

LOYOLA ACADEMY, OLD ALWAL, SECUNDERABAD 500 010 TS

B.Sc. Chemical Technology (2021-24) (Choice-Based Credit System) w.e.f 2021-22

Year	Sem	Course-I	Course-II	Course-III	Course-IV	Course-V	Course-VI	Course-VII	Hours	Credits		
I	I	General English-I (3) (Ability Enhancement Compulsory Course) AECC-1	Value Education and Personality Development (2) AECC-2	Mathematics-I (3) Generic Elective-1	Engineering Graphics (0+2) SEC-1	Chemistry-I (4+1) Core 1	Physics-I (3+1) Core 2	--	30	19	AECC = 2 GE = 1 SEC = 1 CORE = 2	
	II	General English-II (3) AECC-3	Indian Heritage and Culture (2) AECC-4	Workshop (0+2) SEC-2	Chemistry-II (4+1) Core 3	Physics-II (3+1) Core 4	Mathematics-II (3) Generic Elective-2	--	29	19	AECC = 2 GE = 1 SEC = 1 CORE = 2	
II	III	Inter-Disciplinary course (ID) (2+1) Generic Elective-3	Mathematics-III (3) (Numerical Analysis) Generic Elective-4	Chemistry-III (4+1) Core 5	Physics-III (4+1) Core 6	CPP (4) Core 7	CT-I (4) Core 8	--	30	24	GE = 2 CORE = 4	
	IV	Environmental Studies & Gender Sensitization (3) AECC-5	Mathematics-IV (4) (Group theory & Fourier series) Generic Elective-5	Chemistry-IV (4+1) Core 9	Physics-IV (4+1) Core 10	FM (4+1) Core 11	IPC (4) Core 12	--	29	26	AECC = 1 GE = 1 CORE = 4	
III	V	MTO-I (4) Core 13	HT (4+1) Core 14	CT-II (4+1) Core 15	Chemistry-V (4+1) Core 16	MUO (4+1) Core 17	Mathematical Statics / IM (4) DSE-1	Project (6) DSE-2	34 (29+5 Zero Hours)	34	CORE = 5 DSE = 2	
	VI	MTO-II (4+1) Core 18	CT-III (4) Core 19	CRE (4+1) Core 20	EE & S (4) SEC-3	NCES / RT (4) DSE-3	Pesticide Chemistry / OSCT (4) DSE-4	--	29	26	SEC = 1 CORE = 3 DSE = 2	
Legend:		1. Ability Enhancement Compulsory Course : 05			2. Generic Elective : 05			3. Skill Enhancement Course : 03				
		4. Core : 20			5. Discipline Specific Elective : 04			6. Inter-Disciplinary Course (Solar Processing Technologies) : 01				
							Total		181	148		

Suchitra

Jonny

SK. Zaka Hussain
(HOD-CT)

(Dean, Academics)

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)	Engineering Physics (4+1) (GE-1)	Mathematics- I (4) (Core-1)	Electronic Devices and Circuits (4+1)(Core-2)	Problem Solving and Programming in C (4+1) (Core-3)	29	24	AECC=2 GE=1 CORE=3	
	II	General English-II (3) (AECC-3)	Indian Heritage and Culture (2) (AECC-4)	Engineering Drawing and Engineering Workshop (3) (SEC-1)	Mathematics- II (4) (Core-4)	Logic and Digital Circuits (4+1) (Core-5)	C++ and Data structures (4+1) (Core-6)	29	22	AECC=2 SEC=1 CORE=3	
II	III	Environmental Studies and Gender Sensitization (3) (AECC-5)	GE-2* (2+1)(ID)	Operating Systems (4+1) (Core-7)	ECM (4+1) (Core-8)	Object Oriented Programming through Java (4+1) (Core-9)	Discrete Mathematics(4) (Core-10)	30	25	AECC=1 GE=1 CORE=4	
	IV	Probability and Statistics (4) (GE-3)	Computer Organization (3) (Core-11)	DBMS (4+1) (Core-12)	Web Technologies (3+1) (Core-13)	Micro Processors and Microcontrollers. (3+1) (Core-14)	Object Oriented Systems Development (4+1) (Core-15)	29	25	GE=1 CORE=5	
III	V	Software Testing and Quality/ Software Engineering(4) (DSE-1)	Operations Research (4) (GE-4)	Mobile application Development (4+1) (SEC-2)	Big data Analytics (3+1) (SEC-3)	Computer Networks (4) (Core-16)	Advanced Java (4+1) (Core-17)	29	26	DSE=1 GE=1 SEC=2 CORE=2	
	VI	(Artificial Intelligence/ Block chain Technologies (4) (DSE-2)	Cloud Computing/ Data Mining(4) (DSE-3)	Python Programming (4+1) (Core-18)	MAJOR PROJECT(6) (DSE-4)			29	19	DSE=3 CORE=1 PROJECT=1	
Legend:								Total	175	141	
1. Ability Enhancement Compulsory Course (AECC) : 05											
2. Generic Elective (GE) : 04											
3. Skill Enhancement Course (SEC) : 03											
4. Core : 18											
5. Discipline-Specific Elective (DSE) : 04											
6. PC Operating Systems*											

HEAD

Department of

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Osmania University

College of Engineering,

Hyderabad-500 007,

PRINCIPAL

LOYOLA ACADEMY


OLD ALMAL, SECUNDERABAD-500 010

TELANGANA, INDIA

LOYOLA ACADEMY DEGREE & PG COLLEGE, ALWAL, SECUNDERABAD 500 010 TS

B.Sc. (Hons) AGRICULTURAL SCIENCE & RURAL DEVELOPMENT (2022-26) (Choice-Based Credit System)

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8	Course 9	Course 10	Hr	Cr	
1	General English-1 (3+0) (AECC-1)	VE & PD (2+0) (AECC-2)	Ag. Her. & Fund. of Agronomy (2+1) (Core-1)	Fund. Of Gen. (2+1) (Core-2)	Fund. Of CropPhysio (1+1) (Core-3)	Intro. to Pl.Pathogens (2+1) (Core-4)	Find. Of Agri.Economics(2+0) (Core-5)	Fund. Of Horticulture (1+1) (Core-6)	Rural socio. & Edu. Psych.(2+0) (Core-7)	Elementary Mathematics (2+0) (SEC-1)	29	24	AECC=2 Core= 7 SEC= 1
2	General English-2 (3+0) (AECC-3)	IC (2+0) (AECC-4)	Meteorology& Climate change (1+1) (Core-8)	Intro. to Forestry (1+1) (Core-9)	Ag.Microbiology (1+1) (GE-1)	Fund of Ent-1(2+1) (Core-10)	Fund. Of Soil Sc. (2+1) (Core-11)	Soil & Water Cons.Engg. (1+1) (Core-12)	Agri-Informatics (1+1) (SEC-2)	Fund. Of Pl. BioChem& Biotech(2+1) (Core-13)	32	24	AECC=2 Core= 6 GE=1
3	Generic Elective(2+1) (GE-2)	Crop Prod. Tech. 1 (2+1) (Core -14)	Water Mgmt. (1+1) (Core-15)	Fund. of Pl. Breeding (2+1) (Core-16)	Insect Ecology & IPM(1+1) (Core-17)	Farm Mgmt. &Prod.Economics(2+1) (Core-18)	Farm Power& Machinery (1+1) (SEC -2)	Prin.of Food Sc.& Nutrition (2+0) (Core-19)	Prod. Tech. of Veg& Spices (1+1) (Core-20)	Practical Crop Prod -I(0+1) (SEC-3)	32	22	GE=1 Core=7 SEC=2
4	Env. Sci. (3+0) (AECC-5)	Crop Prod. Tech. -2 (2+1) (Core-21)	Prin. Of Seed Sc.& IPR(2+1) (Core-22)	Manures, Fert. & SFM (2+1) (Core-23)	Princ. of Pl. Path.(2+0) (Core-24)	Ag. Finance, Cooperation& Marketin(2+1) (Core-25)	Orn.Crops , Med&Aro.. Pl.&Landsci 1+1)(Core26)	Statistical Methods (1+1) (SEC-4)	Fund. Of Ag. Extn. (2+1) (Core-27)	Micropropagation/ ABM (2+1) (DSE-1)	35	27	AECC=1 Core=7 SEC=1 DSE=1
5	RainfedAgri. & Watershed Mng(1+1) (Core-28)	Crop Improvement (2+1) (Core-29)	Ent.Devpt.& Busi. Comm. (1+1) (Core-30)	Diseases of Field crops &Mng(2+1) (Core-31)	IPDM(1+1) (Core-32)	Prod. Tech. Of Fruits & Plan.Crops(1+1) (Core-33)	Pests of Crops & stored grains(2+1) (Core-34)	Problematic Soils & their Mngt(1+1) (SEC-5)	Renewable Energy & Green Tech. (1+1) (SEC-6)	Weed Sc./ Soil, Plant, Water & SeedTesting (2+1) (DSE-2)	34	24	Core=7 SEC=2 DSE=1
6	Farming Sys & Org. Far (2+1) (Core-35)	Geo Info, NanoTech. & Prec. Far(1+1) (Core-36)	Practical Crop Prod -II(0+1) (SEC-7)	Mngt. of Beneficial Insects (1+1) (Core-37)	Protected Cultivation & Sec. Agri (1+1) (SEC-8)	Livestock & Poultry Mgmt. (2+1) (SEC-9)	Diseases of Hort. Crops (2+1) (Core-38)	Value Add. Of Fruits & Veg. (1+1) (SEC-10)	Comm. Skills & PD (1+1) (SEC-11)	Agri Chem / Comm. Pl. Breeding (2+1) (DSE-3)	33	23	Core=4 SEC=5 DSE=1
7	Rural Awareness Works Experience (SEC-12)					Agro-Industrial Attachment (DSE-4)							
8	Ag. Experiential Learning Programme (SEC-13)					Ag. Experiential Learning Programme (SEC-14)					36	20	SEC=5 DSE=1
Total	Legend: 1. Ability Enhancement Compulsory Course: 05 2. Generic Elective:02 3. Skill Enhancement Course:18 4. Core:38 5.Discipline Specific Elective:04										267	184	SEC=2


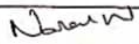

P. K. MALAKAR
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LOYOLA ACADEMY DEGREE & PG COLLEGE, ALWAL SECUNDERABAD

B.Com.(Honours) (2022-2025) (Choice-Based Credit System)

Semester	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6		Hours	Credits		
I	Business English-I (3) AECC-1	Indian Heritage & Culture (2) AECC-2	Business Organization and Management (4+1) 5	Financial Accounting –I (4+1)	Fundamentals of Business Mathematics (5)	Fundamentals of Information Technology (4+2)		28	25	AECC-2 SEC-1 CORE-3	
II	Business English-II (3) AECC-3	Value Education & Personality Development (2) AECC-4	Company law - I (4+1)	Banking and Financial Services (4+1)	Managerial Economics (4+1) CORE-4	Financial Accounting-II (4+1)		29	25	GE-1 AECC-2 CORE-2 SEC-1	
III	Inter Disciplinary (GE) (2+1)	Communication Skills /Professional Skills (2)	E-Commerce (2)	Company Law – II (4+1)	Advanced Accounting (5)	Business Statistics (5)	Direct Taxes (5)	29	27	GE-1 SEC-1 CORE-3 ID - 1	
IV	Environmental Science (3) AECC-5	Leadership and Management Skills / Human Values	Foundation of Digital Marketing and Web Design(2)	Advanced Aspects of Income Tax (5)	Corporate Accounting (5)	Business Statistics-II (5)	GST Theory and Practice of GST(4+1)	29	27	GE-1 AECC-1 CORE-4	
V	Auditing (5)	Excel Foundation (2+1)	a) Advanced Corporate Accounting b) Financial Planning and Performance c) International Financial Reporting-I (5)	a) Cost Accounting and Control - I b) Accounting for Management – I c) International Tax & Regulation (5)	a) Financial Management - I b) Investment Instruments c) Investment Industry-I (5)	a) Marketing Management b) Project and Relationship Management c) International Auditing (5)		29	28	SEC-1 CORE-3 DSE-2	
VI	Organisational Behaviour (3)	Business Research and Project Report writing (2+2)	a) Financial Markets and Institutions b) Human Resource Management c) International Financial Reporting-II (5)	a) Cost Accounting and Control-II b) Accounting for Management -II c) International Finance (5)	a) Financial Management - II b) Strategic Management c) Investment Industry-II (5)	a) International Marketing b) Accounting Standards c) Business Applications of Emerging Technologies (5)		29	27	CORE-3 DSE-2	
Legend:											
1. Ability Enhancement Compulsory Course (AECC) : 05											
2. Generic Elective (GE) : 02											
3.Skill Enhancement Course (SEC) : 04											
4.Core : 18											
5.Discipline – Specific Elective (DSE) : 08											
6.Inter Disciplinary(GE) #Taxation : 01											
							Total		173	159+1(Plannet)= 160	

B.Sc. Computer Science and Information Technology [PROPOSED] for batch 2022-25 of AY 2023-24

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 & Personality Development (2) (AECC-2)	Engineering Drawing and Engineering Workshop (3) (SEC-1)	Mathematics-I (4) (Core-1)	Electronic Devices and Circuits (4+1) (Core-2)	Problem Solving and Programming in C (4+1) (Core-3)	29	22	AECC=2 SEC=1 CORE=3	
	II	General English-II(3) (AECC-3)	Indian Heritage and Culture (2) (AECC-4)	Engineering Physics (4+1) (GE-1)	Mathematics-II (4) (Core-4)	Logic and Digital Circuits (4+1) (Core-5)	C++ and Data Structures (4+1) (Core-6)	29	24	AECC=2 GE=1 CORE=3	
II	III	Environmental Studies & Gender Sensitization (3) (AECC-5)	(2+1) (GE-2)*	Principles of Information Security (4+1) (SEC-2)	Discrete Mathematics (4) (Core-7)	Computer Networks (4+1) (Core-8)	Java Programming (4+1) (Core-9)	30	25	AECC=1 GE=1 SFC=1 CORE=3	
	IV	Probability and Statistics (4) (GE-3)	Ethical Hacking (4+1) (SEC-3)	Computer Organization (3) (Core-10)	Operating Systems (4+1) (Core-11)	Microprocessors & Microcontrollers (3+1) (Core-12)	Python Programming (3+1) (Core-13)	29	25	GE=1 SEC=1 CORE=4	
III	V	Infrastructure security/ Computer Forensics (4) (DSE-1)	Web Programming Lab (2) (SEC-4)	Linux Administration (4+1) (Core-14)	Data Base Management Systems (4+1) (Core-14)	Machine Learning (4+1) (Core-15)	Software Engineering (4) (Core-16)	29	26	DSE=1 SEC=1 CORE=4	
	VI	IoT/ Distributed Systems and Cloud Computing(4) (DSE-2)	Web Application Testing/ Python Scripting(4+1)(DSE-3)	Cryptography and Network Security(4) (Core-18)	Project Work (6) (DSE-4)			29	19	DSE=3 CORE=1	
								total	175	141	
Legend: 1. Ability Enhancement Compulsory Course (AECC) 2. Generic Elective (GE) 3. Skill Enhancement Course (SEC) 4. Core 5. Discipline-Specific Elective (DSE) *PC Hardware and Software Installation				: 05 : 03 : 04 : 18 : 04	PROFESSOR Department of Computer Science & Engineering University College of Engineering (A) Osmania University Hyderabad-500 007.			 			



LOYOLA ACADEMY
Degree & PG College

B.Sc. Biotechnology. Genetics & Chemistry (2022-26 Batch) (I & II semesters)
(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 & Personality Development (2) (AECC-2)	Cell & molecular Biology (4+1) (GE-1)	Genetic Analysis (4+1) (Core-1)	Biochemistry and metabolism (4+1) (Core-2)	Chemistry (5+1) (Core-3)	30	26	AECC-2 GE-1 Core-3	
I	II	General English-II(3) (AECC-3)	Indian Heritage & Culture (2) (AECC-4)	Molecular genetics (5)(GE-2)	Microbial Biotechnology (4+1) (Core-4)	Immunology (4+1) (Core-5)	Chemistry-II (5+1) (Core-6)	29	26	AECC-2 GE-1 Core-3	
II	III	Environmental studies & Gender Sensitization (3) (AECC-5)	Medical Lab Technology (2+1) (GE-3)	Biochemical Techniques (4) (SEC-1)	Plant Biotechnology (4+1) (Core-7)	Recombinant DNA Technology (4+1) (Core-8)	Chemistry-III (5+1) (Core-9)	30	26	AECC-1 GE-1 SEC-1 Core-3	
II	IV	Biodiversity (3) (GE-4)	Biostatistics (3+1) (SEC-2)	Agriculture Biotechnology (4+1) (Core-10)	Human Genetics (4+1) (Core-11)	Medical Biotechnology (3) (Core-12)	Chemistry-IV (4+1) (Core-13)	29	25	SEC-1 GE-1 Core-4	
III	V	Toxicology/stem cell biology (3) (DSE-1)	Environmental Biotechnology/ Food Biotechnology (3) (DSE-2)	Bioinformatics (3+1) (GE-5)	Animal Biotechnology (4+1) (Core-14)	Bioprocess & Fermentation Technology (4+1) (Core-15)	Chemistry-V (4+1) (Core-16)	29	26	GE-1 DSE-2 Core-3	
III	VI	Fundamental of Genomics & Proteomics, Enzyme Technology (4+1) (DSE-3)	IPR, Biosafety and Bioethics/ Fundamentals of entrepreneurship (4)	(DSE-4) project (6)				31	15	DSE-1 Core-1 project	
Legend 1. Ability Enhancement Compulsory Course (AECC) :05 2. Generic Elective (GE) :04 3.Skill Enhancement Course (SEC) :02 4.Discipline Specific Course (DSF) :03 5. Core :17								Total	178	144	

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Next 5/5/24

Prof. Smita C. Pawar
Head & Professor
Chairperson- BoS in Biotechnology
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LOYOLA ACADEMY DEGREE & PG COLLEGE
B.Sc. FOOD TECHNOLOGY AND MANAGEMENT (2022-25) (CBCS) (new)

Yr	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Hours	Credits		
I	I	AECC-1 General English-I (3)	AECC-2 Value Education & Personality Development (2)	Core-1 Food chemistry (4+1)	Core-2 Microbiology of Food & Water (4+1)	Core-3 Technology of Food Preservation (4+1)	GE-1 Food and Nutrition (4+1)	29	25	AECC-2 GE-1 CORE-3	
I	II	AECC-3 General English-II (3)	AECC-4 Indian Heritage & Culture (2)	Core-4 Food Additives and Toxicology (4+1)	Core-5 Food Process engineering-I (5+1)	Core-6 Food Biochemistry (4+1)	GE-2 Applied Mathematics (5)	29	28	AECC=2 GE=1 CORE=3 Planet =1 Summer internship=2	
II	III	AECC-5 Environmental Studies & Gender Sensitization (3)	SEC-1 Dairy Technology (3+1)	Core-7 Food Process engineering-II (4+1)	Core-8 Technology of cereals, pulses and legumes (4+1)	Core-9 Technology of Fruits & Vegetables (4+1)	Generic Elective (IDE)-3 (2+1)	30	25	AECC=1 GE=1 SEC=1 CORE=3	
II	IV	SEC-2 Applied Statistics (3)	Core-10 Technology of Oils and Fats (4+1)	Core-11 Baking Science and Technology (4+1)	Core-12 Food Packaging (4+1)	GE-4 Technology of Animal based foods (4+1)	Core-13 Food plant sanitation and Waste management (3)	30	28	GE=1 SEC=1 CORE=4 Summer internship=2	
III	V	DSE-1 Technology of Fermented foods & Beverages/ Technology of Plant and Animal foods (4+1)	DSE-2 Food Biotechnology / Sugar Confectionery (4+1)	Core-14 Food Safety, Quality Control and Sensory Evaluation (4+1)	Core-15 Food Supply Chain Management (3)	GE-5 Food Storage & Infestation Control (3+1)	SEC-3 Principles of Marketing (3)	29	25	DSE=2 CORE=2 GE=1 SEC=1	
III	VI	DSE-3 Extrusion Technology/Technology of Spices & Condiments (4)	DSE-4 Food Product Development/ Technology of Non fermented Beverages (4)	Project (6)				29	14	DSE=2	
Legend:		1. Ability Enhancement Compulsory Course (AECC) : 05									
		2. Generic Elective (GE) : 04									
		3. Skill Enhancement Course (SEC) : 03									
		4. Core : 15									
		5. Discipline-Specific Elective (DSE) : 04									
		6. Generic Elective (GE) (ID) : 01									

Kwagha
DR. KAVITA WAGH
 Professor and Head
 Foodtechnology Department
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176
Chairman
 Board of
 Food Technology
 (A)

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LOYOLA ACADEMY DEGREE & PG COLLEGE

B.Sc. MATHEMATICS, STATISTICS & COMPUTER SCIENCE (2020-2023) (Choice-Based Credit System) 2022-23

Sem	COURSE -I	COURSE -II	COURSE -III	COURSE -IV	COURSE -V	COURSE VI	Hours	Credits	
I	General English-I (3) AECC-1	Value education and Personality Development (2) AECC-2	Fundamentals of Information Technology (3 +1) GE-1	Differential Calculus and Number Theory (5) Core-1	Descriptive Statistics and Probability (4+1) Core-2	Problem Solving and programming in 'C' (4+1) Core-3	29	24	AECC=2 GE=1 CORE=3
II	General English-II (3) AECC-3	Indian Heritage and Culture (2) AECC-4	Computer Architecture (4) SEC-1	Differential Equations (5) Core-4	Probability Distributions (4+1) Core-5	C++ with data structures (4+1) Core-6	29	25	AECC=2 SEC=1 CORE=3 PLANET =1
III	Environmental Studies and Gender Sensitization AECC-5 (3)	Quantitative Aptitude /Statistics- Data Analysis GE-2 (2+1)	Numerical Analysis (4) SEC-2	Abstract Algebra (4+1) Core-7	Statistical Methods (4+1) Core-8	Operating Systems (4+1) Core-9	30	25	AECC=1 SEC=1 GE=1 CORE=3
IV	WEB Programming (1+1) SEC-3	Vector Calculus (4) SEC-4	Operations Research (4) GE-3	Real Analysis (4+1) Core-10	Statistical Inference (4+1) Core-11	DBMS (4+1) Core-12	29	25	SEC=2 GE=1 CORE=3
V	Discrete Mathematics /Elementary Number Theory (4) DSE-1	Statistical Quality Control and Reliability / Statistical techniques in Data warehousing and Data Mining (3) DSE-2	R- Programming (2) GE-4	Linear Algebra (4+1) Core-13	Sampling Theory, Time Series, Index Numbers and Demand Analysis (4+1) Core-14	Java Programming (4+1) Core-15	29	24	DSE=2 CORE=3 GE=1
VI	PROJECT (4) DSE-4		Computer Networks / Software Engineering (3) DSE-3	Functions of a Complex Variable (4) Core-16	Design of Experiments, Vital Statistics, Official Statistics and Business Forecasting (4+1) Core-17	Python Programming (4+1) Core-18	29	21	DSE=2 CORE=3
Legend:						TOTAL	175	144	
1. Ability Enhancement Compulsory Course (AECC) : 05									
2. Generic Elective (GE) : 04									
3. Skill Enhancement Course (SEC) : 04									
4. Core : 18									
5. Discipline-Specific Elective (DSE) : 03									

Alkandari
Chairperson
BoS in Mathematics
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LOYOLA ACADEMY DEGREE & PG COLLEGE, ALWAL, SECUNDERABAD-500 010 TS
B.Sc. Multimedia & Animation (2022-25) (Choice-Based Credit System) w.e.f 2023-24

Year	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Hours	Credits	
I	I	General English-I (3) (AECC-1)	Indian Heritage and Culture (2) (AECC-2)	Principles of Visual Design (3+2) (SEC-1)	Graphic Designing (3+2) (CORE-1)	Basic Concepts of Arts (4+2) (CORE-2)	Programming Through 'C' (3+1) (GE-1)	29	25	AECC-2 SEC-1 GE-1 CORE-2
	II	General English-II (3) (AECC-3)	Value Education & Personality Development (2) (AECC-4)	Intro to Animation (3+2) (SEC-2)	Camera Techniques (3+1) (CORE-3)	Concept Development Through Storyboard (3+2) (CORE-4)	Web Design (4+2) (CORE-5)	29	25	AECC-2 SEC-1 CORE-3
II	III	Inter-Disciplinary Generic Elective (Creative Arts) (2+1) (ID)	Introduction to MAYA (3+2+2+2+2)(Modeling & Texturing, Animation & Rigging, Dynamics, Lighting & Rendering) (CORE-6)	Narrative Techniques (3) (SEC-3)	Media Education (2) (GE-2)	Figure Drawing (2) (SEC-4)	Flash Scripting (2) (SEC-5)	29	23	GE-1 SEC-3 CORE-1
	IV	Environmental Studies & Gender Sensitization (3) (AECC-5)	Video Editing (Premier Pro & Sound Forge) (3+2) (CORE-7)	Visual Aesthetics and Analysis (2) (GE-3)	Advanced MAYA(3) (CORE-8)	Advanced Animation & Rigging(2) (CORE-8), Advanced Lighting & Rendering (2) (CORE-8)	Advanced Modeling & Texturing (2+2) (CORE-8), Advanced Dynamics (2) (CORE-8)	29	23	AECC-1 GE-1 CORE-2
III	V	Introduction to Advertising/ Introduction To Gaming (4+2) (DSE-1)	Compositing (After Effects) / Digital Advertising (4+2) (DSE-2)	Production Management (3) (CORE-9)	Production Demo Reel (Modeling & Texturing(2), Animation & Rigging) (2) (CORE-9)	Production Demo Reel (Lighting & Rendering)(2) (CORE-9)	Advanced Audio & Video Editing (FCP) (2) (SEC-6)	29	23	DSE-2 SEC-1 CORE-1
	VI	Corporate Communication/ Digital Painting (4) (DSE-3)	Introduction to UI /Concept Art (4+2) (DSE-4)	Corporate Communication (2D,3D) / Digital Painting (Matte Painting)(2) (DSE-3)	Audio & Video Portfolio (1) (SEC-7)	Advanced Compositing VFX (Digital Fusion) (2) (SEC-8)	Project Work (Internship) (6)	29	21	DSE-2 SEC-2
Legend:		1. Ability Enhancement Compulsory Course (AECC) : 05								
		2. Generic Elective (GE) : 03								
		3. Skill Enhancement Course (SEC) : 08								
		4. Core (CORE) : 09								
		5. Discipline Specific Elective (DSE) : 04								
		6. Inter-Disciplinary Generic Elective (ID) : 01								
						Total		174	140	


Loyola Academy Degree & PG College
B.A. Mass Communication 2021-24 BATCH - (Choice-Based Credit System) NEW

Year	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Course-7	Course-8	Hours	Credits	Legend	
I	I	English-I (3) (AECC-1)	Indian Heritage and Culture (2) (AECC-2)	Introduction to Mass Communication (4) (Core-1)	Introduction to Socio-Political India (4) (Core-2)	Digital Audio Production (3+1) (Core-3)	Word Processing Skills (Pr) (1) (SEC-1)	Principles of Visual Design (Pr) (2) (SEC-2)	Graphic Design (Pr) (2) (SEC-3)	29	22	AECC-2 SEC-3 CORE-3	
	II	English - II (3) (AECC-3)	Value Education & Personality Development (2) (AECC-4)	Indian Print Journalism (4) (Core-4)	Intro. to Electronic Media (4) (Core-5)	Digital Photography (T+Pr) (4+2) (Core-6)	2D Animation (Pr) (3) (SEC-4)			29	22	AECC-2 SEC-1 CORE-3	
II	III	Inter Disciplinary (2+1) (GE) (ID)	Media, Culture & Society (4) (Core-7)	Writing for Media (3) (Core-8)	Magazine Journalism (3) (Core-9)	TV News Editing & Presentation (T+Pr) (3+1) (Core-10)	Reporting & Editing (T+Pr) (4+1) (Core-11)	Web Design (Pr) (2) (SEC-5)		30	24	GE - 1 CORE-5 SEC - 1	
	IV	Environmental Studies & Gender Sensitization (3) (AECC-5)	Film Studies (4) (GE - 2)	Digital Film Making (T+Pr) (4+2) (Core - 12)	Advertising (T+Pr) (3+1) (Core-13)	Television Production (T+Pr) (4+2) (Core-14)				29	23	AECC-1 GE - 1 CORE-3	
III	V	Media Laws and Ethics (3) (Core-15)	Development Communication (4) (Core-16)	Mass Media Research (4) (Core-17)	Media Management /New Media Studies (4) (DSE-1)	Online Journalism / Radio Production (T+Pr) (3+1) (DSE-2)	Public Relations (4) (Core-18)	*Internship (2) (SEC-6)		29	25	CORE-4 SEC-1 DSE - 2	
	VI	Event Management (2) (PR) (Sec-7)	Study Paper (4) (PR) (DSE-3)	Internship (4) (PR) (DSE-4)	Film/ Documentary (4) (PR) (DSE-5)					16	14	SEC - 1 DSE - 3	
Legend:		1. Ability Enhancement Compulsory Course (AECC) : 5				2. Generic Elective (GE) : 2		3. Skill Enhancement Course (SEC) : 6		4. Core : 18		5. Discipline-Specific Elective (DSE) : 5	
							Total				129		


K. STEVENSON
 Head
 Dept. of Journalism & Mass Communication
 Loyola Academy Degree & PG College of Arts & Social Sciences
 Gemina University

Loyola Academy Degree & PG College
B. Com Computer Applications (2022-25) (Choice Based Credit System)

Yr.	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Hours	Credits	
I	I	Business English-I (3) (EL)	Indian Heritage and Culture (2) (AECC-1)	Business Organisation & Management (Core-1) (4+1)	Financial Accounting - I (4+1) (Core-2)	Micro Economics(5) (Core 3)	Fundamentals of Information Technology(4+1) (Core 4)	28	25	EL=1 AEC=1 CORE=4
I	II	Business English-II (3) (EL)	Value Education & Personality Development (2) (AECC-2)	Company Law-I (4+1) (Core-5)	Financial Accounting II (4+1) (Core-6)	Business Mathematics (5) (Core 7)	Programming in "C"(4+1) (Core 8)	28	25	EL=1 AECC=1 CORE=4
II	III	(GE) (2+1)	A. Principles of Insurance(2) B. Foundation of Digital Marketing Web Design (2) (SEC-1)	Company Law-II(4+1) (Core-9)	Advanced Accounting (5) (Core-10)	Business Statistics (5) (Core-11)	Object Oriented Programming through C++(4+1) (Core - 12)	28	25	SEC=1 GE=1 CORE=4
II	IV	Environmental Studies & Gender Sensitization (3) (AECC-3)	A. Practice of Life and General Insurance B. Social Media Marketing Search Engine & Online Advertising (SEC-2)(2)	Corporate Accounting(5) (Core-13)	Banking Insurance and Practice (3+2) (Core-14)	Direct Taxes (5) (Core-15)	Dara base Management system (4+1) (Core-16)	28	25	AECC=1 SEC=1 CORE=4
III	V	Java Programming (4+1) (Core-17)	Auditing (5) (Core-18)	DSE-1 A. Cost Accounting (5) B. Financial Planning and performance(5) C. International Financial Reporting-I(5)	DSE-2 A. Financial Statement Analysis(5) B. Financial Management-I(5) C. International Tax and Regulation(5)	DSE-3 A. E-Commerce(3+2) B. Data Analytics (3+2) C. Mobile Applications(3+2)		28	25	DSE=3 CORE=2
III	VI	Web Programming- (4+1) (Core-19)	Business Research Methodology and Project report Writing (PK)(2+2)	DSE-4 A. Advanced Cost Accounting (5) B. Financial Control(5) C. International Financial Reporting-II(5)	DSE-5 A. Advanced Management Accounting(5) B. Financial Management-II C. International Finance(5)	DSE-6 A. SAD(3+2) B. Cyber Security(3+2) C. Management Information System (3+2)	Planet-1	29	25	DSE=3 CORE=1 PR=1
Legend: 1. English (First Language) 02 2. Ability Enhancement Compulsory Course (AECC) 03 3. Generic Elective (GE) [Accounting] 01 4. Skill Enhancement Course (SEC) 02 5. Core 19 6. Discipline-Specific Elective (DSE) 06 7. Project Report 01								169	150	


CHAIRMAN
 Board of Studies in Commerce
 Osmania University,
 Hyderabad-500 007, T.S.

LOYOLA ACADEMY

Department of B.B.A (2022-25 Batch) (Choice-Based Credit System) FROM ACADEMIC YEAR 2022-23

Semester	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Hours	Credits		
I	Business English-I (3) (AECC-1)	Indian Heritage and Culture (2) (AECC-2)	Fundamentals of Information Technology (4+1) (SEC-1)	Banking Theory & Practice (4) (GE -1 (DS))	Financial Accounting – I (4+1) (Core-1)	Principles of Management (4) (Core-2)	29	23	AECC-2 GE-1 SEC-1 CORE-2 DSE-0	
II	Business English-II (3) (AECC-3)	Value Education & Personality Development (2) (AECC-4)	Fundamentals of Business Statistics (3+1) (SEC-2)	Corporate Governance & Business Ethics (4) (GE-2 (DS))	Financial Accounting – II (4) (Core-3)	Managerial Economics (4) (Core-4)	29	21	AECC-2 GE-1 SEC-1 CORE-2 DSE-0	
III	Inter Disciplinary GE (2+1)	Taxation (4) (Core-5)	Fundamentals of Business Mathematics (4) (SEC-3)	Research Methodology(4) (Core-6)	Advanced Accounting (4) (Core-7)	Macro Business Environment (4) (Core-8)	29	23	AECC-0 GE-1 SEC-1 CORE-4 DSE-0	
IV	Environmental Studies (3) (AECC-5)	E-Commerce (4+1) (SEC-4)	Corporate Accounting (4) (Core-9)	Financial Management (4) (Core-10)	Marketing Management (4) (Core-11)	Human Resource Management (4) (Core-12)	29	24	AECC-1 GE-0 SEC-1 CORE-4 DSE-0	
V	International Marketing & Export Management/ International Business(4) (DSE-1)	Leadership & Change Management/ Talent & Knowledge Management(4) (DSE-2)	Operations Research (3+1) (Core-13)	Cost Accounting (4) (Core-14)	Business Laws (4) (Core-15)	Strategic Management(4) (Core-16)	29	24	AECC-0 GE-0 SEC-0 CORE-4 DSE-2	
VI	Financial Markets & Institutions/ Fundamentals of Investment Management(4) (DSE-3)	Retail Marketing & Customer Relationship Management/ Consumer Behaviour (4) (DSE-4)	Entrepreneurship Development (3) (Core-17)	Management Accounting (4) (Core-18)	Company Law (4) (Core-19)	Project (2)	29	21	AECC-0 GE-0 SEC-0 CORE-3 DSE-2	
AECC (Ability Enhancement Compulsory Course) : 05 GE (Generic Elective) : 02 SEC (Skill Enhancement Course) : 04 Core : 19 DSE (Discipline Specific Elective) : 04 Inter Disciplinary GE (Principles of Management) : 01										
							TOTAL	174	136	

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PRINCIPAL

LOYOLA ACADEMY

Department of B.B.A (2022-25 Batch) (Choice-Based Credit System) FROM ACADEMIC YEAR 2022-23

Semester	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Hours	Credits		
I	Business English-I (3) (AECC-1)	Indian Heritage and Culture (2) (AECC-2)	Fundamentals of Information Technology (4+1) (SEC-1)	Banking Theory &Practice (4) (GE -1 (DS))	Financial Accounting – I (4+1) (Core-1)	Principles of Management (4) (Core-2)	29	23	AECC-2 GE-1 SEC-1 CORE-2 DSE-0	
II	Business English-II (3) (AECC-3)	Value Education &Personality Development (2) (AECC-4)	Fundamentals of Business Statistics (3+1) (SEC-2)	Corporate Governance &Business Ethics (4) (GE-2 (DS))	Financial Accounting – II (4) (Core-3)	Managerial Economics (4) (Core-4)	29	21	AECC-2 GE-1 SEC-1 CORE-2 DSE-0	
III	Inter Disciplinary GE (2+1)	Taxation (4) (Core-5)	Fundamentals of Business Mathematics (4) (SEC-3)	Research Methodology(4) (Core-6)	Advanced Accounting (4) (Core-7)	Macro Business Environment (4) (Core-8)	29	23	AECC-0 GE-1 SEC-1 CORE-4 DSE-0	
IV	Environmental Studies (3) (AECC-5)	E-Commerce (4+1) (SEC-4)	Corporate Accounting (4) (Core-9)	Financial Management (4) (Core-10)	Marketing Management (4) (Core-11)	Human Resource Management (4) (Core-12)	29	24	AECC-1 GE-0 SEC-1 CORE-4 DSE-0	
V	International Marketing &Export Management/ International Business(4) (DSE-1)	Leadership &Change Management/ Talent &Knowledge Management(4) (DSE-2)	Operations Research (3+1) (Core-13)	Cost Accounting (4) (Core-14)	Business Laws (4) (Core-15)	Strategic Management(4) (Core-16)	29	24	AECC-0 GE-0 SEC-0 CORE-4 DSE-2	
VI	Financial Markets &Institutions/ Fundamentals of Investment Management(4) (DSE-3)	Retail Marketing &Customer Relationship Management/ Consumer Behaviour (4) (DSE-4)	Entrepreneurship Development (3) (Core-17)	Management Accounting (4) (Core-18)	Company Law (4) (Core-19)	Project (2)	29	21	AECC-0 GE-0 SEC-0 CORE-3 DSE-2	
AECC (Ability Enhancement Compulsory Course) : 05 GE (Generic Elective) : 02 SEC (Skill Enhancement Course) : 04 Core : 19 DSE (Discipline Specific Elective) : 04 Inter Disciplinary GE (Principles of Management) : 01										
							TOTAL	174	136	

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PRINCIPAL

Loyola Academy Degree & PG College
B.Com Business Studies (2022-2025) (Choice-Based Credit System)

SEM	Course -1	Course-2	Course -3	Course-4	Course-5	Course-6	hours	Cred it		
I	I Business English-I (3) (AECC-1)	Indian Heritage & Culture-(2) (AECC-2)	Business Organization and Management-(4+2) (CORE-1)	Financial Accounting-I (4+2) (CORE-2)	Micro Economics (5) (CORE-3)	Fundamentals of IT (4+2) (CORE-4)	28	25	<u>AEC-2</u> <u>CORE-4</u>	
	II Business English-II (3) (AECC-3)	Value Education & Personality Development (2) (AECC-4)	Company Law -I (4+2) (CORE-5)	Financial Accounting-II (4+2) (CORE-6)	Banking Theory & Practices (4+2) (CORE-7)	Business Mathematics (4+2) (CORE-8)	29	25	<u>CORE-4</u> <u>AEC-2</u>	
II	III Banking GE (2+2)	E-Commerce (2) (SEC-1)	Company law II (4+2) (CORE-9)	Advanced Accounting (5) (CORE-10)	Business Statistics (4+2) (CORE-11)	Financial services & markets (5) (CORE-12)	28	25	<u>SEC-1</u> <u>CORE-4</u> <u>GE-1</u>	
	IV Environmental Studies Gender Sensitization(3) (AECC-5)	Foundation of Digital Marketing & web design (2) (SEC-2)	Direct tax (5) (CORE-13)	Entrepreneurship Development (4+2) (CORE-14)	Corporate Accounting (5) (CORE-15)	Financial Institutions & Markets (4+2) (CORE-16)	27	25	<u>AEC-1</u> <u>CORE-4</u> <u>SEC-1</u>	
III	V Financial Management (5) (CORE-17)	Auditing & Accounting Standards (5) (CORE-18)	DSE-1 A-Principles of Insurance B-Aspects of life & General Insurance C-International Financial Reporting I (5)	DSE-2 A-Marketing Management B-Investment Management C-Strategic Management (5)	DSE-3 A-Human Resource Management B-Public Relation & Corporate Communication C-Corporate Governance & Business Ethics (5)		25	25	CORE-2 DSE-3	
	VI Cost Accounting (5) (CORE-19)	Business Research & Report writing (2+4) (CORE-20)	DSE-4 A-International Marketing B-International Business C-International Financial Reporting II (5)	DSE-5 A-Organisation Behaviour B-Consumer Behaviour C-Behavioural Finance (5)	DSE-6 A-Financial Statement Analysis B-Theory and Practice of GST C-Advanced Aspects of Income Tax (5)		27	25	CORE-2 DSE-3	
Legend:1.Ability Enhancement Compulsory Course (AECC) : 05 2.Generic Elective (GE) : 00 3.Skill Enhancement Course (SEC) : 02 4.Core : 20 5. Discipline Specific Elective (DSE) : 06 6. ID GE (Banking) : 01										
Total								164	150	



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LOYOLA ACADEMY
OLD ALWAL, SECUNDERABAD 500 010 TS
 Re-Accredited with 'A' Grade by NAAC (III Cycle)
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B.Sc. COMPUTER SCIENCE & CLOUD COMPUTING (2022-25) (CHOICE BASED CREDIT SYSTEM) [PROPOSED]

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 & Personality Development (2) (AECC-2)	Fundamentals of IT (4+1) (SEC-1)	Mathematics- I (4) (Core-1)*	Operating Systems (4+1) (Core-2)	Problem Solving and Programming Through C* (4+1) (Core-3)	29	24	AECC=2 SEC=1 CORE=3
	II	General English-II (3) (AECC-3)	Indian Heritage and Culture (2) (AECC-4)	IT Hardware & Networking(4+1) (GE-1)	Mathematics- II (4) (Core-4)*	Computer Networks (4+1) (Core-5)	Data Structures through C* (4+1) (Core-6)	29	24	AECC=2 GE=1 CORE=3
II	III	Environmental Studies & Gender Sensitization (3) (AECC-5)	Web Programming (ID) (2+1) (GE-2)*	Linux Server Administration (4+1) (SEC-2)	Discrete Mathematics(4) (Core-7)	Introduction to Virtualization and Cloud Computing (4+1) (Core-8)	Java Programming* (4+1) (Core-9)	30	25	AECC=1 GE=1 SECC=1 CORE=3
	IV	Mini Project(2) (SEC-3)	Principles of Information Security(4) (SEC-4)	Probability & Statistics (4) (Core-10)	Python Programming *(4+1)(Core-11)	DBMS (4+1) (Core-12)	Cloud Computing Architecture and Deployment (4+1) (Core-13)	29	25	SEC=2 CORE=4
III	V	Cryptography & Network Security/Internet of Things (4) (DSE-1)	Cloud Based Application Development (4+1) (SEC-4)	Cloud Backup & Disaster Recovery (4) (Core-14)	Public Cloud (4+1) (Core-15)	Web Programming Through PHP (3+1) (Core-16)	Introduction to IT Infrastructure Landscape (4) (Core-17)	29	26	DSE=1 SEC=1 CORE=4
	VI	Cloud Strategy Planning & Management/ Big Data Analytics on the Cloud (4) (DSE-2)	Ethics and Standards of Cloud(4) (Core-18)	Cloud Security (4+1) (Core-19)	Project Work (6) 15hrs (DSE-3)			29	19	DSE=2 CORE=2
Legend: 1. Ability Enhancement Compulsory Course (AECC) 2. Generic Elective (GE) 3. Skill Enhancement Course (SEC) 4. Core 5. Discipline-Specific Elective (DSE)					: 05 : 02 : 04 : 19 : 03	Total				



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Loyola Academy Degree & PG College
M.C.A. (2022-23) of Batch 2022-24 (Choice Based Credit System)

Yr	Sem	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Course - 7	Hours	Credits
I	I	*Soft Skills (2) (SEC-1)	\$ (3+1) (GE-Interdisciplinary)	Probability and Statistics (3+1+0) (Core-1)	Mathematical Foundations of Computer Science(4+1+0) (Core-2)	Computer Architecture (3+1+0) (Core-3)	Data Structures using C(3+0+2) (Core-4)	Database Management Systems (3+0+2) (Core-5)	33	27
I	II	*Human Values and Professional Ethics (2) (AECC-1)	Computer Networks (4+0+0) (Core-7)	Artificial Intelligence (4+0+0) (Core-8)	Design and Analysis of Algorithms (3+1+0) (Core-9)	Operating Systems (3+0+2) (Core-10)	Java Programming (3+0+2) (Core-11)	Data Science (3+0+2) (Core-12)	32	26
II	III	Summer Internship (2) (SEC-1)	Information Security/Distributed Systems/Internet of Things (DSE-1) (3+1+0)	Network Security/ Block Chain Technology / Image Processing (DSE-2) (3+1+0)	Operation Research (4+0+0) (Core-13)	Software Engineering (3+0+2) (Core-14)	Internet Technologies (3+0+2) (Core-15)	Machine Learning (3+0+2) (Core-16)	33	27
II	IV	Natural Language Processing / Big Data Analytics/Software Testing (DSE - 3) (3+0+0)	Cyber Security/ Cloud Computing/ Deep Learning (DSE-4) (3+0+0)	Open Elective – I Environmental Science/ Constitution of India/ Disaster Management (OE -1) (2+0+0)		Project(12)			32	20
		Legend: 1. Ability Enhancement Compulsory Course (AECC) : 01 2. Interdisciplinary(ID) : 01 3. Skill Enhancement Course (SEC) : 02 4. Core : 16 5. Discipline-Specific Elective (DSE) : : 04 6. Open Elective (OE) : 01							130	100
		\$ GE-Interdisciplinary: Information Technology Applications for Management and I.T Lab offered to other departments. *AECC is excluded for SGPA and CGPA calculation but it is compulsory to pass in the examination * Add on course "Campus Recruitment Training" (Non -CGPA) in II-Semester. #In the second Semester students will take summer Internship of 2 credits(CGPA)						Total		
								HEAD		



Loyola Academy Degree & PG College
M.Sc. Food Technology and Management (2021-23) (Choice-Based Credit System)


Year	Sem.	Course -1	Course -2	Course -3	Course -4	Course -5	Course -6	Hr	Remedial courses/ Bridge courses/ Competitive exam guidance	Credits		
I	I	*Communicative Competence (2) (AECC-1)	Technology of Food Processing & Preservation(2) (SEC-1)	Food Process Engineering -1 (4) (Core-1)	Technology of Animal based food & food products (4) (Core-2)	Advanced Food Chemistry (4+2) (Core-3)	Food Microbiology (4+2) (Core -4)	31	5	24	AECC-1 CORE-4 SEC-1 Bridge course-1	
I	II	*Human values & professional ethics (2) (AECC-2)	Post harvest Technology of Plantation crops (4) (Core-5)	Research Methodology(4) (Core – 6)	Food Process Engineering –II (4+2) (Core-7)	Instrumental methods of Food Analysis (4) (Core -8)	Technology of Cereals and Milling (4+2) (Core -9)	28	8	26	AECC-1 CORE- 5	
II	I	* Computer Applications (2) (AECC-3)	Tech. of Food Fermentation/ Tech. of Sugar confectionery & chocolate processing (4) (DSE-1)	Extrusion Technology (4) (Core-10)	Adv. Food Packaging (5+2) (Core – 11)	Food Quality systems & Management (4+2) (Core -12)	Energy Conservation & auditing (4) (Core-13)	33	3	27	AECC-1 DSE-1 CORE-4 Add on Course-1	
II	II	Technology of Baking Science (2) (SEC-2)	[§] Food and Nutrition / Food Processing and Preservation(4) (GE-1)	Nutraceuticals and functional foods / Food Toxicology & Allergens (4) (DSE- 2)	Food Supply & Cold Chain Management (4) (Core – 14)	Project work (6)		32	4	20	SEC- 2 GE – 1 DSE – 1 CORE – 1	
Legend												
1. Ability Enhancement Compulsory Course (AECC) : 03												
2. Generic Elective (GE) : 01												
3. Skill Enhancement Course (SEC) : 02												
4. Core : 14												
5. Discipline-Specific Elective (DSE) : 02												
								Total	124		97	

- *Ability Enhancement Compulsory Course (AECC) Marks are not included in CGPA score in the main certificate, but it is compulsory to pass in the examination.
- [§]GE paper will be offered to the students of other PG departments.
- [‡]In third semester students will take one month summer project of 2 credits (non-CGPA)

Loyola Academy Degree and PG College

M.Sc. Data Science (2022-23) of Batch 2022-24 (Choice Based Credit System)

Year	Se m	Course-1	Course-2	Course-3	Course-4	Course-5	Course-6	Course-7	Hours	Credits	Remedial/ Bridge Course/Library/ Mentoring	
I	I	*Communicate Competence (2) (AECC-1)	Technical Seminar and Report Writing (2) (SEC-1)	Mathematics for Data Science (4) (Core 1)	Artificial Intelligence (4) (Core 2)	Statistics & Probability, Data Visualization Lab (4+2) (core 3)	Python for Data science (4+2) (core 4)	Advanced Databases (4+2) (core 5)	33	26	3	AECC=1 SEC=1 CORE=5
I	II	*Human Values and Professional Ethics (2) (AECC-3)	Industrial Practices (2) (SEC-2)	\$ (GE- InterDisciplinary-1) Multivariate & Stochastic Process (4)	Elective-I (4) Cloud Computing / Social Media Analytics/ Data security and Privacy (DSE-I)	Regression Analysis & Statistical Inference (4+2) (core 6)	Big Data Analytics Through Hadoop (4+2) (core 7)	Machine Learning (4+2) (core 8)	33	26	3	AECC=1 SEC=1 ID=1 DSE=1 CORE=3
II	III	*Soft Skills (Interview Skills, Group discussion) (2) (AECC-3)	Mini Project Seminar (2) (SEC-3)	Internet of Things with Cloud (4) (core 9)	Elective-II (4) Big Data Security/ Reinforcement Learning / Time Series & Forecasting Techniques (DSE-II)	Deep Learning (4+2) (core 10)	Big Data Analytics through Spark (4+2) (core 11)	Natural Language Processing (4+2) (core 12)	33	28	3	AECC=1 SEC=1 DSE=1 CORE=4
II	IV	Major Project (15)							33	15	3	
		Legend: 1. Ability Enhancement Compulsory Course (AECC) : 03 2. Inter Disciplinary Elective : 01 3. Skill Enhancement Course (SEC) : 03 4. Core : 12 5. Discipline-Specific Elective (DSE): : 02 *AECC is excluded for SGPA and CGPA calculation but it is compulsory to pass in the examination. Planet Program, 1 credit added in 1 st semester, #In the Second Semester students will take one-month summer project of 2 credits. \$GE-Interdisciplinary: Business Analytics offered to other departments.							T o t a l	95	12	


 Department of
 Computer Science & Engineering
 College of Engineering, Osmania University,
 Hyderabad-500 007.

Categories of Courses and Credits

Abbreviation	Full Form	Credits	Abbreviation	Full Form	Credits
AECC	Ability Enhancement Compulsory Course	06*	Practical	Practical Core Course	18
ID	Inter Disciplinary Elective	04	Major Project	Project	15
SEC	Skill Enhancement Course	04*			
		02			
DSE	Discipline-Specific Elective	08			
Core	Professional Core Course	48			
Total Credits					95


HEAD
 Department of
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