

Loyola Academy (DEGREE & PG COLLEGE)

B.Sc. Computer Science and Engineering -2025-2028-NEW

(Choice-Based Credit System)

Year	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6		Hours	Credits		
I	I	General English-I (3) (AECC-1)	Value Education and Personality Development (2) (AECC-2)	Digital Logic and Design and Computer Organization (4+1) (DSC-1)	Differential Equations and Elementary Number Theory (4) (DSC-2)	Operating Systems (4+1) (DSC-3)	Problem Solving and Programming in C (4+1) (DSC-4)		30	24	AECC=2 DSC=4	
	II	General English-II (3) (AECC-3)	Indian Heritage and Culture (2) (AECC-4)	Engineering Drawing and Engineering Workshop (4) (DSC-5)	Matrices and Vector Calculus (4) (DSC-6)	Web Technologies (4+1) (DSC-7)	Data Structures with C (4+1) (DSC-8)		30	23	AECC=2 DSC=4	
II	III	Environmental Studies and Gender Sensitization (3) (AECC-5)	PC Operating Systems GE-1* (2+1)	Database Management System (4+1) (DSC-9)	Probability and Statistics (4) (DSC-10)	Java Programming (4+1) (DSC-11)	Computer Networks (2) (SEC-1)		30	22	AECC=1 GE=1 SEC=1 DSC=3	
	IV	Discrete Mathematics (4) (DSC-12)	Software Engineering (3+1) (DSC-13)	Machine learning (4+1) (DSC-14)	Python Programming (4+1) (DSC-15)	Advanced Java (4+1) (DSC-16)	UI/UX (2) (SEC-2)	Internship /Mini project(1) (SEC-3)	30	26	SEC=1 DSC=5 Mini project=1	
III	V	Software Testing and Quality/ Software Process management (4) (DSE-1)	Power BI/ Data visualization tools (4+1) (DSE-2)	Full Stack Development (4+1) (DSC-17)	Operations Research (4) (DSC-18)	Deep Learning (4) (DSC-19)	Data engineering through python (4+1) (DSC-20)		30	27	DSE=2 DSC=4	
	VI	Artificial Intelligence/ Block chain Technologies (4)(DSE-3)	Cloud Computing/ Data Mining(4) (DSE-4)	Big data Analytics (4+1) (DSC-21)	MAJOR PROJECT(6) (DSE-5)				30	19	DSE=2 DSC=1 PROJEC T=1	
Legend:												
1. Ability Enhancement Compulsory Course (AECC) : 05												
2. Generic Elective (GE) : 01												
3. Skill Enhancement Course (SEC) : 03												
4. Discipline-Specific Course(DSC) : 21												
5. Discipline-Specific Elective (DSE) : 05												
							Total			180	141	

6. PC Operating Systems*

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