Category-Wise Academic Structure for M.Sc.(Mathematics) with B.E.(E&E)

Student ID No.	2022B4A31042G
Student Name	Sparsh Upadhyay

Category	No. of Courses			No. of Units		
	R*	C*	P*	R*	C*	P*
(I) General Institutional Requirement						
Engineering Foundation	2	2	0	6	6	0
General Awareness / Professional Courses	2	2	0	6	6	0
Humanities Electives	3	2	1	8	6	2
Mathematics Foundation	4	4	0	12	12	0
Science Foundation	6	6	0	12	12	0
Technical Arts	4	4	0	10	10	0
Sub-Total	**21**	**20**	**1**	**54**	**52**	**2**
(II) Discipline Requirement						
Core	27	22	5	87	69	18
B4 Elective	5	2	3	15	7	8
A3 Elective	4	0	4	12	0	12
Sub-Total	**36**	**24**	**12**	**114**	**76**	**38**
Course-Work Sub-Total	**57**	**44**	**13**	**168**	**128**	**40**
(III) B4 Practice School/Thesis						
PS-I	1	1	0	5	5	0
PS-II/Thesis	1	0	1	20	0	20
(IV) A3 Practice School/Thesis						
PS-II/Thesis	1	0	1	20	0	20
Total	**60**	**45**	**15**	**213**	**133**	**80**

*Note: R- Required, C- Completed, P- Pending

The following courses are needed to meet the General Institutional Requirement:

Engineering Foundation - Electrical Sciences and Thermodynamics for all programs except A5. For A5 program, it is Thermodynamics and Process Engineering

General Awareness / Professional Courses - Principles of Economics or Principles of Management and Environmental Studies

Mathematics Foundation - Mathematics I, Mathematics II and Mathematics III for all programs except A5. For A5 program, Mathematics I, Mathematics II and Mathematics III may replace General Mathematics I, General Mathematics II and General Mathematics III (A student must pursue all three courses in one sequence only)

Science Foundation - General Biology, Biology Laboratory, General Chemistry, Chemistry Laboratory, Mechanics, Oscillations and Waves and Physics Laboratory for all programs except A5. For A5 program, General Physics may replace Mechanics, Oscillations and Waves

Technical Arts - Computer Programming, Workshop Practice, Engineering Graphics and Technical Report Writing

For the list of courses under Humanities Electives, Discipline Core and Electives, refer to the latest bulletin.

For any queries, please contact AUGSD Office.   Report generated on 15-Jul-2025