

Course Credit Requirements and Guidelines for MTech batch 2019+

Below is the overall course structure for **two-year MTech program (TA)**:

Course No	Course Name	Number of Credits	Semester
CS6013	Advanced Data Structures & Algorithms	3	I
CSxxxx	Core Electives (see notes)	21	I,II

Courses total to 24 credits, while 24 credits are for the MTech Thesis.

Here the further restrictions on the course structure for two-year MTechs:

1. A minimum of 6 credits need to be completed within the first two semesters, from each of the three categories: **Theory**, **Systems**, and **Data Science**. Please refer to [this document](#) (column H) for the categorization of existing PG courses offered by CSE. Also, these credits may be counted towards the Core electives requirement.
2. In each of the first two semesters, a minimum of 9 credits need to be completed and a maximum of 15 credits can be registered for.
3. Only graduate level courses offered by the CSE department can be counted towards the Core electives requirement.
4. In case a student desires to count a non-graduate level course offered by CSE, or a course not offered by CSE, towards the core electives requirement, then the student needs to formally apply for an exception to DPGC along with an appropriate and detailed justification, and include a recommendation from his thesis advisor, or any other CSE faculty in case the advisor is not allocated. The DPGC is the approval authority in this matter; however, the DPGC cannot approve such an exception for more than three credits for the same student in case of non-CSE courses, and for more than nine credits in case of non-graduate CSE courses. In case the student wishes to count such exceptions towards the 6 credit requirement in the three categories, then he/she should further justify why it belongs to a particular category. The DPGC may approve the exception along with categorization or the exception alone.

Below is the overall course structure for **three-year MTech program (RA)**:

Course No	Course Name	Number of Credits	Semester
CS6013	Advanced Data Structures & Algorithms	3	I,II
CSxxxx	Core Electives (see notes)	21	I,II,III,IV

Courses total to 24 credits, while 24 credits are for the MTech Thesis.

Here the further restrictions on the course structure for three-year MTechs:

5. A minimum of 6 credits need to be completed within the first four semesters, from each of the three categories: **Theory, Systems, and Data Science**. Please refer to [this document](#) (column H) for the categorization of existing PG courses offered by CSE. Also, these credits may be counted towards the Core electives requirement.
6. In each of the first four semesters, a minimum of 3 credits need to be completed and a maximum of 12 credits can be registered for.
7. Only graduate level courses offered by the CSE department can be counted towards the Core electives requirement.
8. In case a student desires to count a non-graduate level course offered by CSE, or a course not offered by CSE, towards the core electives requirement, then the student needs to formally apply for an exception to DPGC along with an appropriate and detailed justification, and include a recommendation from his thesis advisor, or any other CSE faculty in case the advisor is not allocated. The DPGC is the approval authority in this matter; however, the DPGC cannot approve such an exception for more than three credits for the same student in case of non-CSE courses, and for more than nine credits in case of non-graduate CSE courses. In case the student wishes to count such exceptions towards the 6 credit requirement in the three categories, then he/she should further justify why it belongs to a particular category. The DPGC may approve the exception along with categorization or the exception alone.

Below is the overall PG course structure for **dual degree MTech program**:

Course No	Course Name	Number of Credits	Semester
CSxxxx	Core Electives (see notes)	12	VII,VIII,IX,X.

Courses total to 12 credits, while 24 credits are for the MTech Thesis.

Here the further restrictions on the course structure for dual degree candidates:

9. In each of the VII and VIII semesters, a maximum of 6 credits can be registered for.
10. Only graduate level courses offered by the CSE department can be counted towards the Core electives requirement.
11. In case a student desires to count a course not offered by CSE, towards the core electives requirement, then the student needs to formally apply for an exception to DPGC along with an appropriate and detailed justification, and include a recommendation from his thesis advisor, or any other CSE faculty in case the advisor is not allocated. The DPGC is the approval authority in this matter; however, the DPGC cannot approve such an exception for more than three credits for the same student.
12. These 12 credits cannot be used for any other degree requirement if the student decides to drop his dual degree program. Needless to say, the credits done for his UG requirement cannot be double counted towards the PG requirement of 12 credits.