

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI
UG COURSES – AFFILIATED COLLEGES

B.Sc. Biochemistry
(Choice Based Credit System)

(with effect from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject Title	Subject Code
III	Language	Tamil/Other Languages	
	Language	English	A2EN31
	Core-3	Physiology	AMBC31
	Major Practical-3	Techniques in Physiology	AMBCP3
	Allied-3	Principles of Chemistry-I	AABC31
	Allied Practical-3	Quantitative Analysis in Chemistry	AABCP3
	Skill Based Subject (Any one)	Biochemical Diagnostic Tools	ASBC31
		Blood Banking	ASBC32
	Non-Major Elective (Any one)	Biochemistry of Vision	ANBC31
		Vaccinology	ANBC32
Common	Yoga	AYOG31	

B.Sc. Physics

(With effect from the academic year 2020-2021)

Sem	Subject Title	Subject Code
III	Tamil / Other Languages	
	English	A2EN31
	<u>Core subject</u>	
	Electricity	AMPH31
	Practical-III	AMPHP3
	<u>Allied Subject-I</u> (for allied subjects With theory and practical) SEMESTER - I / III	
	Theory-Paper-I	AAPH11
	Practical-1	AAPHP1
	<u>Skill based subject</u> (Any one)	
	Maintenance of Electrical appliances	ASPH31
	Instrumentation Physics - I	ASPH32
	<u>Non – Major Elective</u> (Any one)	
	Basic Physics – I	ANPH31
	Applied Physics	ANPH32
	<u>Common</u>	
Yoga	AYOG31	

B.Sc Zoology
(with effect from the academic year 2020-2021 onwards)

Sem III	Language	Tamil/Other Language	
	Language	English	A2EN31
	Core	Developmental Zoology	AMZO31
	Major Practical- III	Developmental Zoology	AMZOP3
	II-Allied-I (Any one)	Cell Biology, Genetics and Biotechnology	AAZO11
		Industrial Fish and Fisheries- Biology of Fish	AAIF11
	II-Allied Practical- I	Cell Biology, Genetics and Biotechnology	AAZOP1
		Industrial Fish and Fisheries- Biology of Fish	AAIFP1
	Skill Based- Core (Any one)	Home Aquarium	ASZO31
		Nutrition and Dietetics	ASZO32
	Non- Major Elective (Any one)	Bee Keeping	ANZO31
		Clinical Biology	ANZO32
	Common	Yoga	AYOG31

B.Sc Microbiology (CBCS)
(For those who joined the course from the academic year 2020-2021)

Semester	Subject Status	Subject Title	Subject Code
III	Language	Tamil / Other Language	
	Language	English	A2EN31
	Core – III Major	Fundamentals of Immunology	AMMI31
	Major Practical - III	Lab in Fundamentals of Immunology	AMMIP3
	Allied– III	Molecular Biology	AAMI31
	Allied practical - III	Lab in Molecular Biology	AAMIP3
	Skilled based core (Any one)	Medical Lab Technology	ASMI31
		Clinical Biochemistry	ASMI32
	Non Major Elective (Any one)	General Microbiology	ANMI31
		Applied Food Microbiology	ANMI32
	Common	Yoga	AYOG31

**B.Sc. Computer & Information Technology
SEMSTER III**

SL.	COMPONENTS	
	PART III CORE SUBJECTS	
1.	Computer Oriented Numerical Methods	AMCT31
2.	Object Oriented Programmingwith C++	AMCT32
3.	Object Oriented Programmingwith C++ - LAB	AMCTP3
	ALLIED SUBJECTS - 1	
4.	Data Structure	AACT31
5.	Data Structure – LAB	AACTP3
	Skill Based Core Subject – I	
6.	DTP	ASCT31
	Non – Major Elective – I Other than B.Sc(IT) & B.Sc. (CIT)	
7.	Introduction to Information Technology	ANCT31
	Common	
8.	Yoga	AYOG31

**B.Sc. INFORMATION TECHNOLOGY
SEMSTER III**

SL.	COMPONENTS	
	PART III CORE SUBJECTS	
1.	Numerical Method and Operation Research	AMIT31
2.	Object Oriented Programming with C++	AMIT32
3.	Oriented Programmingwith C++ - LAB	AMITP3
	ALLIED SUBJECTS - 1	
4.	Data Structure	AAIT31
5.	Data Structure – LAB	AAITP3
	Skill Based Core Subject – I	
6.	DTP	ASIT31
	Non – Major Elective – I Other than B.Sc. (IT) & B.Sc. (CIT)	
7.	Introduction to Information Technology	ANIT31
	Common	
8.	Yoga	AYOG31

B.Sc., GEOLOGY – 2020-2021

(For those who joined the course from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject Title	Sub Code
III	Language	Tamil / Other Languages	
	Language	English	A2EN31
	Core-Theory	Crystallography	AMGE31
	Major Practical-III	Practical– Crystallography	AMGEP3
	Allied-III {Sem I / III}	Physics	AAPH11
	Allied Practical-III	Practical- Physics	AAPHP1
	Skill based – Core I (Any one)	Stratigraphy and Indian Geology	ASGE31
		Gemology	ASGE32
	Non- Major Elective-I (Any one)	Climatology	ANGE31
		Fundamentals of Geology	ANGE32
Common	Yoga	AYOG31	

B.Sc. - Statistics

Sem.	Course Status	Course Title	
III	Language	Tamil / Other Languages	
	Language	English	A2EN31
	Core	Statistical Distributions	AMSS31
	Core	Probability Theory	AMSS32
	Major Practical - III	Statistics Practical - III	AMSSP3
	Allied-III	Mathematics - II	AASS31
	Skilled Based Core	Mathematical Computations using R	ASSS31
	Non-Major Elective	Elements of Statistics - I	ANSS31
	Common	Yoga	AYOG31

B.Sc. PHYSICAL EDUCATION
with effect from the academic year 2020-2021 onwards

SEMESTER III		
Core/Allied	Title	Subject Code
Language	Tamil	
Language	English	A2EN31
Core V	Methods in Physical Education	AMPE31
Core Practical III	Badminton, Ball Badminton & Tennis	AMPEP3
Allied III	Theories of Games-II (Badminton, Ball Badminton & Tennis)	AAPE31
Skill Based Core I	Principles of Sports Training	ASPE31
Non Major Elective I	Principles of Physical Literacy	ANPE31
Common	Yoga	AYOG31

B.Sc. FOOD SCIENCE & NUTRITION
with effect from the academic year 2020-2021 onwards

Sem.	Subject Status	Subject Title	Subject Code
III	Language	Tamil/Other Language	
	Language	English	A2EN31
	Core- Paper V	Essentials of Macronutrients	AMFN31
	Core Practical - III	Essentials of Macronutrients	AMFNP3
	Allied - II - Paper III	Family Resource Management-I	AAFN31
	Allied Practical - III	Family Resource Management-I	AAFNP3
	Skill Based core paper I	Food Processing and Preservation	ASFN31
	Non-Major Elective-I (Any one)	Food Preservation Techniques	ANFN31
		Diet Therapy-I	ANFN32
	Common	Yoga	AYOG31

B.Sc. NUTRITION & DIETETICS
(Choice Based Credit System)
(with effect from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject College	
III	Language	Tamil/Other Languages	
	Language	English	A2EN31
	Core – Paper V	Nutrition Through Life Cycle	AMND31
	Major Practical III	Nutrition Through Life Cycle	AMNDP3
	Allied - II	Food Microbiology	AAND31
	Allied Practical II	Food Microbiology	AANDP3
	Skill Based-I Core	Food service Management- I	ASND31
	Non-Major Elective –I (Any one)	Principles of Interior Decoration	ANND31
		Food Microbiology	ANND32
Common	Yoga	AYOG31	

B.Sc. Hotel Management and Catering Science
(Choice Based Credit System)
(With effect from the academic year 2020-2021 onwards)

Sem.	Subject Status	Subject Title	Subject Code
III	Core	Food Production andPatisserie-III	AMHM31
	Core	Front Office Operation	AMHM32
	Core	Hotel Engineering	AMHM33
	Major Practical- III	Food Production andPatisserie-III	AMHMP3
	Allied - III	Food & Beverage service-I	AAHM31
	Allied Practical- III	Food & Beverage service-I	AAHMP3
	Skilled Based Core -Theory	Principles of Tourism management	ASHM31
	Non-Major Elective (Any one)	Hospitality Management - I	ANHM31
		Bakery and Confectionery-I	ANHM32
Common	Yoga	AYOG31	

B.Sc Software Engineering
(Choice Based Credit System)
(With effect from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject Title	Sub Code
III	Core	Java Programming	AMSE31
	Core	Software Engineering	AMSE32
	Major Practical-III	Java Programming	AMSEP3
	Allied -III	Scripting Languages	AASE31
	Allied Practical - III	Scripting Languages	AASEP3
	Skill Based I Core	Computer Architecture	ASSE31
	Non-Major Elective (Any one)	Fundamentals of Internet and Emerging Technologies	ANSE31
		Basic Programming Design	ANSE32
Common	Yoga	AYOG31	

B.Sc. Visual Communication (CBCS)
(Effective from the academic year (2020-2021))

Sem	Subject Status	Subject Title	Subject Code
III	Language	Tamil/OtherLanguage	
	Language	English	A2EN31
	Core-5	Photography	AMVC31
	MajorPractical –III	Photography	AMVCP3
	Allied- III	Advertising & Public Relations	AAVC31
	AlliedPractical –III	Advertisement & PR Writing	AAVCP3
	SkilledBasedCore- I	Audiography	ASVC31
	Non-MajorElective-I	JournalismSkills	ANVC31
	Common	Yoga	AYOG31

B.SC. BIOTECHNOLOGY
(Choice Based Credit System)
(with effect from the academic year 2020-2021 onwards)

Sem	Subjectstatus	Subject Title	Subject Code
III	Language	Tamil/ other languages	
	Language	English	A2EN31
	Core-5	Microbiology	AMBT31
	Major practical-III	Lab in Microbiology	AMBTP3
	Allied III	Biophysics	AABT31
	Allied practical III	Lab in Biophysics	AABTP3
	Skill based core-I -ANY ONE -	Clinical Biochemistry	ASBT31
		Industrial Biotechnology	ASBT32
	Non major elective - ANY ONE-	Nutritional biotechnology	ANBT31
		Vector borne diseases	ANBT32
Common	Yoga	AYOG31	

B.Sc. Botany
(with effect from the academic year 2020 to 2021 onwards)

Sem.	SubjectStatus	Subject Title	Subject Code
III	Language	Tamil	
	Language	English	A2EN31
	Core III	Fungi, Plant Pathology and Lichenology	AMBO31
	Major Practical III	Fungi, Plant Pathology and Lichenology - Practical	AMBOP3
	Allied - II Paper I {Sem – I / III}		AABO11
	Allied Practical II	Practical	AABOP1
	Skill Based	Mushroom Culture Technology	ASBO31
		Organic Farming	ASBO32
	Non-Major Elective I	Gardening and Garden Management	ANBO31
		Herbal Medicine	ANBO32
Common	Yoga	AYOG31	

B.Sc. Chemistry
(with effect from the academic year 2020-21 onwards)

SEM	SUBJECT STATUS	SUBJECT TITLE	Subject Code
III	Language	Tamil/Other Languages	
	Language	English	A2EN31
	Core – Paper V	Organic Chemistry – I	AMCH31
	Major Practical III	Inorganic Qualitative Analysis	AMCHP3
	Allied – II {Sem –I / III}	Allied Chemistry – I	AACH11
	Allied Practical II	Allied Chemistry Practical- I	AACHP1
	Skilled Based-I Core - ANY ONE -	Agro Chemistry	ASCH31
		Food Chemistry	ASCH32
	Non-Major Elective –I - ANY ONE -	Food Science	ANCH31
		Water Management	ANCH32
Common	Yoga	AYOG31	

B.C.A.
(with effect from the academic year 2020 - 2021 onwards)

Sem	Subject Status	Subject Title	Sub Code
III	Core	Java Programming	AMCA31
	Core	Financial accounting	AMCA32
	Core	Introduction to Internet with HTML	AMCA33
	Major Practical III	Java Programming Lab	AMCAP3
	Allied - III	Data Structure	AACA31
	Allied Practical III	Data Structure LAB	AACAP3
	Skill based Core Theory I	Programming with PHP and MySQL	ASCA31
	Non major elective - ANY ONE -	Introduction to IT	ANCA31
		Introduction to Computers	ANCA32
	Common	Yoga	AYOG31

Course structure for B.Sc. COSTUME DESIGN & FASHION DESIGN
(with effect from the academic year 2020 – 2021 onwards)

Sem.	Sub Status	Subject Title	Sub Code
III	Core - III	Fashion Apparel Merchandising	AMCF31
	Core - IV	History of Costume	AMCF32
	Core - V	Fabric structure and Design	AMCF33
	Core Practical - III	Construction of women's wear	AMCFP3
	Allied - III	Apparel Export Trade Documentation	AACF31
	Allied Practical- III	Surface Embellishment	AACFP3
	Skill Based Core – I - ANY ONE-	Embroidery and Surface working	ASCF31
		Costume Development	ASCF32
	Non - Major Elective- I - ANY ONE -	Embroidery and Surface working	ANCF31
		Fashion Concept	ANCF32
Common	Yoga	AYOG31	

B.Sc. FASHION DESIGNING AND APPAREL MAKING
(Choice Based credit System)

(with effect from the academic year 2020 – 2021 onwards)

Se m	Subject status	Subject Title	Subject Code
III	Core - III	Fabric structure and Design	AMFD31
	Core - IV	Fashion Designing	AMFD32
	Core - V	Fashion and clothing psychology	AMFD33
	Core Practical- III	Designing and Construction of women's wear	AMFDP3
	Allied - III	Computer in the Garment Industry	AAFD31
	Allied Practical - III	Basic Illustration	AAFDP3
	Skill Based Core - I	Textile Processing	ASFD31
	Non-Major Elective – I - ANY ONE -	Embroidery and Surface working	ANFD31
		Fashion Concept	ANFD32
	Common	Yoga	AYOG31

B.Sc. FASHION TECHNOLOGY
(Choice Based Credit System)
(with effect from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject Title	Subject Code
III	Core - III	History of Costume	AMFT31
	Core - IV	Fashion Apparel Merchandising	AMFT32
	Core – V	Fabric structure and Design	AMFT33
	Core Practical- III	Construction of Children’s Wear	AMFTP3
	Allied – III	CAD in Textiles and Fashion	AAFT31
	Allied Practical - III	Computer Aided Designing	AAFTP3
	Skill Based Core - I	Embroidery and Surface working	ASFT31
	Non-Major Elective – I -ANY ONE-	Embroidery and Surface working	ANFT31
		Fashion Concept	ANFT32
Common	Yoga	AYOG31	

B.Sc COMPUTER SCIENCE
(Choice Based Credit System)
(with effect from the academic year 2020-2021 onwards)

Sem	Subject Status	Subject Title	Sub Code
III	Core	Java Programming	AMCS31
	Core	Digital Design	AMCS32
	Major Practical - III	Java Programming	AMCSP3
	Allied -III	Scripting Languages	AACS31
	Allied Practical - III	Scripting Languages	AACSP3
	Skill Based I Core	Introduction to BigData analytics	ASCS31
	Non-Major Elective -ANY ONE -	Fundamentals of Internet and Emerging Technologies	ANCS31
		Basic ProgrammingDesign	ANCS32
Common	Yoga	AYOG31	

B.Sc.Mathematics
(Choice Based Credit System)
(with effect from the academic year 2020-2021 onwards)

Sem	Sub Status	Subject Title	Sub Code	
III	Language	Tamil/Other Languages		
	Language	English	A2EN31	
	Core-III Paper-V	Sequences and Series	AMMA31	
	Allied-II	Statistics-I		AAST11
		OR		
		Physics		AAPH11
		Physics - Practicals		AAPHP1
		OR		
		Chemistry		AACH11
		Chemistry - Practicals		AACHP1
		OR		
Computer Science		AACM11		
Allied – I (For Science Students)	Algebra and Differential Equations		AAMA11	
Skill Based core	Vector Calculus		ASMA31	
Non - Major Elective (Anyone)	Mathematics for Competitive Examinations-I		ANMA31	
	Fundamentals of Statistics-I		ANMA32	
	Common	Yoga	AYOG31	

B.SC (ELECTRONICS)

Sem	Category of Subjects	Sub code
	Core Theory-3	
	Applied Electronics	AMEL31
	Core Theory- 4	
	Electronic Measurement and Circuit Theory	AMEL32
	Core Practical III	
	Electronic Circuits Lab - I	AMELP3
	Core Practical IV	
	Measurements Lab	AMELP4
	Allied Theory- III (for Electronics)	
	Applied Mathematics	AAEM11
	Allied Theory- III (for others)	
	Electronic Devices	AAEL31
III	Allied Practical III (for Electronics)	
	Simulations of Applied Mathematics	AAEMP1
	Allied Practical III (for others)	
	Electronic Devices Lab	AAELP3
	Skill Based Core	
	Consumer Electronic Appliances	ASEL31
	Non-Major Elective (Select anyone)	
	Electronic Trouble shooting	ANEL31
	Computer Hardware	ANEL32
	Common	
	Yoga	AYOG31
	At least any one of the subject oriented online MOOC courses	AOEL3A

B.SC (ELECTRONICS AND COMMUNICATION)
(With effect from the academic year 2020-2021 onwards)

Sem	Category of Subjects	Subject Code
III	Core Theory-3	
	Applied Electronics	AMES31
	Core Theory- 4	
	Electronic Measurement and Circuit Theory	AMES32
	Core Practical III	
	Electronic Circuits Lab – I	AMESP3
	Core Practical IV	
	Measurements Lab	AMESP4
	Allied Theory- III (for Electronics & Comm.)	
	Applied Mathematics	AAEM11
	Allied Theory- III (for others)	
	Electronic Communication System	AAES31
	Allied Practical III (for Electronics & Comm)	
	Simulations of Applied Mathematics	AAEMP1
	Allied Practical III (for others)	
	Electronic Devices Lab	AAESP3
	Skill Based Core	
	Cellular Phone System	ASES31
	Non-Major Elective (Select anyone)	
	Applied Electric Circuits	ANES31
Bio-medical Electronics	ANES32	
Common		
Yoga	AYOG31	
At least any one of the subject oriented online MOOC courses	AOES3A	