

1. Preamble for Choice-Based Credit System (CBCS):

Programme – Refers to degree for which student is enrolled. Ex. B. Tech. (Chemical Engineering), 5-year Integrated M. Tech. (Medical Nanotechnology)

Courses - Refer to the subjects that a candidate studies in pursuit of degree

2. CBCS at SASTRA

SASTRA University follows Choice-Based Credit System for its B. Tech. and 5-year Integrated M. Tech. programmes. Every student enrolled in B. Tech. degree programme is required to earn 234 credits spread over 8 semesters, while those enrolled in 5-year Integrated M. Tech. programmes are required to earn 279 credits spread over 10 semesters.

Each course offered at SASTRA University is given a L-T-P structure, depending on the number of lecture periods (L), number of tutorial periods (T) and number of periods for practicals (P) required per week for an efficient pedagogy and interactive, student-centric learning. A student is expected to put-in his own efforts in proportion with periods spent in classroom, as defined in L-T-P structure. Accordingly, a student successfully completing a course is said to have earned a specified number of credits defined for each course.

2.1 Classification of courses:

Courses are classified as Core Courses, Department Electives and Open Electives.

Core Courses: These are the ones that are essential for a student pursuing a particular programme to acquire necessary knowledge, technical & soft skills and training in chosen field of study. There are no options available to students with respect to choice of core courses.

Core courses are offered from Semester – I to Semester – VII.

Core courses on Humanities & Sciences, Basic Engineering and Object-Oriented Programming are offered during the first year. Most of these courses are common irrespective of branch of study.

Core courses offered from Semester – III to Semester – VII are specific for a particular branch of study, meant to impart methodological learning and practice. Courses to improve the soft skills are also part of core courses.

Department Elective Courses:

These are the courses dealing with various aspects of application or new development or both related to the chosen branch of study. Proper choice of department elective courses over the Semesters III to Semester VII can lead to students specializing in an emerging area within the chosen field of study.

Open Elective Courses:

These are courses offered across all disciplines of SASTRA including arts, literature, science & management and are interdisciplinary in nature. Students across all disciplines are eligible to study these courses. There will be a pool of courses for the students to choose from, under this category.

2.2 Distribution of Credits

The semester-wise distribution of credits to be earned by a student pursuing B. Tech. degree is given below:

Semester	Nature of course	Credits to be earned
I & II	Core & Department Electives	65
III - VII	Core & Department Electives	148
VIII	Open Electives & Project work	21
Total		234

The course-wise distribution of credits to be earned by a B. Tech. student during Semesters III to VII is given below:

Nature of course	Credits to be earned
Core	109-117
Department Electives	28-36
Open Electives	12
Project	09
HR Skills	04

The semester-wise distribution of credits to be earned by a student pursuing 5-year integrated M. Tech. degree is given below:

Semester	Nature of course	Credits to be earned
I & II	Core & Department Electives	65
III - IX	Core & Department Electives	202
X	Project work	12
Total		279

The course-wise distribution of credits to be earned by a B. Tech. student during Semesters III to VII is given below:

Nature of course	Credits to be earned
Core	109-117
Department Electives	28-36
Open Electives	12
Project	09
HR Skills	04

The course-wise distribution of credits to be earned by a 5-year Integrated M. Tech. student during Semesters III to IX is given below:

Nature of course	Credits to be earned
Core	138-146
Department Electives	52-60
Project	12
HR Skills	04

2.3 Accelerated Course Registration System:

SASTRA University provides unique opportunity to students for completing the course work within even semesters, thereby enabling them to utilize eighth semester solely for project work. Students without any history of arrears can study open elective courses that are offered after regular class hours (after 5 pm.) from semesters IV to semesters VII, thereby satisfying the credit requirement for core, department electives and open electives within seven semesters.

The full eighth semester available can be utilized to undergo internship in industries, or to carry out research projects in reputed laboratories or for Semester Abroad Programme (SAP).