
FYUGP COURSE SPECTRUM

SRI VYASA NSS COLLEGE, WADAKKANCHERY

FYUGP COMMITTEE, SVNSS June 2024



This meticulously curated handbook acts as a comprehensive roadmap, outlining the course offerings across various departments for the four-year undergraduate program. It encompasses in-depth major-specific disciplines, supplementary minor pathways for focused learning, and general foundation courses that provide a strong academic foundation. With the FYUGP Course Spectrum as your guide, you are empowered to make informed decisions as you chart your unique academic path and delve into the exciting world of knowledge offered at Sri Vyasa NSS College.

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About FYUGP

Four Year Unger Graduate Program

The state of Kerala now finds itself in the historic juncture of turning itself to a knowledge society. It is clear that creating a knowledge society would be possible only with a new and vibrant higher education sector. Any revival of an economy in the present context would require a technologically capable workforce with optimal knowledge and skills of international standards, and with a definite social perspective that would address the wellbeing of the people, equity, social justice and with a commitment to scientific temper, secularism and democracy. The development of such a workforce is possible only with a major overhaul of the existing higher education framework. This move has coincided with the radical restructuring of the national qualification framework redesigning the undergraduate programme for four years. The elements of the present education system that can be of assistance will have to be retained, while some others will have to be incorporated.

It was in this context that the Government of Kerala initiated steps for the reform of higher education through the setting up of three commissions. Their reports posit that to ensure the quality of higher education and to meet the challenges of the future require consistent engagement with curricula and syllabi. The Higher Education Reforms Commission has recommended a comprehensive reform in undergraduate curriculum, where a four-year structure with a single lateral exit option will replace the present three-year structure. The proposed pathways extend further into the postgraduate and doctoral programmes, where the fourth year of the undergraduate stream will be integrated with the first year of the postgraduate programmes.

The proposed Four-year undergraduate programme curriculum is a structural and methodological departure from the existing curriculum. The existing three-year programme shall remain within the four-year programme with options of lateral entry and single exit. Outcome Based Education (OBE) practices are to be used to design the curriculum. The regulations of the four-year UG programme aim at synthesizing degrees, which is now an international standard adopted by all the universities across the world. While synthesizing degrees, there shall be no restriction on the subjects/ courses across the disciplines, as far as possible. Conscious efforts to develop cognitive and non-cognitive problem-solving skills among the learners shall be part of the curriculum. The programmes shall empower graduates as expert problem-solvers using their disciplinary knowledge and collaborating in multi-disciplinary teams.

Important Terms



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FYUGP IMPORTANT DEFINITIONS

P

PROGRAMME

A programme means the entire **course of study and examinations** for the award of a degree. It includes all curricular and extra curricular activities **during the entire 3 or 4 years**.

C

COURSE & CREDIT

Course means a segment of subject matter to be covered in a semester.

Each course is assigned a specific number of **credits**, which represents the academic value and workload associated with that course.

MJ

MAJOR

Course/discipline selected by the student which provides an opportunity to pursue an in-depth study of a particular discipline.

All Major courses are of **4 credits** and student should **earn minimum 50% credits from them** out of total credits.

MN

MINOR

Courses to be selected from disciplines that may supplement or complement the Major Courses.

A student should **earn minimum of around 24 or 32 credits** from the Minor courses out of total credits. All Minor courses are of **4 credits**.

GFC

GENERAL FOUNDATION COURSES

Courses that shall be **common for all students** and shall be grouped into 4 important baskets.

1. **AEC** - Ability Enhancement Courses
2. **SEC** - Skill Enhancement Courses
3. **VAC** - Value Added Courses
4. **MDC** - Multi - Disciplinary Courses

Different Programmes in CU-FYUGP



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Govt. Aided College Affiliated to University of Calicut

Calicut University - FYUGP

THREE TYPES OF UG PROGRAMMES

Three-Year UG Programme

- Students who wish to exit after three years of a four-year degree programme will be awarded UG Degree in the Major discipline after successful completion of three years.
- Minimum Required Credits - 133
- Maximum Credits is 150. Students can earn up to 17 credits from online courses.
- Student have the option to complete the Programme in 5 Semesters.

Four-Year UG Honours

- Students who complete a four-year degree programme with 177 or above credits and satisfy the minimum course requirement will be awarded 4 Year UG Honours Degree.
- Honours students have the option to undertake a project in the Major discipline in their fourth year of the programme.
- Honours students not undertaking project will do 3 courses of total 12 credits in lieu of a project
- Maximum Credits is 200. Students can earn up to 23 credits from online courses.

Four-Year UG Honours with Research

- Students who complete a four-year degree programme with 177 or above credits and satisfy the minimum course requirement will be awarded 4 Year UG Honours with Research Degree.
- Honours with Research students have to undertake a mandatory project in the Major discipline in their fourth year.
- Only students with min. 75% mark cumulatively in the first 6 semesters will be admitted to this programme.
- Maximum Credits is 200. Students can earn up to 23 credits from online courses.

For more information about FYUGP

Dr. Suseel Rahul K (7907631701)
FYUGP Academic Coordinator, SVNSS

Academic Pathways in CU-FYUGP



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ACCADEMIC PATHWAYS IN CUFYUGP

01

SINGLE MAJOR

Recommended to those students who opt for an in-depth study in a particular discipline, without systematically exploring any other discipline.

Student is allowed to take 6 courses form any discipline other than Major in this pathway.

Eg: B.Sc Physics Major (A), BA Economics Major

02

MAJOR WITH MINOR

Recommended to those students who wish for an in-depth study in more than one discipline with a more focus on one discipline (Major-A) and relatively less focus on the other (Minor-B). Student is allowed to take 6 courses form one discipline other than Major in this pathway.

Eg : B.Sc Physics Major with Chemistry Minor

03

MAJOR WITH VOCATIONAL MINOR

Recommended to those students who wish for an exposure in a vocational (Minor-B) discipline in addition to the in-depth study in the (Major-A) discipline. Student is allowed to take 6 vocational minor courses form one discipline other than Major in this pathway.

Eg : Physics Major with Data Analysis Minor

04

MAJOR WITH MULTIPLE DISCIPLINES

Recommended to those students who wish to develop core competency in multiple disciplines of study. In this the credits for the 6 minor pathway courses shall be distributed among the two constituent disciplines/subjects

Eg : BSc Physics Major(A) with Chemistry and Mathematics (B,C)

05

DOUBLE MAJOR

Recommended to those students who wish for an in-depth study in two disciplines to more or less equal extent.

The two Major disciplines with minimum 50% credits in one Major (A1) and minimum 40% credits in another Major (A2) out of the total credits.

Eg : BSc Physics and Chemistry Major

For the current academic year we offer the first four pathways for our students

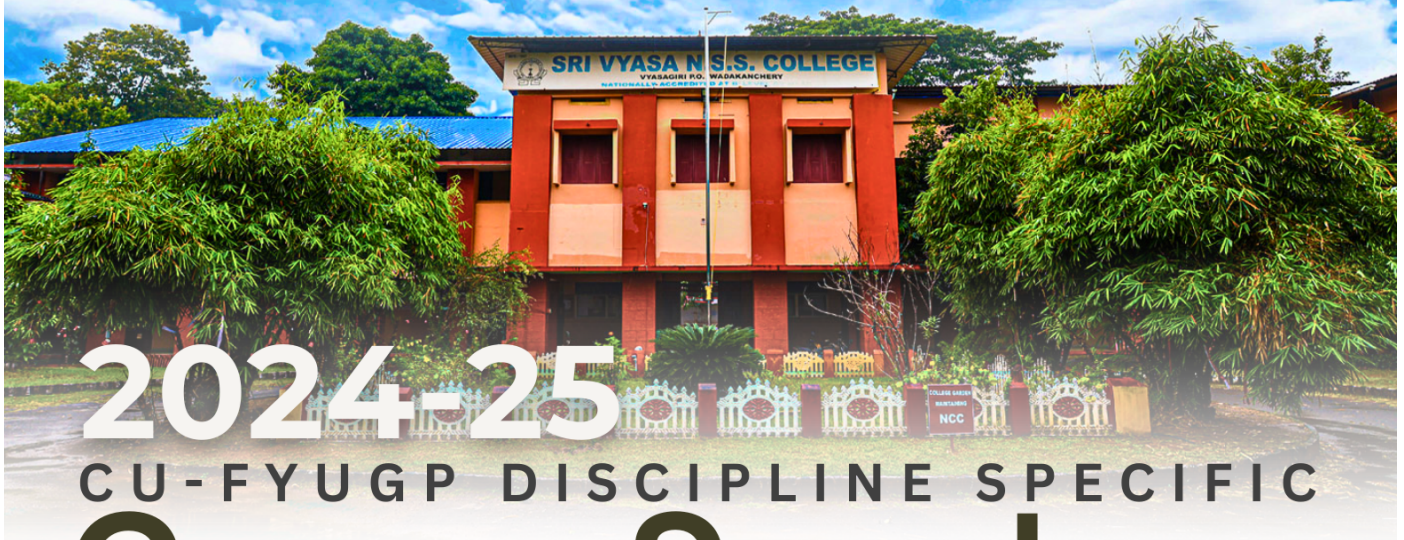
Discipline Specific Course Spectrum at a Glance



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2024-25

CU-FYUGP DISCIPLINE SPECIFIC

Course Spectrum

MAJOR DISCIPLINES

- BOTANY
- PHYSICS
- CHEMISTRY
- MATHEMATICS
- ECONOMICS
- COMMERCE
- HISTORY
- ENGLISH

MINOR DISCIPLINES

- PHYSICS
- ZOOLOGY
- CHEMISTRY(2)
- STATISTICS
- MATHEMATICS(3)
- ECONOMICS(2)
- COMMERCE(2)
- HISTORY(2)
- ENGLISH(1)

MULTI DISCIPLINARY COURSES

- PHYSICS
- ZOOLOGY
- CHEMISTRY
- STATISTICS
- MATHEMATICS
- ECONOMICS
- COMMERCE
- HISTORY
- ENGLISH
- PHYSICAL EDU.

TYPES OF UG PROGRAMMES IN CU-FYUGP

Three-Year UG Programme

നാല് വർഷ ഡിഗ്രി പ്രോഗ്രാമിൽ മൂന്ന് വർഷം വിജയകരമായി പൂർത്തിയാക്കിയതിന് ശേഷം മേജർ വിഷയത്തിൽ യൂജി ബിരുദം

Four-Year UG Honours

നാലാം വർഷത്തിൽ ഒരു ഓപ്ഷണൽ പ്രോജക്ട് ഉണ്ടായിരിക്കണം. ശേഷം ഒരു വർഷത്തെ പിജി പ്രോഗ്രാം ചെയ്യാം.

4 Year UG Honours with Research

നാലാം വർഷം മേജർ വിഷയത്തിൽ ഒരു ഗവേഷണ പ്രോജക്ട് നിർബന്ധം. ശേഷം നേരിട്ട് Ph.D പ്രോഗ്രാമിൽ ചേരാം.



ALL DEPARTMENTS WILL OFFER 4 YEAR HONOURS WITH RESEARCH



INDIVIDUAL FYUGP COUNSELLING FOR STUDENTS



OFFERING MORE THAN 15 MINOR PATHWAY COURSES



OFFERING MORE THAN 20 MULTI DISCIPLINARY COURSES

For More Information Contact

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Course Spectrum of Sri Vyasa NSS College

Major and Minor Pathway Courses						
Discipline	Major	Minor			MDC*	SEC**
		Number of Minor Groups Offering	Offered for Students from	Nature of Minor		
Botany	Yes	-			-	1
Chemistry	Yes	2	Other Major	1 General 1 Vocational	1	1
Mathematics	Yes	3	1 for ALL & 2 for Other Major	2 General 1 Vocational	2	2
Physics	Yes	1	Other Major	General	1	1
Statistics	-	1	Other Major	General	2	1
Zoology	-	1	Other Major	General	2	1
Commerce	Yes	2	All Major	General	2	2
English	Yes	1	All Major	General	1	1
Economics	Yes	2	1 for All and 1 for Other Major only	General	2	2
History	Yes	2	ALL Major History Major Students can take only one minor group offered by History	General	2	2
Physical Education	-	-	-		2	1
*All MDCs are Offered for Students from Other Major Disciplines. **SEC2 in Semester 5 is Offered for Students from Other Major Disciplines. ** SEC3 in Semester 6 is for students from the Same Major Discipline.						

Mandatory General Foundation Courses				
Discipline	AEC	VAC	MDC	SEC
English	8	4	4	4
Malayalam	6	3	3	-
Hindi	6	3	3	-
Sanskrit	6	3	3	-

MAJOR PATHWAY COURSES

Major Components shall be the main focus of study. By selecting a Major, the student shall be provided with an opportunity to pursue an in-depth study of a particular discipline.

Major components consist of three types :

Discipline Specific Core Courses,

Discipline Specific Elective Courses,

Research/ laboratory/ fieldwork.

Advanced Major Specialization shall include courses focused on a specific area of study attached to a specific Major, which could be an **Elective Course**. They shall include research methodology as well.

All students shall undergo **Internship or Apprenticeship** in a firm, industry or organization, or training in labs with faculty and researchers of their own institution or other Higher Educational Institutions (HEIs) or research institutions in the 6th semester. Students can do a **Research Project** (Optional/Mandatory) of 12 Credits in the 8th semester depending upon the nature of the programme in the year 4.

In Sri Vyasa NSS College, we offer the following major disciplines,

1. **Botany**
2. **Physics**
3. **Chemistry**
4. **Mathematics**
5. **Commerce**
6. **English**
7. **History**
8. **Economics**

BOTANY

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	BOT1CJ101	Aesthetic Botany	5	4
2	BOT2CJ101	Microbial Diversity & Phyto-Pathology	5	4
3	BOT3CJ201	Plant Embryology, Palynology & Evolution	4	4
	BOT3CJ202	Plant Anatomy & Analytical techniques	5	4
4	BOT4CJ203	Plant diversity I	5	4
	BOT4CJ204	Phytochemistry & Pharmacognosy	5	4
	BOT4CJ205	Cell & Molecular Biology	5	4
5	BOT5CJ301	Plant diversity II	5	4
	BOT5CJ302	Angiosperm Morphology, Systematics & Plant Resources	5	4
	BOT5CJ303	Genetics, Plant breeding & Palaeobotany	4	4
	BOT5EJ301(1)	Conservation Biology	4	4
	BOT5EJ303(2)	Plant Resource Utilization & Bioprospecting	4	4
6	BOT6CJ304	Plant Physiology & Metabolism	5	4
	BOT6CJ305	Plant Biotechnology, Nanotechnology & Bioinformatics	5	4
	BOT6CJ306	Environmental Science & Phytogeography	4	4
	BOT6EJ302(1)	Invasive Plant Ecology	4	4
	BOT6EJ304(2)	Botanical Entrepreneurship	4	4
	BOT6CJ349	Internship in Major	-	2
Total Credits for Three Years			:	50
5	BOT5CJ401	Microbiology, Mycology & Phycology	5	4
	BOT5CJ402	Bryophytes, Pteridophytes & Gymnosperms	5	4
	BOT5CJ403	Advanced Plant Systematics	5	4
	BOT5CJ404	Advanced Cell & Molecular Biology	5	4
	BOT5CJ405	Multi-omics Approach in Biology	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	BOT8CJ406	Geobotanical mapping & Sustainable development	5	4
	BOT8CJ405	Crop Improvement & Plant Pathology	4	4
	BOT8CJ408	Smart farming	4	4
	OR instead of above 3 Major Courses in Semester 8			
	BOT8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	BOT8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	BOT8EJ406	Genetics & Cancer Biology	4	4
	BOT8EJ403	Industrial Biotechnology & Plant Genetic Engineering	4	4
	BOT8EJ402	Computational Biology & Data Analysis	4	4
	OR instead of Elective-5 (El-5) in Semester 8 (Honours with Research Degree Only)			
	BOT8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

PHYSICS

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	PHY1CJ101	Fundamentals of Physics	5	4
2	PHY2CJ101	Electronics – I	5	4
3	PHY3CJ201	Mechanics – I	4	4
	PHY3CJ202	Computational Physics	5	4
4	PHY4CJ203	Electrodynamics – I	5	4
	PHY4CJ204	Mechanics –II	5	4
	PHY4CJ205	Modern Physics	5	4
5	PHY5CJ301	Electrodynamics –II	5	4
	PHY5CJ302	Optics	5	4
	PHY5CJ303	Quantum Mechanics – I	4	4
	PHY5EJ301(1)	Properties of Solids (El-1)	4	4
	PHY5EJ302(1)	Materials Science (El-2)	4	4
6	PHY6CJ304	Thermodynamics	5	4
	PHY6CJ305	Electronics – II	5	4
	PHY6CJ306	Nuclear and Particle Physics	4	4
	PHY6EJ301(1)	Nano Science and Technology (El-3)	4	4
	PHY6EJ302(1)	Optoelectronic and Semiconductor Devices (El-4)	4	4
	PHY6CJ349	Internship in Major	-	2
Total Credits for Three Years			:	50
5	PHY5CJ401	Mathematical Physics	5	4
	PHY5CJ402	Classical Mechanics	5	4
	PHY5CJ403	Quantum Mechanics–II	5	4
	PHY5CJ404	Statistical Mechanics	5	4
	PHY5CJ405	Electronics – III	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	PHY8CJ406	Solid State Physics	5	4
	PHY8CJ405	Spectroscopy	4	4
	PHY8CJ408	Electrodynamics–III	4	4
	OR instead of above 3 Major Courses in Semester 8			
	PHY8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	PHY8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	PHY8EJ401	Quantum Computation and Quantum Information (El-5)	4	4
	PHY8EJ402	Artificial Intelligence and Machine Learning in Physics (El-6)	4	4
	PHY8EJ405	Communication Electronics (El-5)	4	4
	OR instead of Elective-5 (El-5) in Semester 8 (Honours with Research Degree Only)			
	PHY8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

CHEMISTRY

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	CHE1CJ 101	INORGANIC CHEMISTRY -I	5	4
2	CHE2CJ101	PHYSICAL CHEMISTRY – I	5	4
3	CHE3CJ201	THEORETICAL CHEMISTRY-I	4	4
	CHE3CJ202	ORGANIC CHEMISTRY-I	5	4
4	CHE4CJ203	INORGANIC CHEMISTRY – II	5	4
	CHE4CJ204	ORGANIC CHEMISTRY-II	5	4
	CHE4CJ205	PHYSICAL CHEMISTRY – II	5	4
5	CHE5CJ301	THEORETICAL CHEMISTRY-II	4	4
	CHE5CJ302	INORGANIC CHEMISTRY – III	5	4
	CHE5CJ303	ORGANIC CHEMISTRY-III	5	4
	CHE5EJ302(1)	NANO SCIENCE AND NANO TECHNOLOGY (EI-1)	4	4
	CHE5EJ303(1)	BIO COORDINATION CHEMISTRY (EI-2)	4	4
6	CHE6CJ304	INORGANIC CHEMISTRY – IV	4	4
	CHE6CJ305	ORGANIC CHEMISTRY-IV	5	4
	CHE6CJ306	PHYSICAL CHEMISTRY – III	5	4
	CHE6EJ311(1)	POLYMER CHEMISTRY (EI-3)	4	4
	CHE6EJ313(1)	ADVANCED ENERGY MATERIALS (EI-4)	4	4
	CHE6CJ349	Internship in Major	-	2
Total Credits for Three Years			:	50
5	CHE5CJ401	THEORETICAL CHEMISTRY III	5	4
	CHE5CJ402	INORGANIC CHEMISTRY-V	5	4
	CHE5CJ403	ORGANIC CHEMISTRY V	5	4
	CHE5CJ404	PHYSICAL CHEMISTRY IV	5	4
	CHE5CJ405	INSTRUMENTAL METHODS OF ANALYSIS	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	CHE8CJ406	INORGANIC CHEMISTRY-VI	4	4
	CHE8CJ405	ORGANIC CHEMISTRY VI	5	4
	CHE8CJ408	PHYSICAL CHEMISTRY V	4	4
	OR instead of above 3 Major Courses in Semester 8			
	CHE8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	CHE8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	CHE8EJ409	INDUSTRIAL CATALYSIS (EI-5)	4	4
	CHE8EJ411	MODERN ORGANIC SYNTHESIS (EI-6)	4	4
	CHE8EJ414	ADVANCED TOPICS IN INORGANIC CHEMISTRY (EI-5)	4	4
	OR instead of Elective-5 (EI-5) in Semester 8 (Honours with Research Degree Only)			
	CHE8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

MATHEMATICS

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	MAT1CJ101	Differential Calculus	4	4
2	MAT2CJ101	Integral Calculus	4	4
3	MAT3CJ201	Multi Variable Calculus	5	4
	MAT3CJ202	Matrix Algebra	4	4
4	MAT4CJ203	Real Analysis I	5	4
	MAT4CJ204	Basic Linear Algebra	4	4
	MAT4CJ205	Python and SageMath	5	4
5	MAT5CJ301	Real Analysis II	5	4
	MAT5CJ302	Abstract Algebra I	4	4
	MAT5CJ303	Complex Analysis I	4	4
	MAT5EJ303(2)	Conex Optimization	4	4
	MAT5EJ304(2)	Applied Probability	4	4
6	MAT6CJ304	Complex Analysis II	4	4
	MAT6CJ305	Elementary Number Theory	4	4
	MAT6CJ306	Methods of Differential Equations	4	4
	MAT6EJ303(2)	Machine Learning I	4	4
	MAT6EJ304(2)	Machine Learning II	4	4
	MAT6CJ349	Internship in Major		2
Total Credits for Three Years			:	50
5	MAT5CJ401	Mathematical Analysis	5	4
	MAT5CJ402	General Topology	5	4
	MAT5CJ403	Abstract Algebra II	5	4
	MAT5CJ404	Linear Algebra	5	4
	MAT5CJ405	Discrete Mathematics	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	MAT8CJ406	Basic Measure Theory	5	4
	MAT8CJ405	Number Theory	4	4
	MAT8CJ408	Differential Equations	4	4
	OR instead of above 3 Major Courses in Semester 8			
	MAT8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	MAT8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	MAT8EJ402	Partial Differential Equations	4	4
	MAT8EJ406	Operations Research	4	4
	MAT8EJ408	Introduction to Fractals	4	4
	OR instead of Elective-5 (El-5) in Semester 8 (Honours with Research Degree Only)			
	PHY8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

ENGLISH

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	ENG1CJ101	Introduction to the World of Literature	5	4
2	ENG2CJ101	Reading Fiction	4	4
3	ENG3CJ201	Drama: Exploring the Literary and Performatory Elements - I	4	4
	ENG3CJ202	Language in Action	5	4
4	ENG4CJ203	Journey through the World of Poetry	4	4
	ENG4CJ204	Literary Criticism	4	4
	ENG4CJ205	Gender Perspectives in Literatures	4	4
5	ENG5CJ301	Fundamentals of Film Studies	4	4
	ENG5CJ302	Foundations of Literary Theory	4	4
	ENG5CJ303	Introduction to Language and Linguistics	5	4
	ENG5EJ303(2)	Literature and Race	4	4
	ENG5EJ304(2)	Narratives of Middle East	4	4
6	ENG6CJ304	Narrative Constructs in Non-Fiction	4	4
	ENG6CJ305	Introducing Cultural Studies	4	4
	ENG6CJ306	Literature and Ecology	4	4
	ENG6EJ303(2)	Adaptations in Literature (El-3)	4	4
	ENG6EJ304(2)	Geopolitical Dynamics in Literature (El-4)	4	4
	ENG6CJ349	Internship in Major	-	2
Total Credits for Three Years			:	50
5	ENG5CJ401	British Literature: Chaucer to 19th Century	5	4
	ENG5CJ402	British Literature: From 20th Century to 21st Century	5	4
	ENG5CJ403	American Literature	5	4
	ENG5CJ404	Advanced Critical Theory	5	4
	ENG5CJ405	Postcolonial Studies	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	ENG8CJ406	Advanced Linguistics	4	4
	ENG8CJ405	Art, Literature and Aesthetics	5	4
	ENG8CJ408	South Asian Literature	4	4
	OR instead of above 3 Major Courses in Semester 8			
	ENG8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	ENG8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	ENG8EJ402	English Language Teaching (El-5)	4	4
	ENG8EJ403	Applied Translational Studies (El-6)	4	4
	ENG8EJ405	Contemporary Writings from Kerala (El-5)	4	4
	OR instead of Elective-5 (El-5) in Semester 8 (Honours with Research Degree Only)			
	ENG8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

COMMERCE

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	COM1CJ101	MANAGEMENT PRINCIPLES AND APPLICATIONS	5	4
2	COM2CJ101	FINANCIAL ACCOUNTING	5	4
3	COM3CJ201	BUSINESS REGULATIONS	4	4
	COM3CJ202	CORPORATE ACCOUNTING	5	4
4	COM4CJ203	CORPORATE REGULATIONS & GOVERNANCE	5	4
	COM4CJ204	APPLIED COSTING AND CONTROL	5	4
	COM4CJ205	BUSINESS STATISTICS	5	4
5	COM5CJ301	INCOME TAX LAW AND ACCOUNTS	5	4
	COM5CJ302	MANAGEMENT ACCOUNTING	5	4
	COM5CJ303	PRINCIPLES OF MARKETING	4	4
	COM5EJ301	MANAGEMENT OF FINANCIAL SERVICES (1)	4	4
	COM5EJ302	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT(EL 2)	4	4
6	COM6CJ304	AUDITING AND ASSURANCE	4	4
	COM6CJ305	INCOME TAX AND GST	5	4
	COM6CJ306	METHODOLOGY FOR BUSINESS RESEARCH	5	4
	COM6EJ301	FINANCIAL DERIVATIVES (EI-3)	4	4
	COM6EJ302	FINANCIAL MANAGEMENT (EI-4)	4	4
	COM6CJ349	INTERNSHIP IN MAJOR	-	2
Total Credits for Three Years			:	50
5	COM5CJ401	ECONOMIC ENVIRONMENT OF BUSINESS	5	4
	COM5CJ402	MERGERS, ACQUISITION AND CORPORATE RESTRUCTURING	5	4
	COM5CJ403	FORENSIC ACCOUNTING	5	4
	COM5CJ404	ORGANISATIONAL BEHAVIOUR	5	4
	COM5CJ405	INTERNATIONAL BUSINESS	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	COM8CJ406	STRATEGIC MANAGEMENT	5	4
	COM8CJ405	BUSINESS VALUATION STRATEGIES	4	4
	COM8CJ408	STRATEGIC FINANCIAL MANAGEMENT	4	4
	OR instead of above 3 Major Courses in Semester 8			
	COM8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	COM8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	COM8EJ401	CONTEMPORARY HR LEADERSHIP (EL 5)	4	4
	COM8EJ402	BEHAVIOURAL FINANCE (EL 6)	4	4
	COM8EJ403	TOTAL QUALITY MANAGEMENT (EL 5)	4	4
	OR instead of Elective-5 (EI-5) in Semester 8			
	COM8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

ECONOMICS

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	ECO1CJ101	Principles of Economics	5	4
2	ECO2CJ102	Budget Analysis	5	4
3	ECO3CJ201	Analytical Tools for Economics-I	4	4
	ECO3CJ202	Evolution of Economic Theories	4	4
4	ECO4CJ203	Intermediate Micro Economics	4	4
	ECO4CJ204	Intermediate Macro Economics	4	4
	ECO4CJ205	Analytical Tools for Economics-II	4	4
5	ECO5CJ301	Advanced Micro Economics	4	4
	ECO5CJ302	International Trade Theories	4	4
	ECO5CJ303	Growth Theories in Economics	4	4
	ECO5EJ301	Gender Analysis in Economics	4	4
	ECO5EJ302	Environment and Sustainable Development	4	4
6	ECO6CJ304	Development Issues in Indian Economy	4	4
	ECO6CJ305	Elementary Econometrics	5	4
	ECO6CJ306	Advanced Macro Economics	4	4
	ECO6EJ308	Agricultural Economics	4	4
	ECO6EJ311	Basic Methods for Economic Research	4	4
	ECO6CJ349	Internship in Major	-	2
Total Credits for Three Years :				50
5	ECO5CJ401	Time Series Econometrics	5	4
	ECO5CJ402	Game Theory and Economic Behaviour	5	4
	ECO5CJ403	Development Theories and Models	5	4
	ECO5CJ404	Balance of Payments and Exchange Market	5	4
	ECO5CJ405	Development Issues in Kerala	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	ECO8CJ406	Macro Economic Models and Measurement	5	4
	ECO8CJ405	Applied Micro Economics and Evaluation	4	4
	ECO8CJ408	Heterodox Economics	4	4
	OR instead of above 3 Major Courses in Semester 8			
	ECO8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	ECO8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	ECO8EJ402	Banking and Insurance	4	4
	ECO8EJ403	Economics of Education	4	4
	ECO8EJ406	Finance and Technology	4	4
	OR instead of Elective-5 (EI-5) in Semester 8			
	ECO8CJ489	Methods for Quantitative Research in Economics	4	4
Total Credits for Four Years			:	114

HISTORY

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
1	HIS1CJ101	History of Keralam up to 12th CE	4	4
2	HIS2CJ101	History of Keralam from 13th CE to 18th CE	4	4
3	HIS3CJ201	History of India up to 6th CE	4	4
	HIS3CJ202	History of Keralam from 19th CE to the Present	4	4
4	HIS4CJ203	History of India from 5th CE to 18th CE	4	4
	HIS4CJ204	History of World up to 5th CE	4	4
	HIS4CJ205	History of World from 6th CE to 15th CE	4	4
5	HIS5CJ301	History of India from 18th CE to 1945	4	4
	HIS5CJ302	History of World from 16th CE to 1848	4	4
	HIS5CJ303	School of Historical Thoughts	4	4
	HIS5EJ301	Gender in History	4	4
	HIS5EJ305	History of Human Rights	4	4
6	HIS6CJ304	History of India from 1945 to the Present	4	4
	HIS6CJ305	History of the World from 19th CE to the Present	4	4
	HIS6CJ306	Writing History – Methods and Practice	4	4
	HIS6EJ301	History of Indian Archaeology	4	4
	HIS6EJ305	Artificial Intelligence and the Study of History	4	4
	HIS6CJ349	Internship in Major	-	2
Total Credits for Three Years			:	50
5	HIS5CJ401	History and Theory	5	4
	HIS5CJ402	History of Keralam: Problems and Perspectives	5	4
	HIS5CJ403	Selected Themes in Indian History	5	4
	HIS5CJ404	Selected Themes in World History	5	4
	HIS5CJ405	Selected Themes in South Indian History	5	4

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
8	Four Year Honours Degree			
	HIS8CJ406	Sources in Historical Studies	5	4
	HIS8CJ405	Research in Local History – Methods and Practice	4	4
	HIS8CJ408	History of Kerala Education	4	4
	OR instead of above 3 Major Courses in Semester 8			
	HIS8CJ449	Optional Project	13	12
	Four Year Honours with Research Degree			
	HIS8CJ449	Instead of the above 12 credits A Mandatory Project	13	12
	HIS8EJ401	History of Marginalized in Kerala	4	4
	HIS8EJ402	Kerala and Indian Ocean	4	4
	HIS8EJ403	History of Prisons and Prison life in Kerala	4	4
	OR instead of Elective-5 (EI-5) in Semester 8			
	HIS8CJ489	Principles of Research Methodology	4	4
Total Credits for Four Years			:	114

MINOR PATHWAY COURSES

The students in a Major discipline can choose as their Minor stream the Minor courses offered by the same discipline or a different discipline. In the former case the content of the Minor stream can be related to the Major discipline, but the Minor stream should maintain a distinct academic identity. Students shall have the option to choose courses from disciplinary/interdisciplinary Minors and skill-based courses related to a chosen vocational education programme.

In Sri Vyasa NSS College, we offer minor courses in the following disciplines,

- 1. Physics**
- 2. Chemistry**
- 3. Mathematics**
- 4. Zoology**
- 5. Statistics**
- 6. Commerce**
- 7. English**
- 8. History**
- 9. Economics**

Physics

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I - MATERIALS PHYSICS (For Students Other than Physics Major)				
1	PHY1MN102	Properties of Matter and Thermodynamics	5	4
2	PHY2MN102	Modern Physics and Nuclear Physics	5	4
3	PHY3MN202	Solid State Physics and Spectroscopy	5	4
Max Limit for Number of Students in this Minor Group Courses : 35				

Chemistry

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I – BASIC AND APPLIED CHEMISTRY (For Students Other than Chemistry Major)				
1	CHE1MN106	COORDINATION CHEMISTRY	5	4
2	CHE2MN106	FUNDAMENTALS OF PHYSICAL CHEMISTRY	5	4
3	CHE3MN206	APPLIED ORGANIC CHEMISTRY	5	4
Max Limit for Number of Students in this Minor Group Courses : 35				
MINOR II – VOCATIONAL MINOR - POLYMER CHEMISTRY (For Students Other than Chemistry Major)				
1	CHE1VN102	INTRODUCTION TO POLYMER CHEMISTRY	5	4
2	CHE2VN102	COMMERCIAL POLYMERS	5	4
3	CHE3VN202	PLASTICS AND FIBER TECHNOLOGY	5	4
Max Limit for Number of Students in this Minor Group Courses : 20				

Mathematics

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
Minor I - FOUNDATIONS OF MATHEMATICAL APPLICATIONS (For Students Other than Mathematics Major)				
1	MAT1MN102	Differential Calculus	4	4
2	MAT2MN102	Calculus and Matrix Algebra	4	4
3	MAT3MN202	Differential Equations and Fourier Series	4	4
Max Limit for Number of Students in this Minor Group Courses : 55				

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
Minor II - VOCATIONAL MINOR - INTRODUCTION TO AI (For Students Other than Mathematics Major)				
1	MAT1VN101	Python Programming	5	4
2	MAT2VN101	Linear Algebra for Machine Learning	5	4
3	MAT3VN201	Introduction to Machine Learning	5	4
Max Limit for Number of Students in this Minor Group Courses : 20				
Minor III - MATHEMATICAL ECONOMICS (For Students from ALL Major Disciplines)				
1	MAT1MN106	Principles of Micro Economics	4	4
2	MAT2MN106	Optimization Techniques in Economics	4	4
3	MAT3MN206	Applied Mathematics for Economic Analysis	4	4
Max Limit for Number of Students in this Minor Group Courses : 55				

Statistics

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I – DESCRIPTIVE AND INFERENTIAL STATISTICS (For Students from ALL Major Disciplines)				
1	STA1MN101	Descriptive Statistics for Data Science	5	4
2	STA2MN101	Probability theory I	5	4
3	STA3MN201	Statistical inference using R	5	4
Max Limit for Number of Students in this Minor Group Courses : 50				

Zoology

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I – GENERAL ZOOLOGY (For Students from ALL Major Disciplines)				
1	ZOO1MN101	Foundations of Environmental Biology & Animal Behaviour	5	4
2	ZOO2MN101	Introductory Human Physiology	5	4
3	ZOO3MN201	Animal Diversity, Reproductive Biology & Developmental Biology	5	4
Max Limit for Number of Students in this Minor Group Courses : 35				

English

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I – ENGLISH AT WORKSPACE (For Students from ALL Major Disciplines)				
1	ENG1MN102	THE LANGUAGE OF DIGITAL SPACE: ENGLISH AND NEW MEDIA	4	4
2	ENG2MN102	PROFESSIONAL PRESENTATION SKILLS IN ENGLISH	4	4
3	ENG3MN202	WRITING FOR THE SCREEN: THEORY AND PRAXIS	4	4
Max Limit for Number of Students in this Minor Group Courses : 35				

Commerce

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I – FINANCIAL STUDIES (For Students from ALL Major Disciplines)				
1	COM1MN105	BASICS OF FINANCIAL MARKETS	5	4
2	COM2MN105	ESSENTIALS OF INVESTMENT	5	4
3	COM3MN205	PERSONAL FINANCIAL PLANNING	5	4
Max Limit for Number of Students in this Minor Group Courses : 60				
MINOR II – FINTECH (For Students from ALL Major Disciplines)				
1	COM1MN106	FOUNDATIONS OF MODERN BANKING	5	4
2	COM2MN106	LIFE INSURANCE : FUNDAMENTALS AND APPLICATIONS	5	4
3	COM3MN206	FINTECH	5	4
Max Limit for Number of Students in this Minor Disciple Courses : 65				

History

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
MINOR I - HISTORICAL TOURISM (For Students from ALL Major Disciplines)				
1	HIS1MN108	Introduction to Historical Tourism	4	4
2	HIS2MN108	Entrepreneurship in Historical Tourism	4	4
3	HIS3MN208	Best Practices in Historical Tourism	4	4
Max Limit for Number of Students in this Minor Group Courses : 55				
MINOR II - KERALA MODEL IN CULTURAL LIFE (For Students from OTHER Major Disciplines)				
1	HIS1MN114	History of Malayalam Cinema	4	4
2	HIS2MN114	History of Malayalam Dramas	4	4
3	HIS3MN214	Library and Literacy Movement in Kerala	4	4
Max Limit for Number of Students in this Minor Group Courses : 60				

Economics

SEMESTER	COURSE CODE	COURSE TITLE	HOURS/WEEK	CREDITS
Minor I - MONETARY POLICY IN PRACTICE (For Students from ALL Major Disciplines)				
1	ECO1MN102	Monetary Tools for Policy Formulation	4	4
2	ECO2MN102	Monetary Policy and Stabilization	4	4
3	ECO3MN202	Monetary Policy in India	4	4
Max Limit for Number of Students in this Minor Group Courses : 55				
Minor II - INDIAN ECONOMIC DEVELOPMENT (For Students from OTHER Major Disciplines)				
1	ECO1MN104	Development Issues in Indian Economy	4	4
2	ECO2MN104	Trade Policy in India	4	4
3	ECO3MN204	Knowledge Economy in India	4	4
Max Limit for Number of Students in this Minor Group Courses : 60				

General Foundation Courses

General Foundation Courses in the context of the CU-FYUGP refer to the fundamental courses that are common for all students enrolled in the undergraduate programme. These courses are designed to provide students with a broad academic base and essential skills necessary for their overall development and success in higher education.

General Foundation Courses (GFCs) typically cover a range of subjects and skills, including but not limited to:

- Basic theories, concepts, and principles relevant to various disciplines.
- Critical thinking skills and analytical abilities.
- Communication skills, both written and verbal.
- Problem-solving techniques.
- Introduction to research methodologies.
- Understanding of ethical and social issues in different fields.

By offering General Foundation Courses, Sri Vyasa NSS College aims to ensure that all students have a strong academic foundation and are equipped with the necessary skills to pursue advanced studies in their chosen disciplines within the Four-Year Undergraduate Programme.

All Mandatory GFC's of English discipline in each semester consist of 4 courses in which the course with course codes **(1A) is strictly designed for B.A English Students** , **(1B) is strictly designed for Other B.A Students**, **(2) is strictly designed for B.Sc Students**, **(3) is strictly designed for B.Com Students**.

All Mandatory GFC's of Language disciplines (Hindi, Malayalam, Sanskrit) in each semester consist of 3 courses in which the course with course codes **(1) is strictly designed for B.A Students** including English, **(2) is strictly designed for B.Sc Students**, **(3) is strictly designed for B.Com Students**.

MDC3 (Kerala Studies) in Semester 3 is offered by English and other language departments. If the students opt other language for MDC3, then it must be from the language they opted as their second language during the first 2 semesters.

Discipline Specific General Foundation Courses MDC1, MDC2, and SEC2, in Semester 1,2, and 5 respectively, are open for all. SEC6 in semester-6 is offered by the major discipline for their major students only.

Discipline Specific General Foundation Courses					
Discipline	Major	MDC*		SEC**	
		Semester - I	Semester - II	Semester - V	Semester - VI
Botany	Yes	-	-	-	1
Chemistry	Yes	1	-	-	1
Mathematics	Yes	1	1	1	1
Physics	Yes	1	-	-	1
Statistics	-	-	1	1	-
Zoology	-	1	1	1	-
Commerce	Yes	1	1	1	1
English	Yes	1	1	-	1
Economics	Yes	1	1	1	1
History	Yes	1	1	1	1
Physical Education	-	1	1	1	-
*All MDCs are Offered for Students from Other Major Disciplines. **SEC2 in Semester 5 is Offered for Students from Other Major Disciplines. ** SEC3 in Semester 6 is for students from the Same Major Discipline.					

Mandatory General Foundation Courses

English

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	ENG1FA101(1A)	English Language Skills for Literatures	AEC1	3
1	ENG1FA101(1B)	English Language Skills for Humanities and Other B.A. Programs	AEC1	3
1	ENG1FA101(2)	English Language Skills for Sciences	AEC1	3
1	ENG1FA101(3)	English Language Skills for Commerce and Management	AEC1	3
2	ENG2FA103(1A)	Advanced Language Skills for Literatures	AEC3	3
2	ENG2FA103(1B)	Advanced English Language Skills for Humanities and Other B.A. Programs	AEC3	3
2	ENG2FA103(2)	Advanced English Language Skills for Sciences	AEC3	3
2	ENG2FA103(3)	Advanced English Language Skills for Commerce and Management	AEC3	3
3	ENG3FM107(1A)	Understanding Kerala: Cultural and Literary Perspectives	MDC 3	3
3	ENG3FM107(1B)	Understanding Kerala: Society, Economy and Ecology	MDC 3	3
3	ENG3FM107(2)	Understanding Kerala: Science, Culture and Literature	MDC 3	3
3	ENG3FM107(3)	Understanding Kerala: Narratives of Development, Commerce and Entrepreneurship	MDC 3	3
3	ENG3FV108(1A)	Framing Values: Literary and Cultural Narratives for Languages	VAC 1	3
3	ENG3FV108(1B)	Framing Values: Literary and Cultural Narratives for Humanities and other B.A.	VAC 1	3
3	ENG3FV108(2)	Framing Values: Literary and Cultural Narratives for Sciences	VAC 1	3
3	ENG3FV108(3)	Framing Values: Literary and Cultural Narratives for Commerce and Management	VAC 1	3
4	ENG4FV109(1A)	Framing Perspectives: Literary and Cultural Narratives for Languages	VAC 2	3

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
4	ENG4FV109(1B)	Framing Perspectives: Literary and Cultural Narratives for Humanities and other B.A.	VAC 2	3
4	ENG4FV109(2)	Framing Perspectives: Literary and Cultural Narratives for Sciences	VAC 2	3
4	ENG4FV109(3)	Framing Perspectives: Literary and Cultural Narratives for Commerce and Management	VAC 2	3
4	ENG4FS111(1A)	Contemporary Language Skills for Literatures	SEC1	3
4	ENG4FS111 (1B)	Contemporary Language Skills for Humanities and other B.A Programmes	SEC1	3
4	ENG4FS111 (2)	Contemporary Language Skills for Science	SEC1	3
4	ENG4FS111 (3)	Contemporary Language Skills for Commerce and Management	SEC1	3

Hindi

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	HIN1FA102(1)	Enhancement in Communication and Creative writing in Hindi Language- Part -1	AEC2	3
1	HIN1FA102(2)	Communication and Creative writing in Hindi Language - Part -1	AEC2	3
1	HIN1FA102(3)	Communication Skills Enhancement - Part -1	AEC2	3
2	HIN 2FA104(1)	Enhancement in Communication and Creative writing in Hindi Language- Part -2	AEC4	3
2	HIN 2FA104(2)	Communication and Creative writing in Hindi Language - Part -2	AEC4	3
2	HIN 2FA104(3)	Communication Skills Enhancement - Part -2	AEC4	3
3	HIN3FM107(1)	The Cultural History of Kerala	MDC 3	3
3	HIN 3FM107(2)	The Cultural Aesthetics of Kerala	MDC 3	3
3	HIN 3FM107(3)	The Economic Developement of Kerala	MDC 3	3
4	HIN 4FV110(1)	The Light of Humanity in Hindi Literature	VAC3	3
4	HIN 4FV110 (2)	The Protection of Humanity in Hindi Literature	VAC3	3
4	HIN 4FV110 (3)	Harmony of Humanity in Hindi Literature	VAC3	3

Malayalam

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	MAL1FA102(1)	Literary Practices in Malayalam	AEC2	3
1	MAL1FA102(2)	Malayalam Literary Appreciation	AEC2	3
1	MAL1FA102(3)	Understanding Literature in Malayalam	AEC2	3
2	MAL2FA104(1)	Communicative Malayalam and Creative Writing	AEC4	3
2	MAL2FA104(2)	Communicative Malayalam and Science Writing	AEC4	3
2	MAL2FA104(3)	Communicative Malayalam and Business Writing	AEC4	3
3	MAL3FM107(1)	Kerala Society and Cultural Traditions	MDC 3	3
3	MAL3FM107(2)	Kerala Society and Scientific Knowledge Traditions	MDC 3	3
3	MAL3FM107(3)	Kerala Society and Trade Culture	MDC 3	3
4	MAL4FV110(1)	Literature and Humanity	VAC3	3
4	MAL4FV110 (2)	Science and Humanity	VAC3	3
4	MAL4FV110 (3)	Trade and Humanity	VAC3	3

Sanskrit

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	SAN1FA102(1)	Introduction to Sanskrit Literature	AEC2	3
1	SAN1FA102(2)	Outlines of Sanskrit Literature	AEC2	3
1	SAN1FA102(3)	The Essence of Sanskrit Literature	AEC2	3
2	SAN2FA104(1)	Introduction to Sanskrit Fables and Drama	AEC4	3
2	SAN2FA104(2)	Outlines of Sanskrit Fables and Drama	AEC4	3
2	SAN2FA104(3)	The Essence of Sanskrit Fables and Drama	AEC4	3
3	SAN3FM107(1)	Contribution of Kerala to Sanskrit Knowledge Systems	MDC 3	3
3	SAN3FM107(2)	Imprints of Kerala Culture in Sanskrit Language	MDC 3	3
3	SAN3FM107(3)	Influence of Sanskrit Knowledge Systems in Kerala	MDC 3	3
4	SAN3FM107(1)	Contribution of Kerala to Sanskrit Knowledge Systems	VAC3	3
4	SAN3FM107(2)	Imprints of Kerala Culture in Sanskrit Language	VAC3	3
4	SAN3FM107(3)	Influence of Sanskrit Knowledge Systems in Kerala	VAC3	3

Discipline Specific General Foundation Courses

Botany

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
6	BOT6FS113(1)	Phytochemical Techniques	SEC 3	3

Physics

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	PHY1FM105	Physics in Everyday Life	MDC 1	3
6	PHY6FS113	Data Analysis in Physical Sciences	SEC 3	3

Chemistry

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	CHE1FM105	ENVIRONMENTAL CHEMISTRY	MDC 1	3
2	CHE2FM106	CHEMISTRY IN DAILY LIFE	MDC 2	3
5	CHE5FS113	CHEMISTRY OF COSMETICS	SEC 2	3
6	CHE6FS114	ANALYTICAL TECHNIQUES IN WATER QUALITY ASSESSMENT	SEC 3	3

Mathematics

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	MAT2FM106(1)	Mathematics for Competitive Exams - Part I	MDC 1	3
2	MAT2FM106(2)	Mathematics for Competitive Exams - Part II	MDC 2	3
5	MAT5FS112	Mathematics Type Setting System - LaTeX	SEC 2	3
6	MAT6FS113	Data Science with Python	SEC 3	3

Statistics

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	STA1FM105(1)	Quality Control	MDC 1	3
2	STA2FM105(1)	Managerial Decision Making	MDC 2	3
5	STA5FS112(1)	Statistical analysis using Python	SEC 2	3

Zoology

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	ZOO1FM105 (2)	Reproductive Health and Sex Education	MDC 1	3
2	ZOO2FM106 (1)	Aquaculture And Ornamental Fish Farming	MDC 2	3
5	ZOO5FS112	Laboratory Equipment Maintenance & Museum Curator	SEC 2	3

English

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	ENG1FM 105	Introducing Print and Digital Narratives	MDC 1	3
6	ENG6FS113	Academic Writing (SEC 3)	SEC 3	3

Commerce

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	COM1FM105	STOCK MARKET FUNDAMENTALS	MDC 1	3
2	COM2FM106	FINANCIAL LITERACY	MDC 2	3
5	COM5FS112 (1)	ADVANCED SPREADSHEET APPLICATIONS IN BUSINESS	SEC 2	3
6	COM6FS113 (1)	STOCK MARKET INVESTMENT AND TRADING	SEC 3	3

Economics

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	ECO1FM105	Security Trading Practices	MDC 1	3
2	ECO2FM106	Digital Economy	MDC 2	3
5	ECO5FS112	Big Data Analysis in Economics	SEC 2	3
6	ECO6FS113	Economics Research with R	SEC 3	3

History

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	HIS1FM105-1	Historical Tourism in India	MDC 1	3
2	HIS2FM106-3	History of Music in Kerala	MDC 2	3
5	HIS5FS112-1	Heritage Walk and Field Survey	SEC 2	3
6	HIS6FS113-2	Digital History	SEC 3	3

Physical Education

SEMESTER	COURSE CODE	COURSE TITLE	GFC	CREDITS
1	PEN1FM105(1)	Yoga and Stress Management	MDC 1	3
2	PEN2FM106(1)	Physical Fitness and Active Living	MDC 2	3
5	PEN5FS107(3)	Physical Fitness & Exercise Prescription	SEC 2	3