**4.4.** The Academic Council shall have power to amend or repeal the eligibility criteria laid down at clause 4.1. & 4.2, as per the guidelines of All India Council for Technical Education (A.I.C.T.E.).

**5. Attendance**

**5.1** Every student is required to attend all the lectures, tutorials, practicals and other prescribed curricular and co-curricular activities. The attendance can be condoned upto 25% on medical grounds or for other genuine reasons beyond the control of students.

**5.2** A further relaxation of attendance upto 15% for a student can be given by Head of Institution/college provided that he/she has been absent with prior permission of the Head of the institution/college for the reasons acceptable to him.

**5.3** No student will be allowed to appear in the end semester examination if he / she does not satisfy the overall average attendance requirements of Clause Nos. 5.1 and 5.2. and such candidate(s) shall be treated as having failed and will be further governed by clause no. 6.2 & 6.3.

**5.4** The attendance shall be counted from the date of admission in the college or start of academic session whichever is later.

**6. Duration of Courses**

**6.1** Total duration of the B.Tech. Course shall be 4 years, each year comprising of two semesters. Each semester shall normally have teaching for the 90 working days or as prescribed by A.I.C.T.E. from time to time.

**6.2** A candidate, who has failed twice in first year due to any reason (either due to his/her non-appearance or he/she being not permitted to appear

in semester examinations) shall not be allowed to continue his/her studies further subject to clause **12**.

**6.3** The maximum time allowed for a candidate admitted in 1<sup>st</sup> /III<sup>rd</sup> semester (for diploma holders) for completing the B.Tech. course shall be 7 (seven) / 5 (five) years respectively, failing which he/she shall not be allowed to continue for his/her B.Tech. degree.

**7. Curriculum:**

**7.1** The 4 year curriculum has been divided into 8 semesters and shall include lectures, tutorials, practicals, seminars and projects etc. in addition to industrial training and educational tour etc. as defined in the scheme and executive instructions issued by the University from time to time.

**7.2** The curriculum will also include such other curricular, co-curricular and extracurricular activities as may be prescribed by the University from time to time.

**8. Change of Branch :**

**8.1** Change of branch may be allowed against the vacant seats in the following two stages, provided criteria at following sub clauses is satisfied:

**(i)** In first year, after the last date of admission to the B.Tech. 1<sup>st</sup> semester, on the basis of merit of entrance examination on vacant seat subject to clause **8.2**.

**(ii)** In the second year, on the basis of merit at the B.Tech. first year examination for those who are pass **without any carry over paper**.

**8.2** After change of branch, number of students in branch(s) shall neither increase over the intake approved by A.I.C.T.E. nor it will decrease below 75% of intake approved by A.I.C.T.E..

**8.3** Change of branch facility is not applicable to following:-

**(i)** Candidates admitted in B.Tech. Agricultural Engineering course.

(ii) Candidates admitted in second year of B.Tech. courses as per clauses 4.2.

8.4 The change of branch if allowed will become effective from B.Tech. IIIrd semester.

8.5 Further change of branch shall not be permitted.

**9. Change of College:**

Within the Uttarakhand state Change of College shall not be permitted.

**10. Examination :**

10.1 The performance of a student in a semester shall be evaluated through continuous class assessment and end semester examination. The continuous assessment shall be based on class tests, assignments /tutorials, quizzes/viva-voce and attendance. The marks for continuous assessment (Sessional marks) shall be awarded at the end of the semester. The end semester examination shall be comprised of written papers, practicals and viva-voce, inspection of certified course work in classes and laboratories, project work, design reports or by means of any combination of these methods.

10.2 The distribution of marks for sessional, end semester theory papers, practicals and other examinations, seminar, project, industrial training and general proficiency shall be as prescribed.

10.3 The marks obtained in a subject shall consist of marks allotted in end semester theory paper, practical examination and sessional work.

10.4 The minimum pass marks in each theory subject (including sessional marks) shall be 40% with a minimum of 30% marks in each theory paper in the end semester examination. If there is no provision of sessional marks in any subject, the minimum pass marks in that subject shall be 30% in the end semester examination.

10.5 The minimum pass marks in a project/practical subject (including sessional marks if any) shall be 50%.

**10.6** A candidate, in order to pass, must secure 50% marks in the aggregate in a particular academic year inclusive of both semesters of the academic year subjected to conditions as clause **11.2(a)**.

**10.7** The minimum pass marks in Seminar, Industrial Training and Educational Tour, Viva-Voce etc shall be 50%.

**10.8** There shall be no pass marks in General Proficiency (G.P.) However, marks of General Proficiency shall be added in the result.

**11. Promotion :**

**11.1** A candidate satisfying all the requirements under clause **10** shall be promoted to the next academic year of study.

**11.2. (a)** A candidate shall be eligible for provisional promotion to the next academic year of study provided :

**(i)** he/she fails to satisfy the requirements of clause 10.4, 10.5 and 10.7 in not more than **4 theory subject and 2 practical/ project subjects** on the basis of combined result of both semester examinations of a particular academic year.

**(ii)** he/she fails to satisfy the requirements of clause 10.4, 10.5 and 10.7 (theory and/or practical/ project subjects) in not more **than 3 theory subjects and 2 practical/project subjects** in addition he/she fails to satisfy requirement of clause 10.6 (aggregate marks) in the combined result of both semester examinations of a particular academic year. In such a case aggregate marks shall be treated as **one theory subject**.

**(b)** If a candidate satisfies the requirement of clauses 10.4, 10.5 & 10.7 but fails to satisfy the requirement of clause 10.6, he/she shall be eligible for provisional promotion with carry over. He/she may choose upto a maximum of any **four** theory papers of that particular academic year as per his/her choice to pass the examination of that year.

**12. Carryover System:**

**12.1 (a)** A candidate who satisfies the requirements of clause **11.2 (a)** will be required to appear in those theory papers / practicals in which he/she failed. However, a candidate of first year will be allowed to appear in the second semester examination in those theory/ practical subjects in which he/she failed in the first semester examination, provided examination of those theory/practical subjects are held in second semester.

**(b)** A candidate satisfying clause **11.2 (b)** shall be required to exercise his/her choice upto a maximum of **Four** theory papers in which he/she desires to appear in the examination to fulfill the requirements of clause **10.6**. He/she shall inform the college about his/her choice within 15 days after the start of new session.

**12.2** The highest marks secured in any subject in various attempts (end semester & carryover examination ) shall be considered

**13. Ex-studentship :**

**13.1** A candidate opting for ex-studentship shall be required to appear in all the theory & practical subjects in the end semester examinations of both semesters of the same academic year. However, the marks pertaining to Sessional, Industrial Training, Seminar and General Proficiency shall remain the same as those secured earlier.

**13.2** A candidate opting for ex-studentship shall be required to apply to the college by paying only examination fee within 15 days from the start of new session.

**14. Re-admission in the Institution/ College :**

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

**14.1** A candidate is declared fail.

**14.2** A candidate did not appear in a semester examination / or he/she was not granted permission to appear in the examination.

- 14.3** A candidate has been detained by the institute and subsequently has been permitted to take re-admission.
- 14.4** A candidate as an ex-student passed the examination of the academic year or qualified for carryover system.
- 14.5** A candidate promoted with carry over subjects and he/she opted for readmission.
- 15. Results :**
- 15.1** The result of a candidate shall be declared on the basis of performance of both semesters of the same academic year. However, a final year student, who is not permitted in any one of the final year semester examinations due to shortage of attendance, will be permitted in that particular semester of the next academic session to study as a regular student and appear at that semester examination.
- 15.2** Result of the final year shall be declared on the basis of working out Grand Total by adding marks of all the years of study in the following ways:
- (a) For candidates admitted to B.Tech. course as per clause **4.1 & 4.3**
- |                 |                                |
|-----------------|--------------------------------|
| <b>I Year</b>   | <b>25% of aggregate marks</b>  |
| <b>II Year</b>  | <b>50% of aggregate marks</b>  |
| <b>III Year</b> | <b>75% of aggregate marks</b>  |
| <b>IV Year</b>  | <b>100% of aggregate marks</b> |
- (b) Candidates admitted in III semester of B.Tech. course as per clause **4.2**
- |                 |                                |
|-----------------|--------------------------------|
| <b>II Year</b>  | <b>50% of aggregate marks</b>  |
| <b>III Year</b> | <b>75% of aggregate marks</b>  |
| <b>IV Year</b>  | <b>100% of aggregate marks</b> |
- 16. Award of Division :**
- 16.1** The division shall be awarded on the basis of final year result.
- 16.2** If a candidate passes all examinations and secures 50% or more marks but less than 60% marks, he/she shall be placed in **SECOND DIVISION**.

**16.3** If a candidate passes all examinations and secures 60% or more marks, he/she shall be placed in **FIRST DIVISION**.

**16.4** If a candidate passes all examinations in first attempt without grace and secures 75% or more marks, he/she shall be placed in **FIRST DIVISION WITH HONOURS** and the candidates at first two top positions amongst First Div. with Honours only will be awarded medals viz. Gold and Silver respectively in order of merit.

**17. Award of Rank :**

On the basis of final year result, the top ten candidates in each branch shall be awarded rank according to their merit provided they pass all the examinations in first attempt.

**18. Grace Marks:**

**18.1** A candidate may be awarded grace marks upto a maximum of total 10 marks, in maximum four subjects **but not more than five marks in any subject** including theory papers, practicals, project, seminar, industrial training and/or aggregate marks in each academic year provided he/she can be declared to have passed the academic year by the award of these marks.

Anybody getting less than 50% marks in aggregate will be treated as if he/she has failed in that year. Grace marks will be applicable only to students who can be declared clear pass after awarding grace marks.

**Some cases of grace marks eligibility:**

A student has passed in all subjects except one in which he/she scored 24 marks out of 100- he/she will not be entitled for grace marks as it crosses maximum limit of 5 marks.

A student has failed in 4 subjects but by applying grace though he/she will clear the papers but his/her aggregate will remain less than 50%- no grace will be allowed

A student has failed in 3 papers and short in aggregate by 3marks-grace may be allowed if he /she clear all papers along with aggregate. The grace

marks may be awarded simultaneously both in subject and in aggregate with the condition of maximum 10 Marks.

**19. Scrutiny and Revaluation :**

**19.1** Scrutiny shall be allowed in only theory papers.

**19.2** Revaluation of theory/practical papers is not permitted.

**20. Unfair means :**

Cases of unfair means shall be dealt as per the rules of the University and The Central Government Public Examination (Prevention of Unfair means ) Act if any in prevalence.

**21. Award of Sessional Marks:**

Sessional marks for theory subjects, practicals and project shall be awarded as will be prescribed and at present the break-up of sessional marks shall be as follows:

**(a) Theory Subjects :**

**(i) Class test** which will comprise **60%**  
two mid-term tests of equal weightage

**(ii) Teacher Assessment**

Tutorial/Assignment/ Quizzes **20%**  
Attendance **20%**

**(b) Practical,**

**(i)** Two mid-term viva-voce/tests of equal weightage **50%**

**(ii)** Teacher Assessment Lab, Record 25% Attendance **25%**

**(c)** Make-up test may be held only for those students who could not appear in any one of mid-term class tests due to genuine reasons for which the prior permission from the Head of Institution/College was taken. Make up test shall ordinarily be held about two weeks before the semester examination.

The syllabus for the make-up test shall be the whole syllabus covered by the subject teacher upto that time and it will be of three hours duration.

**22. Award of General Proficiency Marks at Institution/College level :**

**22.1** The marks in General Proficiency shall be awarded on the following basis:

1. Co-curricular & Extra-curricular activities **60%**

(Games, Sports, Cultural and Literary activities etc.)

**[to be awarded by the Officer-Incharge, Extra- curricular activities]**

2. Discipline **40%**

(Inside and Outside Institution/College campus)

**[to be awarded by the Officer Incharge, Discipline]**

**22.2** The marks of General Proficiency will be compiled by the Head of Institution/College or his/her nominee.

**23. Award of Seminar Industrial Training, Educational Tour Marks at Institution/College level:**

**23.1** The marks of Seminar, Industrial Training, Educational tour marks shall be awarded on the following basis:

- (i)** Write-up / Report **50%**

- (ii)** Presentation **50%**

**23.2** The marks in Seminar, Industrial Training and Educational Tour shall be awarded by a committee consisting of following members:

- (i)** Head of the Department or his/her nominee.

- (ii)** Concerned Officer – Incharge.

- (iii)** Senior Faculty Member of the department nominated by the Head of Department.

**24. Cancellation of Admission :**

The admission of a student at any stage of study shall be cancelled if :

- (i)** He / She is not found qualified as per AICTE / State Government norms and guidelines or the eligibility criteria prescribed by the University.

or

**(ii)** He / She is found unable to complete the course within the stipulated time as prescribed in clause **6.2**

or

**(iii)** He / She is found involved in creating indiscipline in the Institution / College or in the University.

**25.** The Academic Council shall have the power to relax any provision provided in the ordinance in any specific matter/situation subject to the approval of Executive Council of the University & such decision(s) shall be reported to the Chancellor of the University.