Department of Computer Science and Engineering, IIT Delhi
M. Tech. in CSE with Advanced Standing

26 September 2018

Students at IIT Delhi pursuing a B. Tech. programme in *any* discipline have the option of obtaining an M. Tech. in Computer Science (Programme code: MCS) by investing an additional 2-3 semesters after the end of their B. Tech. programme.

Application Procedure

Interested **3rd year B. Tech. students** should send their applications to the Academic Section by the deadline specified in the notice circulated to them. Only those students who have completed a minimum of **12 credits of CS courses** (*excluding the COL100 course*) and have secured a **GPA of at least 7.5 in the best (>= 12) CS course credits** (*excluding COL100*) are eligible for consideration. In addition, at the point of applying, the students should have completed or be registered for credit in the following courses: (* This listing of courses is not to be interpreted as their being equivalent).

• A course in Discrete Mathematical Structures (COL202 or MTL180)*

• A course in Probability, Statistics and Stochastic Processes (MTL 106 or MTL 108)*

• A course in Computer Architecture (COL216 or the combination of ELL305+ELP305)*

Eligible candidates will be contacted for an **interview** and the admission decision will be announced soon after.

Credit Waiver

The MCS programme requires students to complete 48-54 credits. Students admitted under this scheme can obtain a **waiver** of up to **16 credits**, thus enabling them to finish the MCS credit requirement in 2-3 additional semesters. Students admitted into the programme may begin taking courses that count towards their M. Tech. in CSE (Programme code MCS) requirements on being informed about their admission.

To obtain a waiver for a course the student should have either registered for that course or a permissible substitute course with at least the minimum grade as specified in the Table below. Students admitted under this scheme should apply for credit waiver by May 31 of their final year in their B. Tech. programme.

Course Category	Course number	Substitute course for waiver	Minimum grade needed for waiver
Program core	COL702 (Advanced Data Structures)	COL351 (Analysis and Design of Algorithms)	B
Program core	COL765 (Logic and Functional Programming)	COL226 (Programming Languages)	B
Program core	COP701 (Software Systems Laboratory)	COP290 (Design Practices)	B
Bridge Elective	CSL633 (Resource Management in Computer Systems)	CSL331 (Operating Systems)	C
Bridge Elective	COL632 (Introduction to Database Systems)	COL362 (Introduction to Database Management Systems)	C
Bridge Elective	COL671 (Principles of Artificial Intelligence)	COL333 (Principles of Artificial Intelligence)	C
Bridge Elective	CSL672	COL334 (Computer Networks)	C

M. Tech. Project

The M. Tech. project in the CSE department is a 3-semester project and begins with a Minor Project (COD891). Students who plan to complete the MCS requirements in an additional 2 semesters should therefore complete the Minor Project (with a member of the CS faculty) by the final semester of their B. Tech. programme. All students doing an M. Tech. project are also required to spend one summer semester on the project.

Teaching Assistantship

Students admitted under this scheme can be provided a Teaching Assistantship only if:
● they register for at most 18 credits in the semester, and
● they have secured a CGPA of at least 8.0 in their B. Tech. programme.