

INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

NORMS FOR BTech-MTech DUAL DEGREE PROGRAMME

[As approved by a) the BoG in its 18th meeting held on 16 May 2016, 34th meeting held on 28 April 2022, 39th meeting held on 19 January 2024 b) Senate in its 60th meeting held on 26th September 2022]

1. Introduction:

Students may be admitted to the BTech – MTech dual degree programme at IIT Gandhinagar in the following manners:

- The Institute may directly admit students to the BTech-MTech dual degree programme (hereafter referred to as the direct admission mode) based on the results of JEE (Advanced) on recommendation of JoSAA.
- Students enrolled in the BTech programme at IIT Gandhinagar can opt to join BTech-MTech dual degree programme (hereafter referred to as the sliding mode), provided they fulfill the eligibility criteria and are recommended by their respective disciplines.

2. Eligibility and Selection Process (Sliding Mode):

- BTech students at IIT Gandhinagar who have joined in 2013 or later may apply for a dual degree programme **any time after completion of four semesters**, but **latest by the end of six semesters**. Students in 2013 batch may be permitted to opt for conversion to dual degree by July 2016 as a one-time exception.
- The students should have secured a **minimum CPI of 6.0 out of 10** at the time of application.
- The students are free to apply to disciplines (in which a regular MTech programme exists) other than the discipline in which they are enrolled for their BTech programme, provided they are eligible.
- The disciplines will announce the discipline wise eligibility criteria in advance.
- Recommendations for conversion to dual degree programme will be made by a selection committee setup at the discipline in which the student wishes to pursue their MTech.

3. Change of Programme and/or Branch (Direct Admission Mode):

- Students admitted to the BTech-MTech dual degree programmes through direct admission mode are eligible for a change of programme/branch. This one-time change will be at the beginning of the second year and will be governed by the same branch change policies followed for BTech programmes. For this purpose, the direct admission BTech-MTech dual degree programmes will be considered equivalent to a branch of a regular BTech programme. For example, a BTech-MTech Dual Degree in Computer Science and Engineering student could change the programme to BTech in Chemical Engineering, BTech in Computer Science & Engineering, or BTech-MTech Dual Degree in Electrical Engineering. Similarly, a student admitted to BTech in Chemical Engineering could change the programme to direct admission BTech-MTech Dual Degree programmes in addition to options for change of branch among the regular BTech disciplines.

- At the beginning of the second year, after a round of re-allotment of students following the branch change policy mentioned above, students in a direct admission BTech-MTech dual degree programme can request a change of programme within the discipline before the beginning of the second year. This change can be permitted based on merit (similar to a regular branch change), with the constraint that the number of students on roll in the direct admission BTech-MTech dual degree programme does not fall below 50% of its sanctioned strength. The merit at the end of the first year of the BTech programme will be considered for this programme change (without fail grades/backlogs). Change of programme from BTech-MTech dual degree to regular BTech programme can be effected only once at the beginning of the second year.

[Note: (a) Fail grade/backlogs also include first year BTech/BTech-MTech courses which were dropped before the end of the 1st/2nd semester, courses which were prescribed for first year BTech/BTech-MTech students but were not registered for, fail grades in courses with zero credit like Physical Education course(s), fail grades in courses with only Pass/Fail grade like General Education etc. (b) The CPI used for branch/programme change is only based on courses which are prescribed for first year BTech/BTech-MTech students of a particular batch. Additional courses, if any completed, will not be counted towards the CPI used for branch/programme change.]

4. Graduation Requirements and Norms:

- Students enrolled in the dual degree programme have to earn a minimum of 72 credits, in addition to the credits counted towards their BTech degree requirements. This is against the 80 credits required for regular MTech programme after BTech or equivalent degree.
- Students should obtain a minimum of 24 credits through courses and a minimum of 32 credits through MTech thesis units. Note that the regular MTech requires minimum 32 credits through courses and 32 credits of thesis units.
- The open elective requirement in the BTech programme of the student may be reduced by 4 credits.
- The student in sliding mode may have to do additional courses if they opt for an MTech degree in a discipline other than their BTech discipline, which will be specified by the second discipline during the change of programme.
- The students have to also successfully defend their MTech thesis to complete the requirements of the dual degree.
- Single CPI will be maintained till the completion of all the requirements of both the degrees and two separate CPIs will be mentioned in the final transcript, based on the graduation claim made by the student. One CPI will be for all the courses claimed towards the BTech degree and another based on all credits earned towards the MTech degree.
- The students may also opt for Honours in the same discipline and/or Minor(s) in other discipline(s) as part of their BTech degree by clearing the additional requisite credits.
- Pass/fail conversion will be allowed only for two courses during the entire period of the dual degree.

- All other norms such as substitution of courses will be applicable separately for the courses counted towards BTech and MTech degrees.
- If the student does not maintain a CPI of above 6.0 or have secured more than two U grades in MTech thesis units, the student will be converted to the BTech programme.
- The maximum duration of the dual degree programme will be seven years.

5. Fellowship:

- Fellowship, as per prevailing rates for MTech students, may be paid to students opting for the dual degree program for a maximum period of 12 months.
- The fellowship will begin after the eighth semester, subject to the student completing all the requirements of the BTech degree.
- Students having a CPI of 8.0 or above (7.5 for students from SC/ST/PD category) at the end of the 8th semester are eligible for the fellowship without having to appear for GATE. All other students will need a valid GATE score (above the prescribed cut-off) to avail fellowship.

6. **Tuition Fees:** The students will deposit the tuition fees as per norms of the BTech programme until completion of the eighth semester or completion of requirements of their BTech degree, whichever is later. They will pay fees as per norms of the MTech programme (for candidates paid a fellowship) afterwards, till completion of all requirements for the award of both the Degrees.

7. **Award of Degrees:** The student will be awarded both BTech and MTech degrees after successfully completing all the requirements for the award of both the degrees.

8. Exit Options:

- Sliding Mode:** The student may request to opt out of the dual degree programme at any point during the programme after giving valid reasons, and if the request is approved, the student will be treated as in the BTech programme.
- Direct Admission Mode:** The BSc in Engineering degree will be an exit option for students who are admitted to the BTech-MTech dual degree programme through the direct admission route. Exit with a BTech is not an option for students in this programme, who remain in the BTech-MTech dual degree after the beginning of the second year.