



SCHOOL OF ENGINEERING AND SCIENCES
M.Sc. in Mathematics
2023-25 Batch

MSc in Mathematics

Semester-1							
Category	Sub-Category	Course Title	L	T/D	P/Pr	Credits	Learning Hours
AEC1	University AEC	Community Engagement and Social Responsibility	0	0	0	1*	0
VAC1	University VAC	Effective Communication for Impactful Interviews	2	0	0	2	60
SEC1	School SEC	Introduction to R and Python	1	1	1	3	90
CORE	Department	Linear Algebra	3	0	0	3	90
CORE	Department	Algebra	3	1	0	4	120
CORE	Department	Real Analysis	3	1	0	4	120
CORE	Department	Programming using C and Octave/Matlab	2	0	2(P)	3	90
FIC	School	Data Science for Beginners	3	0	0	3	90
Semester Total						23	690
Semester-2							
Category	Sub-Category	Course Title	L	T/D	P/Pr	Credits	Learning Hours
AEC2	University AEC	Community Engagement and Social Responsibility	0	0	0	1*	0
VAC2	University VAC	Entrepreneurial Mindset	2	0	0	2	60
SEC2	School SEC	Research Design and Methods	0	0	2	2	60
Specialization Elective	Department	DSIM / Pure / Applied Elective 1	3	0	0	3	90
Specialization Elective	Department	DSIM / Pure / Applied Elective 2	3	0	0	3	90
Core	Department	Ordinary Differential Equations	3	1	0	4	120
Core	Department	Probability and Statistics	3	0	0	3	90
FIC	University	Design Thinking	3	0	0	3	90
Semester Total						21	630
Category	Sub-Category	Course Title	L	T/D	P/Pr	Credits	Learning Hours
RDIP	Department	Summer Internship (Industry)	0	0	2	2	60

Semester-3							
Category	Sub-Category	Course Title	L	T/D	P/Pr	Credits	Learning Hours
AEC3	School AEC	Research Seminar	0	0	0	1*	
Core	Department	Numerical Methods and Analysis	3	0	0	3	90
Core	Department	Partial Differential Equations and Calculus of Variations	3	0	0	3	90
Specialization Elective	Department	DSIM / Pure / Applied Elective 3	3	0	0	3	90
Specialization Elective	Department	DSIM / Pure / Applied Elective 4	3	0	0	3	90
Specialization Elective	Department	DSIM / Pure / Applied Elective 5	3	0	0	3	90
FIC	School		3	0	0	3	90
RDIP	Internship / Research / Thesis	Project 1	0	0	3	3	90
Semester Total						22	660
Semester-4							
Category	Sub-Category	Course Title	L	T/D	P/Pr	Credits	Learning Hours
RDIP	Internship / Research / Thesis	Project 2	0	0	14	14	420
Semester Total						14	420