

**INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES)
DHANBAD
OFFICE OF DEAN (ACADEMIC)**



**RULES AND GUIDELINES
For
Additional Academic Program**

- 1. Dual Degree (Category – A, B, & C)**
- 2. Double Major**
- 3. Minor**

(To be implemented from 2021-22)

DETAILS OF THE ADDITIONAL ACADEMIC PROGRAM WHICH ARE GIVEN BELOW:

INTRODUCTION:

Keeping in view the challenges in the evolving areas of STEM, flexibility in pursuing academic curriculum is the need of the hour for students. Therefore, to provide better opportunities in technology and science, students admitted through JEE Advanced are given opportunities to pursue additional academic programs along with the regular undergraduate academic programs on offer. Students are allowed to pursue additional academic programs subject to fulfilment of the prescribed eligibility criteria. Details of all such additional academic programs are given below:

DUAL DEGREE

Category-A: B.Tech. & M.Tech. Degree in the same Discipline/Department.

Category-B: B.Tech. Degree in the parent Discipline/Department and the M.Tech. Degree in a different Discipline/Department.

Category-C: B.Tech. Degree in the parent Discipline/Department and the MBA Degree.

DOUBLE MAJOR

Bachelor of Technology (B.Tech) in parent Department and Second Major Degree (B.Tech.) in other Department.

Minor

Specialization in a Department other than the parent Department as a MINOR by doing extra courses as prescribed by the offering department.

Dual Degree Program (Category-A, B & C)

1. Eligibility Criteria:

- a) Student should have a minimum CGPA of 7.0 at the end of the fourth semester. However, the Department will have the prerogative to increase the CGPA for allowing the student to opt the Dual Degree program for all the categories.
- b) Only one chance will be given for opting the Dual Degree program in the entire period of academic program i.e., at the end of fourth semester.
- c) Student should not have any backlog at the time of applying for Dual Degree Program.
- d) There is no limit on the number of available seats in Dual Degree (Category-A) as all the students who opt the program are of the same department.
- e) For the Dual Degree (Category - B & C), additional eligibility criteria, such as interview and/or written test may be imposed. The additional eligibility criteria shall be decided by the offering department. However, the number of admitted students should not exceed 20% of the existing batch strength of the M.Tech/MBA program of the department.
- f) Student, who opts the Dual Degree program, will not be allowed to do the Double Major Program.

2. **Application Process:**

- a) Students can apply for the Dual Degree program (Category-A, B & C) during the pre-registration process for the fifth Semester.
- b) Student may submit the form only for one Category (A/B/C).
- c) For Category-B, student should apply for their preferred choice of programs from multiple departments. No change will be permitted once the program is allotted.
- d) Once the request for opting the Dual Degree Program of a particular category is accepted, the student will not be allowed to change the Category.
- e) The allotment of Dual Degree will be made only after the declaration of the fourth semester result. Student will be able to view the allotted Dual Degree program on their MIS.
- f) If a student is allowed for a Dual Degree program, s/he may change the pre-registered courses according to the requirement of the Dual Degree program during the add/drop period of the fifth semester.

3. **Academic Road-Map:** (Details of Dual Degree course work will be available in the Course Structure of each department)

- a) Student, who opt the Dual Degree program in Category-A, B & C may be allowed to take overloads for completion of the Dual Degree program, if required, within the maximum duration of 10 semesters.
- b) The following requirements are to be fulfilled for obtaining M.Tech. Degree under Dual Degree program:
 - i. **Category - A:** At least six PG level courses (Total 54 credits) with the combination of the DC/DE/OE are to be cleared along with 54 credits of thesis. However, DC courses should not be more than two in the prescribed course structure.
 - ii. **Category – B & C:** At least four DC courses of UG level of the offering department where student will pursue the M.Tech. program are to be cleared. But for pursuing MBA and M.Tech. where the department does not have any Undergraduate Program, instead of four DC courses of UG level student will take four DC/DE/OE courses of PG level. In addition, at least six PG level courses with the combination of the DC/DE/OE along with 54 credits of thesis are to be cleared. However, the DC courses for M.Tech./MBA part should not be more than two.
- c) Four DC courses (UG level) of the second department are prescribed in the course structure of the Dual Degree program (Category - B & C). Waiver in OE credits (at least 36 credits) of B.Tech. Degree of the parent department will be given to the students in order to complete the four DC courses (UG level) of the second department.
- d) No academic adjustment is permissible for completion of the Dual Degree program except waiver in the OE credit (at least 36 credits) for Category - B & C.
- e) Migration from B.Tech. part to the M.Tech. part under Dual Degree program will be allowed for doing thesis work only when the student completes all the mandatory credits of IC and DC courses at the end of seventh semester.

- f) A Dual Degree student will be governed by the existing rules of the UG Manual until s/he officially migrates to the Masters part of the program. In the PG part of the program, academic program of the student will be governed by existing rules of the PG Manual.

4. Eligibility Criteria and Guidelines for Giving Assistantship to the Dual Degree students of all Categories:

- a) Dual Degree students are eligible for Assistantship in the 5th Year (9th and 10th Semester) for a maximum period of twelve months or the date of completion of Dual Degree program whichever is earlier.
- b) The students who opt the Dual Degree must secure the minimum CGPA of 8.0 at the end of the 8th semester for availing the Assistantship or qualify the GATE Examination.
- c) The student must clear all courses prescribed in the course structure up to 8th semester.
- d) The Assistantship of a student having backlog courses will be withheld and may be subsequently released only after clearing the backlog courses and secure the CGPA of 8.0.
- e) Assistantship will be paid from the month of 1st June to 31st December (seven months in 9th semester) and 1st January to 31st May (five months in 10th semester). However, Assistantship will be released with the arrear, if any, subject to completion of the registration process i.e., after the last date of registration in every semester.
- f) The admissible amount of the Assistantship will be paid as per the guidelines of the MOE (Ministry of Education) Government of India.
- g) The Dual Degree students receiving Assistantship will not be entitled for any vacation during summer and winter semesters. A pro-rata deduction from the amount of the Assistantship will be made if student avails any leave beyond the admissible period.
- h) The Dual Degree students in their 5th Year (9th and 10th semesters) will not be eligible for any other Undergraduate Scholarship including MCM Scholarship or any other Financial Assistance.
- i) All the above cited eligibility criterion and guidelines may be changed from time-to-time subject to the direction of the MOE (Ministry of Education) Government of India.

5. Withdrawal from the Dual Degree Program:

A student who has opted Dual Degree program may withdraw from the Dual Degree program only at the end of his **Sixth** semester. For withdrawing from the Dual Degree program, the student needs to submit an application with the reasons addressed to the Chairperson, SUGC. The application should be recommended by Convener, DUGC and if the student is pursuing Dual Degree (Category B & C), then recommendations will be given by the Convener, DUGC of both the departments, parent department as well as the second department

6. Termination from Dual Degree Program:

- a) The PG part of the Dual Degree program will be terminated if a student falls short of 36 or more credits of the total credit requirements of the B.Tech. Degree at the end of the eighth semester.

- b) If the Dual Degree program is terminated in eighth or higher semesters, B.Tech Degree may be awarded to the student upon completion of all graduation requirements of the said degree.
- c) If the Dual Degree program of a student is terminated, waiver in 36 OE credits will not be given for the requirements of completion of the B.Tech. program, to the students who opted Dual Degree (Category-B). But if any course(s) of the Dual Degree program is cleared by the student then the credits of all such courses will be counted towards the requirement of the OE credits.

Double Major

1. **Eligibility Criteria:**

- a) Student should have a minimum CGPA of 8.0 at the end of fourth semester. However, department will have the prerogative to increase the CGPA or introduce additional eligibility criteria, such as interview and/or written test for allowing the student to opt the Double Major program.
- b) Only one chance will be given for opting the Double Major program in the entire period of academic program i.e., at the end of fourth semester.
- c) Student should not have any backlog at the time of applying for opting the Double Major Program.
- d) The number of admitted students should not exceed 20% of the existing batch strength of the B.Tech program of the offering department.
- e) Student, who opts the Double Major program, will not be allowed to do the Dual Degree program.

2. **Application Process:**

- a) Students can apply for the Double Major program during the pre-registration process for the fifth Semester.
- b) For Double Major, a student should apply with their preferential choice from multiple departments. No change will be permitted once the program is allotted.
- c) The allotment of Double Major program will be made only after the declaration of the fourth semester result. Student will be able to view the allotted Double major program on their MIS.
- d) If a student is allowed to opt Double Major program, s/he may change the pre-registered courses according to the requirement of the Double Major program during the add/drop period of the fifth semester.

3. **Academic Road-Map: (Details of Double Major course work will be available in the Course Structure of each department)**

- a) Students will be allowed to take overloads for completing the Double Major program, within the maximum duration of 10 semesters, if required.
- b) No academic adjustment is permissible for completion of the graduation requirements of B.Tech. in parent department and Double Major program in other department.

- c) For obtaining the degree of the second major under Double Major program, the total credits requirement will be minimum of 108 with a maximum of 124.
- d) The distribution of credit requirement is:
 - (i) Eight DC courses (72 credits) of the offering department.
 - (ii) Two guided ESO (18 credits) which will also be counted towards the ESO requirements of B.Tech. Degree in parent department.
 - (iii) Four Departmental Electives (36 credits) of the second major department.
 - (iv) All practical courses associated with the offered DC courses. The Credit may vary from 0-16.

4. **Withdrawal from the Double Major Program:**

A student who has opted Double Major program may withdraw from the Double Major program only at the end of his **Sixth** semester. For withdrawing from the Double Major program, the student needs to submit an application with the reasons addressed to the Chairperson, SUGC. The application should be recommended by the Convener, DUGC of both the departments, parent department as well as the second department.

5. **Termination from Double Major Program:**

- a) The Double Major program will be terminated if a student falls short of 36 or more credits of the total credit requirements of the B.Tech. Degree at the end of the eighth semester.
- b) If the Double Major program is terminated in eighth or higher semesters, B.Tech degree of the parent department will be awarded to the student upon completion of all graduation requirements of the said degree.
- c) If a student is terminated from a Double Major program, credits of all the courses cleared for completion of Double Major, will be counted only for the requirements of OE credits in their regular academic program.

Minor

- a) All the undergraduate students including 5-Year Integrated M.Tech. are eligible for opting the Minor.
 - b) Students can apply for the minor while doing the pre-registration for the fifth Semester.
 - c) For Minor, the student can apply with their preferred choice from multiple departments. No change will be permitted once the minor is allotted.
 - d) The allotment of Minor will be made only after the declaration of the fourth semester result. Student can see the allotted Minor on their MIS.
1. If the first course of the Minor program in a department is a compulsory departmental course, then the number of the students should not be more than 20% of the department's existing batch strength. If the first course is not a departmental compulsory course, then department may accommodate more than 20% of the existing batch strength.
 2. A Minor entails the completion of 27 credits. All the course work and credit requirements of Minor should be completed within the minimum duration stipulated for completion of the Undergraduate Program and no extra semester will be given.

3. No academic adjustment will be allowed for fulfilment of the requirements of the Minor.
4. In general, for opting Minor, no specific eligibility criteria need to be fulfilled.
5. A student can do more than one Minor, if s/he fulfils the requirements.
6. Student may take the courses required for Minor from their Fifth semesters onwards. However, if any prescribed course(s) of Minor are cleared by the student in their 4th and earlier semesters that will be counted towards completion of the Minor.
7. All the courses required for obtaining a Minor will be prescribed by the respective department with the combination of Departmental Core (DC), Departmental Elective (DE) & ESO along with the TITLE of each Minor.
8. Department may offer more than one Minor with different course combination and Title of the Minor.
9. Students who are pursuing Double Major Program and Dual Degree (Category-A, B & C) are also eligible for Minor of any other departments except that particular department where they are pursuing Double Major and Dual Degree (Category-B & C).
10. Students may select those OE courses which will fulfil the requirements for completing the Minor. The credits of all such courses of the Minor will also be counted towards the OE credit requirements of the B.Tech./5-Year Integrated M.Tech. program.
11. If any DC course is prescribed by a department for completion of Minor, student may take that DC courses in that particular semester, if the timing is not clashing with the DC course of the parent department. Otherwise, DC course for completion of Minor will be cleared in seventh or eighth semester only.
12. Since the credits of the Minor courses will fulfil the OE credit requirements of undergraduate program, all such courses will be appeared in the student's Final Grade Sheet denoted by "M" that means courses cleared for completing a Minor.

Procedures for claiming of Minor after completion of the requirements of Minor.

1. After clearing of all the required courses of a Minor, student must claim for Minor during their final semester only.
2. Student will fill up an application form by giving the requisite information and the same must be submitted in their Final Semester within the specified schedule to the Office of the Dean (Academic).
3. If any student fails to submit the application form within the specified period and after receiving the degree student claims for Minor in future that claim will not be accepted.
4. After completion of the requirements of the Minor, a certificate of the Minor will be given at the time of conferment of Degree only. No certificate or any kind of document will be provided during the entire period of academic program against the Minor.
