

Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat

Department of Mathematics

Bachelor of Technology in Mathematics and Computing (MaC)

Sr. No.	Subject	Code	Scheme L-T-P	Credits (Min.)	Notional hours of Learning (Approx.)
Third Semester (2nd year of B.Tech. MaC)					
1	Element of Analysis	MA201	3-1-0	4	70
2	Discrete Mathematics for Computing	MA207	3-1-0	4	70
3	Data Structure and algorithm	MA233	3-0-2	4	85
4	Elective-I	MA2AA	3-0-1/ 3-0-2	4	70/85
5	Database Management System	MA/CS/AI2XX	3-0-2	4	85
			Total	20	380/395
Fourth Semester (2nd year of B.Tech. MaC)					
1	Numerical Analysis	MA202	3-1-0	4	70
2	Computational Linear Algebra	MA206	3-1-0	4	70
3	Elementary Number theory	MA234	3-1-0	4	70
4	Elective-II	MA/CS/AI2AA	3-0-1/ 3-0-2	4	70/85
5	Design and Analysis of Algorithms	MA236	3-0-2	4	85
			Total	20	365/380
6	Mathematical Software-II/ Mini project-I Vocational Training / Professional Experience (Optional) (mandatory for exit)	MAV04 / MAP04	0-0-10	5	200 (20 x 10)

Subject Code:##nXX; ##: Department Identity, n: Year, XX: Subject Sequence number XX: last digit 0 (subject offered in both ODD and EVEN semesters, XX: 01 to 30 – last digit ODD and EVEN for ODD and EVEN semesters (Mandatory Core), XX: 31 to 50 (Optional Core), XX: 51 to 99 (Elective), Subjects list for Minor and Honor (M/H#1-4), Subjects list for Specialization track (#1-4)EG: Engineering Subject, SC: Science Subject (offered combinedly by departments) (SVNIT Surat)