

Double Major

Department	Double Major
Department of Biomedical Engineering	
Department of Biotechnology	
Department of Civil Engineering	Yes
Department of Chemical Engineering	
Department of Computer Science Engineering	yes
Department of Electrical Engineering	Yes
Department of Engineering Science	
Department of Materials Science and Metallurgical Engineering	Yes
Department of Mechanical & Aerospace Engineering	Yes
Department of Liberal Arts	
Department of Chemistry	
Department of Mathematics	
Department of Physics	Yes

1. What is the eligibility requirement for registration in terms of number of credits or projects?

No requirement

2. What is the eligibility requirement for registration in terms of number of backlogs?

No backlogs

3. Is there a CGPA criterion for registration?

No

4. Department-wise course prerequisites requirements? Please mention in detail all the courses semesters-wise with suitable credits here.

Table above

5. Department-wise maximum number of students (or a percentage of existing student strength) that can avail this option?

We recommend a cap of 15% increase in the original batch strength of any department due to major.

6. When can one apply, in which semester?

Starting from 4th Semester

7. Whom to inform/seek approval from (faculty advisor/ DUGC/ others?) in case the student from your department wants to pursue an option in another department?

Faculty advisor. Further, the advisor should inform the academic section.

8. Whom to inform/seek approval from (faculty advisor/ DUGC/ others?) in case the student from another department wants to pursue an option in your department?

DUGC Convenor decides.

9. If a student would like to withdrawal from major what is the procedure and when can that be done, again whom to contact?

Faculty advisor

11. Can a student be terminated from the program and under what circumstances?

After enrolling into majors, if a student gets FS/FR grade in more than 3 credits his/her enrolment to the same will be terminated.

10. If a student has done the required courses as free electives before, how to make up for the lost credits?

Case by case basis on recommendation of DUGC Convenor

11. What is your department's take if a student wants to pursue more than one option such as major as well as minor or major as well as honours?

Should be permitted on the recommendation of the Faculty Advisor

Minor and major can not be done in the same department.

CGPA shall be displayed as follows

B.Tech (parent dept)

B.Tech (second dept)

a) CSE Curricula for Minors and Double Majors:

CSE Minor Program Curriculum: The following minor curriculum is applicable for students in non-CSE departments who started their B Tech in the Aug 2015 semester or later.

Requirements: Any 12 out of the 23 credits listed in the table below, starting from 4th semester of the student from other departments. The student should ensure that the appropriate prerequisites are met. It is up to the student to choose the courses and manage his/her schedule along with the courses in his/her home department.

CSE Secondary major (Double major) curriculum: The following curriculum for obtaining CS as the additional major is applicable for students in non-CSE departments who started their B Tech in the Aug 2015 semester or later.

Requirements: 24 credits in the CSE department which must include any 15 out of the 23 credits listed in the table below, starting from 4th semester of the student from other departments. The student should ensure that the appropriate prerequisites are met. It is up to the student to choose the courses and manage his/her schedule along with the courses in his/her home department.

For students who started their B Tech in the Aug 2014 semester: There was a prior list of courses that had to be completed for the minor/secondary major, and some of the courses might have already been completed. For those students, the credit requirements remain the same. The minor students need to do 12 credits from either list combined. The secondary major students need to do 15 credits from either list plus 9 additional credits from the CSE department.

Remarks:

- If any course in the basket is part of the student's primary major curriculum, then that course cannot be used to count towards the CSE minor/secondary major requirements.
- The minor and secondary major students should enroll with the application process, which will be announced at an appropriate time before the 4th semester. The announcement will be through email, and it is the interested student's responsibility to apply before the announced deadline. Note that this application process is different from the registration on the AIMS portal.
- The seats for the minor and secondary major in CSE are limited to 10% of the CSE BTech program intake. The CGPA from the first and second semesters of the students would be used as a tiebreaker if there are more applicants than the number of seats available.

Basket of courses for **Minor and secondary for double major:**

Course ID	Course Name	Semester	Pre-requisites	#Credits
CS1353	Introduction to Data Structures	4	ID1303	3
CS2233	Data Structures	5	CS1353	3
EE1110	Applied Digital Logic Design			1
EE1120	Digital Systems and Design			1
CS2400	Principles of Programming Languages I	5	CS2233	1
CS2323	Computer Architecture	5	ID1303, EE2110	2
CS3510	Operating Systems I	5	CS1353, CS2323	1
CS2443	Algorithms	6	CS2233	3
CS3523	Operating Systems II	6	CS3510, CS2233	3
CS3530	Computer Networks I	7	CS1353	1
CS3550	Introduction to Database Management Systems I	7	CS3510	1
CS3563	Introduction to DBMS II	8	CS3510, CS3550	3
	Total			23

Senate Ruling: Approved

b) CAP on Double major students like Minor students, ES students

Senate Ruling:

- **10% of the strength**
- **Overall CGPA of 1st and 2nd semesters, will be the qualifying mark**