Loyola Academy Degree and PG College
M.Sc. Data Science (2026-27) of Batch 2026-28(Choice Based Credit System)

Year	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Course-7		Hours	Credits	
I	I	*Communicate Competence(2) (AEC-1)	*Technical Seminar and Report Writing(2) (SEC-1)	Mathematics for Data Science (4) (DSC1)	Artificial Intelligence (4) (DSC2)	Probability & Distribution Theory, Data Visualization using PowerBI Lab (4+2) (DSC3)	Python for Data science (4+2) (DSC4)	Machine Learning (4+2) (DSC5)	*PLANET (Community Work)	36	26	AEC=1 SEC=1 DSC=5 PLANET =1
I	II	*Human Values and Professional Ethics(2) (AEC-2)	*Advanced Excel(2) (SEC-2)	(GE-InterDisciplinary -1) Design and Analysis of Algorithms (4)	Elective-I Cloud Computing / Social Media Analytics/Web Analytics (DSE-I)(4)	Regression Analysis & Statistical Inference (4+2) (DSC6)	Advanced Databases (4+2) (DSC7)	Deep Learning (4+2) (DSC8)	36		26	AEC=1 SEC=1 ID=1 DSE=1 DSC=3
II	III	*Soft Skills(Interview Skills, Group discussion) (2) (AEC-3)	Mini Project Seminar (2) (SEC-3)	Agentic AI(4) (DSC9)	Elective-II Quantum Computing/ Reinforcement Learning /Scalable Architectures for ML Applications (DSE-II) (4)	Big Data Analytics Through Hadoop (4+2) (DSC10)	Natural Language Processing (4+2) (DSC11)	Computer Vision (4+2) (DSC12)	36		28	AEC=1 SEC=1 DSE=1 DSC=4
II	IV		Dissertation (15 weeks)						36		12	
			Legend: 1. Ability Enhancement Course (AEC) : 03 2. Interdisciplinary Elective : 01 3. Skill Enhancement Course (SEC) : 03 4. Disciple Specific Core : 12 5. Discipline-Specific Elective (DSE) : 02 6. Planet (Community Work) :01 *AEC is excluded for SGPA and CGPA calculation but it is compulsory to pass in the examination. Planet Program, 1 credit added in 1st semester(Non-CGPA), #At the end of Second Semester students will take a one-month summer project of 2 credits.							Total	**144**	**92**	

Categories of Courses and Credits

Abbreviation	Full Form	Credits	Abbreviation	Full Form	Credits
AEC	Ability Enhancement Course	06*	Practical	Practical Core Course	18
ID	Interdisciplinary Elective	04	Dissertation	Dissertation	12
SEC	Skill Enhancement Course	04* 2			
DSE	Discipline-Specific Elective	08			
PLANET	*PLANET (Community Work	01*			
DSC	Disciple Specific Core	48			
Total Credits		92			

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