

Core Mathematics Courses of BTech Programmes

Discipline	First Semester	Second Semester	Third Semester
Computer Science and Engineering	MA1301H Single Variable Calculus 3-1-0-4	MA1401H Linear Algebra 3-1-0-4	****
	MA1501H Multi Variable Calculus 3-1-0-4	MA1252 Probability and Random Processes 3	****
Electronics and Communication Engineering	MA1302H Single Variable Calculus 3-1-0-4	MA1402H Linear Algebra 3-1-0-4	MA2302H Ordinary Differential Equations 3-1-0-4
	MA1502H Multi Variable Calculus 3-1-0-4	MA1602H Complex Analysis 3-1-0-4	MA2502H Partial Differential Equations 3-1-0-4
Electronics and Electrical Engineering	MA1303H Single Variable Calculus 3-1-0-4	MA1403H Linear Algebra 3-1-0-4	MA2303H Ordinary Differential Equations 3-1-0-4
	MA1503H Multi Variable Calculus 3-1-0-4	MA1603H Complex Analysis 3-1-0-4	MA2503H Partial Differential Equations 3-1-0-4
Mechanical Engineering	MA1304H Single Variable Calculus 3-1-0-4	MA1404H Linear Algebra 3-1-0-4	****
	MA1504H Multi Variable Calculus 3-1-0-4	MA1604H Complex Analysis 3-1-0-4	****
Civil Engineering	MA1305H Single Variable Calculus 3-1-0-4	MA1405H Linear Algebra 3-1-0-4	MA2305H Ordinary Differential Equations 3-1-0-4
	MA1505H Multi Variable Calculus 3-1-0-4	****	MA2505H Partial Differential Equations 3-1-0-4
Biosciences and Bioengineering	MA1306H Single Variable Calculus 3-1-0-4	MA1406H Linear Algebra 3-1-0-4	MA2306H Ordinary Differential Equations 3-1-0-4
	MA1506H Multi Variable Calculus 3-1-0-4	****	MA2506H Partial Differential Equations 3-1-0-4
Chemical Engineering	MA1307H Single Variable Calculus 3-1-0-4	MA1407H Linear Algebra 3-1-0-4	MA2307H Ordinary Differential Equations 3-1-0-4
	MA1507H Multi Variable Calculus 3-1-0-4	****	MA2507H Partial Differential Equations 3-1-0-4
Engineering Physics	MA1308H Single Variable Calculus 3-1-0-4	MA1408H Linear Algebra 3-1-0-4	****
	MA1508H Multi Variable Calculus 3-1-0-4	MA1608H Complex Analysis 3-1-0-4	****
Chemical Science and Technology	MA1309H Single Variable Calculus 3-1-0-4	MA1409H Linear Algebra 3-1-0-4	MA2309H Ordinary Differential Equations 3-1-0-4
	MA1509H Multi Variable Calculus 3-1-0-4	MA1609H Complex Analysis 3-1-0-4	MA2509H Partial Differential Equations 3-1-0-4
Mathematics and Computing	MA1310H Single Variable Calculus 3-1-0-4	MA1410H Linear Algebra 3-1-0-4	MA2310H Ordinary Differential Equations 3-1-0-4
	MA1510H Multi Variable Calculus 3-1-0-4	MA1610H Complex Analysis 3-1-0-4	MA2510H Partial Differential Equations 3-1-0-4
	****	MA1251 Probability and Random Processes 3	****
Data Science and Artificial Intelligence	MA1311H Single Variable Calculus 3-1-0-4	MA1411H Linear Algebra 3-1-0-4	MA2311H Ordinary Differential Equations 3-1-0-4
	MA1511H Multi Variable Calculus 3-1-0-4	MA1253 Probability and Random Processes 3	MA2511H Partial Differential Equations 3-1-0-4
Energy Engineering	MA1312H Single Variable Calculus 3-1-0-4	MA1412H Linear Algebra 3-1-0-4	MA2312H Ordinary Differential Equations 3-1-0-4
	MA1512H Multi Variable Calculus 3-1-0-4	MA1612H Complex Analysis 3-1-0-4	MA2512H Partial Differential Equations 3-1-0-4

MA1251, MA1252, MA1253 are offered only for the batch of students joined BTech programme in July 2025.

For Preparatory Programme

First Semester	MA0101 Preparatory Mathematics-I 3-2-0-10
Second Semester	MA0201 Preparatory Mathematics-II 3-2-0-10