

CSE: Minor and Secondary Major Curricula

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.

Minor, secondary major basket:

Course ID	Course Name	Semester	Pre-requisites	#Credits
CS1353	Introduction to Data Structures	4	ID1303	3
CS2233	Data Structures	5	CS1353	3
EE1110	Digital Design through Arduino			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