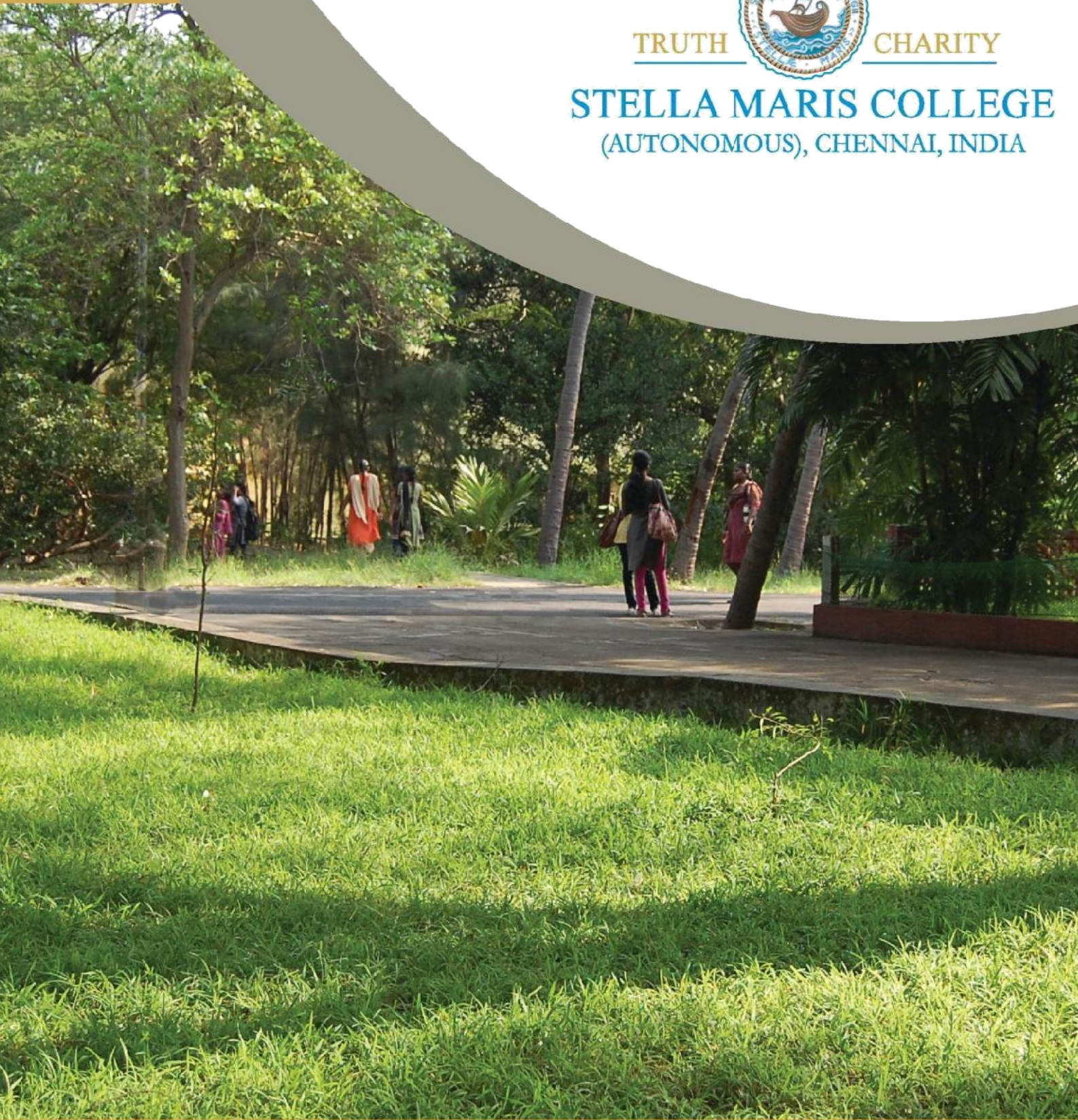




TRUTH

CHARITY

STELLA MARIS COLLEGE
(AUTONOMOUS), CHENNAI, INDIA



PROSPECTUS | 2015-2016



- ❖ Founded on August 15, 1947
- ❖ An aided minority institution affiliated to the University of Madras
- ❖ Autonomous since 1987
- ❖ Choice Based Credit System introduced in 1997
- ❖ Awarded 5 Star Status by NAAC in 2000
- ❖ Re-accredited by NAAC in 2008 with a CGPA of 3.57 on a 4 point scale and in 2014 with a CGPA of 3.68 on a 4 point scale
- ❖ Accorded 'Star Department Status' in October 2013, to all the undergraduate Science Departments under the Star College Scheme of the Department of Biotechnology, Ministry of Science and Technology, Government of India for strengthening Basic Sciences and Biotechnology Education and Training
- ❖ Ranked among the top 10 colleges by INDIA TODAY

STELLA MARIS COLLEGE

(AUTONOMOUS), CHENNAI, INDIA

(Re-accredited by NAAC with an 'A' Grade and a CGPA of 3.68 on a 4 point scale)

ABOUT THE COLLEGE

Stella Maris College, a Catholic minority institution of higher education for women, was founded in 1947. Beginning in a small one-storey building on August 15th of that year with 32 students in Santhome, Mylapore, the College was relocated in 1960 to its present campus "The Cloisters" on Cathedral Road in the heart of the city of Chennai. Today, the College has an enrollment of around 4,100 students from diverse backgrounds, communities and nations.

The College is an autonomous institution affiliated to the University of Madras and is partly residential. It is under the management of the Society of the Franciscan Missionaries of Mary, a Catholic religious congregation founded by Blessed Mary of the Passion (Hélène de Chappotin) in Ootacamund, Tamil Nadu in 1877. Guided by her charism, the initiatives of the College arise from a sound philosophy of life based on faith in God and the contemporary reality of a pluralistic Indian society which is challenged by global ideologies and cultures. The College is committed to serving the economically and socially marginalised sections of society. It provides university education in a Christian atmosphere for deserving students, especially those belonging to the Catholic community. Admission is open to all irrespective of caste and creed and their rights of conscience are respected.

Truth and Charity is the motto of the College. To seek knowledge is to pursue truth. The College strives to encourage young women to continually search for Truth, and grow into mature and responsible women, ready to face the challenges of life at home and in society. The quest for truth and the untiring spirit of selfless service is the hallmark of a true Stella Marian.

The College emblem represents a ship sailing on stormy waters led by a star. This symbolises the student's life, guided amidst tempests by the light of the Star of the Sea, Stella Maris.

Blue and Gold are the colours of the Stella Maris standard. Blue symbolises truth, loyalty and fidelity and Gold symbolises love, zeal and charity.

Vision Statement

The vision of the College is to build a vibrant and inclusive learning community in a culture of excellence sustained by a sound value system that promotes responsible citizenship and effects social change.

Mission Statement

The mission of the College is to empower young women to face the challenges of life with courage and commitment, to be builders of a humane and just society, and to promote a learning community in which all, especially those from less privileged background, feel part of the collaborative high quality educational process which is value based and leads to holistic growth.

To realise this vision and accomplish its mission, the College has set the following objectives:

- to develop in the College, a community of individuals endowed with intellectual curiosity, and an eagerness for lifetime learning, who will use knowledge creatively for social transformation
- to form women of character, with sound moral principles and integrated personalities
- to instill in the students a sense of national pride and appreciation of Indian traditions and cultures
- to create awareness among students about current socio-economic, political and cultural issues and to denounce all forms of oppression relating to class, caste and gender
- to sensitise students to environmental issues, thus motivating them to promote ecological justice and sustainable development
- to establish a link between the institution and policy makers through collaborative research leading to social development

ACADEMIC PROGRAMMES

The College became autonomous in 1987 and has 14 undergraduate and 12 postgraduate programmes with 6 departments offering research programmes leading to M.Phil. and Ph.D. degrees. Postgraduate diploma and certificate courses are also part of the curriculum.

With the introduction of the Choice Based Credit System (CBCS) in 1997, the College began offering new academic programmes, including interdisciplinary courses. The goals of the CBCS are as follows:

- To provide a broad-based, liberal education for all students
- To provide them with greater flexibility in the choice of courses
- To enable them to choose courses at basic / advanced levels
- To enable them to progress at their own pace
- To enable highly motivated students to go beyond minimum requirements and earn extra credits

STRUCTURE OF THE DEGREE PROGRAMMES

The College follows the semester pattern requiring six semesters of study for a Bachelor's degree, eight semesters for B.V.A. and four semesters for a Master's degree. The duration of a semester is 90 working days.

In the CBCS, each course offered in a semester is assigned a certain number of credits, depending on the quantum of work required of the student.

B.A. / B.Sc. / B.Com. / B.Com. (CS) / B.C.A. / B.S.W. / B.V.A.

At the undergraduate level a student must necessarily complete a minimum of 149 credits for a Bachelor's degree and 174 credits for the Bachelor's Degree in Visual Arts.

The undergraduate programme has the following components:

Part I Foundation Course in Language

Tamil / Hindi / Sanskrit / French

*** For the Self – financing section : Tamil / Hindi / French**

*** Only students who have taken French at the Plus Two level may opt for French**

Part II Foundation Course in English

Part III (a) Major Core Courses

- (b) Allied Core Courses
- (c) Major Elective Courses
- (d) Allied Elective Courses

Part IV (a) General Elective Courses

- (b) Value Education
- (c) Environmental Studies
- (d) Soft Skills
- (e) Independent Electives

Part V (a) Student Training Programmes NSS / NCC / Games / Youth Red Cross

(b) Social Awareness Programme / Service Learning

Part I Language & Part II English are mandatory courses for all students.

Part III comprises Major Core, Allied Core, and Major Elective courses. In addition to Core courses a student is required to take courses under Part IV and Part V to obtain the minimum number of credits.

Students who have not studied Tamil up to Std X are required to take two courses in Basic Tamil of two credits each over two semesters.

Students who need training in English language skills are required to take two courses in Basic English of two credits each over two semesters.

M.A. / M.Sc. / M.Com. / M.S.W.

At the postgraduate level a student must necessarily complete a minimum of 91 credits for a Master's degree.

The postgraduate programmes have the following components:

Core Courses

Elective Courses

Value Education

Soft Skills

Social Awareness Programme

Internship

UNDERGRADUATE PROGRAMMES

A) OFFERED UNDER AIDED SECTION

Shift - I (7.50 am - 12.50 pm)

Degree	Discipline	Duration	Subjects required in Higher Secondary	PRESCRIBED FEES
B.A.	History and Tourism	3 yrs.	Any group in Higher Secondary	
B.A.	Sociology	3 yrs.		
B.A.	Economics	3 yrs.		
B.A.	English	3 yrs.		
B.V.A.	Visual Arts (Specialisation in Painting or Design)	4 yrs.		
B.Sc.	Mathematics	3 yrs.	Mathematics and Physics	
B.Sc.	Physics	3 yrs.	Physics, Mathematics & Chemistry	
B.Sc.	Chemistry	3 yrs.	Chemistry, Physics & Mathematics	
B.Sc.	Plant Biology & Plant Biotechnology	3 yrs.	Biology, Chemistry & Microbiology (or) Botany, Zoology, Chemistry / Biotechnology	
B.Sc.	Advanced Zoology & Biotechnology	3 yrs.	Zoology, Botany, Chemistry/ Biotechnology	
B.Com.	Commerce	3 yrs.	Commerce, Accountancy, Mathematics / Business Mathematics	

B) OFFERED UNDER THE SELF - FINANCING SECTION

Shift - II (12.00 noon - 5.30 pm)

Degree	Discipline	Duration	Subjects required in Higher Secondary	PRESCRIBED FEES
B.Sc.	Mathematics	3 yrs.	Mathematics and Physics	
B.Com.	Commerce	3 yrs.	Commerce, Accountancy, Mathematics / Business Mathematics	
B.Com.	Corporate Secretary-ship	3 yrs.	Commerce, Accountancy	
B.Com.	Accounting and Finance ***	3 yrs.	Commerce, Accountancy, Mathematics / Business Mathematics	
B.C.A.	Bachelor of Computer Applications	3 yrs.	Mathematics	
B.S.W.	Social Work (including field work)	3 yrs.	Any group in Higher Secondary and ability to read and speak Tamil	
DMLT	Diploma in Medical Laboratory Technology	1 yr.	Biology and Chemistry / Degree in Physical or Natural Sciences	
Certificate Course	English Language and Life Skills	1 yr.	Higher Secondary Passed / Graduates whose medium of instruction was any language other than English	

*** Subject to Affiliation from the University of Madras

Bachelor of Arts - B.A.

BRANCH I A – HISTORY AND TOURISM

Major Core Courses

Ancient India up to 700
Introduction to Tourism
Medieval India (712 - 1707)
Business of Tourism
India's Struggle for Independence
Social and Cultural History of Chennai City since 1639
Contemporary India
History of Europe (1789 - 1871)
History of World Civilisation
Tourism Marketing and Management
International Relations Since 1945
Indian Constitution
History of Europe (1871 - 1945)

Allied Core Courses

History of Tamil Nadu up to 16th Century
Pre-Colonial India up to 1858
Hospitality Management and Catering
Human Rights

Major Elective Courses

Project
Airport Customer Services
Women's Studies
Art and Architecture for Tourism

Allied Elective Course

Social Entrepreneurship
Appreciation of Indian Art
Journalistic Writing
Consumer Psychology

Independent Elective Courses

History of the USA
China and Japan in the 20th Century

BRANCH III – SOCIOLOGY

Major Core Courses

Principles of Sociology - I & II
Sociology of Indian Society
Social Anthropology
Development of Social Thought
Fundamentals of Social Research and Statistics
Sociological Theory
Sociology of Media
Crime and Victimology
Sociology of Ethnic Relations
Sociology of Religion
Environmental Sociology
Sociology of Globalisation

Allied Core Courses

Tribal Development
Women and Development
Social Gerontology
Social Psychology

Major Elective Courses

Non-Governmental Organisations (Skill Development Course)
Project
Organisational Behaviour
Logic and Scientific Methods

Allied Elective Course

Indian Heritage and Tourism
Appreciation of Indian Art
Journalistic Writing
Consumer Psychology

Independent Elective Courses

Corporate Social Responsibility
Social Networking

BRANCH IV – ECONOMICS

Major Core Courses

Micro Economics - I & II
Indian Economic Development - I & II
Monetary Economics I & II
Development Theory
Macro Economics - I & II
Public Finance - I & II
Economic Thought
International Economics

Allied Core Courses

Statistics for Economics
Mathematical Methods for Economics
Principles of Financial Management
Introductory Econometrics

Major Elective Courses

Environmental Economics
Research Methods and Economic Analysis
Human Resource Development
Project

Allied Elective Course

Social Entrepreneurship
Operations Research
Accounting Practices
Journalistic Writing
Consumer Psychology

Independent Elective Courses

Managerial Economics
Nobel Laureates in Economics

Branch XII – English

Major Core Courses

Prose
Poetry
Drama
Literary Criticism - I & II
Fiction
Indian Literature in Translation
Indian Literature in English
East and South Asian Literatures
British Literature
American Literature
West Asian Literatures
African and Caribbean Literatures

Allied Core Courses

Introduction to Linguistics
Subaltern Writing
Literature and Ideas
Literature and Gender

Major Elective Courses

English Language Teaching
Introduction to Children's Literature
Literatures of Australia, Canada and New Zealand

Allied Elective Course

Social Entrepreneurship
Indian Heritage and Tourism
Appreciation of Indian Art
Consumer Psychology

Independent Elective Courses

The Novel of Courtship and Marriage
Poetry of the Romantic Age

BACHELOR OF VISUAL ARTS- B.V.A.**(4 YEAR COURSE)****Major Core Courses**

Buddhist Art
Drawing – Practical
Hindu and Jaina Art
Art from Prehistory to Medieval Europe
Indo-Islamic Art and Rajput Miniatures
Basic Painting – Practical
Art in Europe (1280-1790)
Art in Europe (1790 - 1910)
Indian Craft and Folk Art Traditions
Digital Photography – Practical
Modernism and Postmodernism in the West
Paper Art – Practical
Modern Art in India
Modern Architecture
Art of Indigenous Cultures

Allied Core Courses

Fundamentals of Art History
Drawing and Rendering - Practical
Design Fundamentals - Practical
Figure Drawing - Practical

Major Elective Courses

Colour – Practical
Still Life Painting- Practical
Illustration- Practical
Figure Painting – Practical
Textile Surface Patterning – Practical
Landscape Painting – Practical
Typography and Design - Practical
Figure Illustration - Practical
Visual Merchandising – Practical
Creative Expressions - Practical
Project Process and Development – Design
Project Process and Development – Art
Project - Design
Project - Art

Allied Elective Courses

Social Entrepreneurship
Indian Heritage and Tourism
Journalistic Writing
Consumer Psychology

Independent Elective Courses

Fashion Concepts, Manufacture and Retail
History of Graphic Design

BACHELOR OF SCIENCE - B.Sc.**BRANCH I - MATHEMATICS****Major Core Courses**

Differential Calculus
Algebra and Trigonometry
Multiple Integral and Laplace Transforms
Analytical Geometry
Vector Analysis and applications
Introduction to Graph Theory
Sequences, Series and Fourier Series
Algebraic Structures
Principles of Real Analysis
Elements of Differential Equations
Vector Spaces and Linear Transformations
Principles of Complex Analysis
Principles of Mechanics

Allied Core Courses

Physics- I & II
Physics Practical- I & II
Mathematical Statistics – I & II

Major Elective Courses

Optimization Techniques
Project
Elements of Space Science
Numerical Analysis
Numerical Methods with Program in C

Allied Elective Course

The Economic Budget
Accounting Practices

Independent Elective Course

Formal Languages and Automata Theory

☆ **BRANCH III - PHYSICS****(THEORY AND PRACTICALS)****Major Core Courses**

Electronics – I & II
Properties of Matter and Atomic Physics
Experimental Physics - I, II, III, IV, V & VI
Thermal Physics and Statistical Mechanics
Mechanics
Optics and Spectroscopy
Mathematical Physics
Electromagnetism
Microprocessors and Microcontrollers
Solid State Physics
Quantum Mechanics and Relativity
Nuclear and Particle Physics

Allied Core Courses

Mathematics for Physics – I & II
Fundamentals of Chemistry – I & II
Organic Analysis – Practical
General Chemistry - Practical

Major Elective Courses

Communication Systems
Essentials of Nano Science
Laser Physics
Project

Allied Elective Course

Applied Chemistry
 Bioinstrumentation
 Introduction to Human Physiology and Immunology

Independent Elective Courses

Astrophysics
 Geophysics

☆ **BRANCH IV - CHEMISTRY**
(THEORY AND PRACTICALS)

Major Core Courses

General Chemistry
 Analytical Chemistry
 Volumetric Analysis- Practical
 Organic Chemistry – I, II & III
 Semi Micro Qualitative Analysis - I & II Practical
 Inorganic Chemistry I & II
 Physical Chemistry - I, II & III
 Organic Chemistry –I & II Practical
 Biochemistry
 Physical Chemistry - I & II Practical
 Spectroscopy

Allied Core Courses

Physics - I & II
 Physics - I & II Practical
 Mathematics for Chemistry – I & II

Major Elective Courses

Computers in Chemistry
 Project
 Pharmaceutical Chemistry
 Polymer Chemistry

Allied Elective Course

Bioinstrumentation
 Fundamentals of Nanoscience
 Introduction to Human Physiology and Immunology

Independent Elective Courses

Industrial Chemistry
 Drugs and Diseases

☆ **Branch V (A) - Plant Biology and**
Plant Biotechnology
(Theory and Practicals)

Major Core Courses

Algae, Fungi and Lichens
 Principles of Applied Biotechnology
 Algae, Fungi and Lichens - Practical
 Bryophytes, Pteridophytes and Gymnosperms
 Bryophytes, Pteridophytes and Gymnosperms - Practical
 Taxonomy of Angiosperms and Economic Botany
 Phytotherapy and Ethnobotany
 Taxonomy of Angiosperms and Economic Botany –Practical
 Anatomy and Embryology of Angiosperms
 Anatomy and Embryology of Angiosperms – Practical
 Cell and Molecular Biology
 Microbiology
 Ecology and Environmental Biotechnology
 Cell and Molecular Biology, Microbiology, Ecology and
 Environmental Biotechnology – Practical
 Plant Physiology
 Plant Biotechnology & Genetic Engineering

Genetics, Plant Breeding & Evolution
 Plant Physiology, Plant Biotechnology & Genetic
 Engineering, Genetics, Plant Breeding &
 Evolution -Practical

Allied Core Courses

Fundamentals of Biochemistry – I & II
 Biochemistry- I & II Practical
 General Zoology – I & II
 General Zoology - I & II Practical

Major Elective Courses

Fruit Preservation and Nutrition (Skill Development Course)
 Project
 Horticulture (Skill Development Course)
 Analytical Techniques in Plant Sciences

Allied Elective Course

Applied Chemistry
 Fundamentals of Nanoscience
 Introduction to Human Physiology and Immunology

Independent Elective Courses

Agriculture
 Forestry

☆ **BRANCH VI (A) – ADVANCED ZOOLOGY AND**
BIOTECHNOLOGY
(THEORY AND PRACTICALS)

Major Core Courses

Invertebrata
 Economic Zoology
 Invertebrata and Economic Zoology - Practical
 Chordata
 Chordata – Practical
 Vertebrate Physiology
 Developmental Biology
 Physiology, Developmental Biology - Practical
 Microbiology
 Microbiology – Practical
 Cell and Molecular Biology
 Genetics
 Fundamentals of Biotechnology
 Genetics, Cell and Molecular Biology and Biotechnology
 - Practical
 Animal Behaviour
 Ecology and Evolution
 Immunology
 Animal Behaviour, Ecology and Immunology-Practical

Allied Core Courses

General Botany - I & II
 General Botany - I & II Practical
 Fundamentals of Biochemistry - I & II
 Biochemistry - I & II Practical

Major Elective Courses

Conservation Biology
 Medical Laboratory Technology
 Environmental Biotechnology
 Project

Allied Elective Courses

Applied Chemistry
 Fundamentals of Nanoscience
 Bioinstrumentation

Independent Elective Courses

Fundamentals of Food Science
Introduction to Wildlife Biology

Stella Maris College is under the Star College Scheme of the Department of Biotechnology, Ministry of Science & Technology, Government of India, for strengthening Basic Science programmes since 2009. DBT has accorded Star Department Status to the departments of Physics, Chemistry, Botany and Zoology.

BACHELOR OF COMMERCE - B.Com. - Shift I**Major Core Courses**

Financial Accounting
Marketing
Cost Accounting
Business Management
Business Law
Banking and Financial Services
Management Accounting
Business Ethics & Corporate Social Responsibility
Financial Management
Company Law
Financial Markets
Corporate Accounting
Human Resource Management
Income Tax Law and Practice
Entrepreneurship
E-Commerce

Allied Core Courses

Indian Economy
Economics for Business
Mathematics for Commerce
Statistical Techniques for Business

Major Elective Courses

Project
Consumer Behaviour
Retail Marketing
Organisational Behaviour
Auditing
Advanced Corporate Accounting
Portfolio Management
Office Organisation and Management
Automated Accounting Practices
Office Procedures and Practices

Allied Elective Courses

Social Entrepreneurship
The Economic Budget
Operations Research
Consumer Psychology

Independent Elective Courses

Consumer Rights
International Marketing

BACHELOR OF SCIENCE - B.Sc.**BRANCH I – MATHEMATICS SHIFT II****Major Core Courses**

Differential Calculus
Algebra and Trigonometry
Multiple Integral and Laplace Transforms

Analytical Geometry
Vector Analysis and applications
Introduction to Graph Theory
Sequences, Series and Fourier Series
Algebraic Structures
Principles of Real Analysis
Elements of Differential Equations
Vector Spaces and Linear Transformations
Principles of Complex Analysis
Principles of Mechanics

Allied Core Courses

Physics – I & II
Physics – I & II Practical
Mathematical Statistics – I & II

Major Elective Courses

Optimization Techniques
Project
Elements of Space Science
Numerical Analysis
Numerical Methods with Program in C

Allied Elective Course

Industrial Relations
Cyber Security and Forensics
Data Analysis

Independent Elective Course

Formal Languages and Automata Theory

BACHELOR OF COMMERCE - B.Com.- Shift II**Major Core Courses**

Financial Accounting
Marketing
Cost Accounting
Business Management
Business Law
Banking and Financial Services
Management Accounting
Business Ethics & Corporate Social Responsibility
Financial Management
Company Law
Financial Markets
Corporate Accounting
Human Resource Management
Income Tax Law and Practice
Entrepreneurship
E-Commerce

Allied Core Courses

Indian Economy
Economics for Business
Mathematics for Commerce
Statistical Techniques for Business

Major Elective Courses

Project
Consumer Behaviour
Retail Marketing
Organisational Behaviour
Auditing
Advanced Corporate Accounting
Portfolio Management
Office Organisation and Management
Automated Accounting Practices
Office Procedures and Practices

Allied Elective Courses

Industrial Relations
Operations Research
Cyber Security and Forensics
Data Analysis
Social Enterprise Management
Food and Nutrition

Independent Elective Courses

Consumer Rights
International Marketing

BACHELOR OF COMMERCE - B.Com. (CS)**CORPORATE SECRETARYSHIP- Shift II****Major Core Courses**

Financial Accounting
Marketing
Cost Accounting
Business Management
Legal Aspects of Business
Banking and Financial Services
Management Accounting
Ethics in Business & Corporate Social Responsibility
Financial Management
Company Law & Secretarial Practice
Statistical Techniques for Business
Corporate Accounting
Human Resources Management
Financial Markets
Labour and Social Security Laws
E-Commerce
Internship

Allied Core Courses

Statistical Techniques for Business
Indian Economy
Economics for Business
Business Statistics
Business Mathematics

Major Elective Courses

Business Environment
Business Taxation
Project
Auditing
Advertising

Allied Elective Courses

Operations Research
Cyber Security and Forensics
Data Analysis
Social Entrepreneur Management
Food and Nutrition

Independent Elective Courses

International Marketing
Consumer Rights

ACCA**An option to acquire a professional qualification.**

The MoU that Stella Maris College has signed with the Association of Chartered Certified Accountants (ACCA) will enable undergraduate students of the Department of

Commerce to acquire the ACCA qualification in addition to their B.Com degree.

The course will be delivered through industry professionals on campus. The students, on completion of their B.Com degree, will also receive a professional diploma from ACCA and a B.Sc. in Accounting from Oxford Brookes University, UK.

**Bachelor of Computer Applications - B.C.A.
(Theory & Practical)****Major Core Courses**

Procedure Oriented Programming with C
Procedure Oriented
Programming with C - Practical
Multimedia – Practical
Data Structures and Algorithms
Computer Concepts
Data Structures and Algorithms- Practical
Database Management Systems
Object Oriented Programming with Java
Software Engineering
Relational Database Management Systems - Practical
Object Oriented Programming with Java - Practical
Operating Systems
Web Programming
Web Programming - Practical
Software Testing
Advanced Java Programming
Visual Programming
Advanced Java Programming -Practical
Visual Programming with C # - Practical
Network Concepts
Emerging Trends in Information Technology
Project

Allied Core Courses

Mathematics for Computer Science - I & II
Principles of Financial Management

Major Elective Courses

Linux Programming
Software and Information Security
HTML 5 and Game Programming
Mobile App Development for Android

Allied Elective Courses

Industrial Relations
Operations Research
Social Entrepreneur Management
Nutrition

Independent Elective Courses

Cloud Computing
Big Data Analytics
Wireless Sensor Networks

BACHELOR OF SOCIAL WORK - B.S.W.**Major Core Courses**

Social Work Profession - History and Philosophy
Field Work - I, II, III, IV, V & VI
Social Work Methods - I (Case Work and Group Work)
Social Work Methods - II (Community Organisation and Social Action)

Generalist Practice in Social Work
Fields of Social Work
Basic Research and Statistics for Social Work
Social Work Administration
Health Care Services
Gender and Development - Issues and Concerns
Project
Block Placement

Allied Core Courses

Fundamentals of Sociology
Introduction to Psychology
Indian Economy and Development
Human Rights, Social Justice and Advocacy

Major Elective Courses

International Co-operation and Humanitarian Assistance
Ecology Development and Social Work Intervention
Disaster Preparedness and Risk Reduction
Disability Rehabilitation and Social Work Practice

Allied Elective Courses

Operations Research
Social Enterprise Management
Food and Nutrition
Industrial Relations

Independent Elective Course

Leadership, Training and Development

DIPLOMA IN MEDICAL LABORATORY

TECHNOLOGY - DMLT

Theory

Hematology, Immunohematology and Coagulation
Studies, Cytology, Histopathology and Body Fluid
Analysis
Clinical Biochemistry and Quality Control
Clinical Enzymology, Endocrinology, Electrolytes
Clinical Bacteriology and Clinical Parasitology
Clinical Immunology, Virology and Mycology
Automation in Clinical Laboratory and
Advanced Technology

Practical

Practical - I - Clinical Pathology
Practical - II - Clinical Biochemistry
Practical - III - Clinical Microbiology

General Elective Courses for the Undergraduate

Programme

Heritage Awareness
History of Chennai City
Introduction Indian Performing Arts and
Painting
Film Appreciation
Fundamentals of Indian Constitution
International Affairs since 1945
Sociology of Sports
Organisational Development and Change
Sociology of Popular Culture
Gender Studies
Society and Media
Society and Law
Fundamentals of Human Behaviour
Basics Skills in Counselling
Personality Development

Psychology of Adolescence
Eco Feminism
Economic Issues
Money Matters
Public Policy
Economics for Competitive Examinations
Women and Work
Basic English-I&II
Fiction and Film
English for the Work Place
Basic Theatre Skills
Writing for the Media
Recycled Art- Practical
Fabric Art- Practical
Creative Printing - Practical
Embroidery- Practical
Collage - Practical
Jewellery from Alternate Material- Practical
Fascinating World of Mathematics
Basic Mathematics
Essentials of Logic and its Applications
Resource Management Techniques
Celestial Wonders
Applied Statistics
Basics Principles of Physics
Physics of Music
Basics of Communication Systems
Digital Photography
Home Electrical Installations
Energyphysics
Chemistry in Everyday Life
Cosmetics and Personal Care
Food Quality and Detection of Food Adulteration
Nutraceuticals and Health Care
Basic Nutritional Chemistry
Forensic Chemistry
Herbal Therapy
Fruit Preservation
Fundamentals of Horticulture
Waste Management
Food Science
Floriculture
Disease and Management
Concepts in Animal Welfare
Genes - Diseases - Society
Nutrition and Diet Therapy
Applied Zoology
Biology of Human Reproduction
Banking Practices
Financial Services
Business Leadership
Fundamentals of Marketing
Contemporary Advertising
Personnel Management
Basic Accounting
Electronic Documentation and Presentation
Digital World –Tools and Techniques
Image Editing and Animation
System Assembling, Installation and
Trouble-Shooting
Programming in C
E-Commerce with Content Management
Security Issue in Information Technology
Migration Issues and Human Security
Marriage and Family Life Education
UN Systems for Development and Social Change
Human Rights and Justice Issues
Corporate Social Responsibility
Conflict and Peace Building

Basic Tamil - I & II
Medai Pechchu
Pataipu Illakiyam
Nattuppuraiyal
Suttrula
Hindi for Beginners
Public Speaking in Hindi
Spoken Hindi
Creative Writing in Hindi
French for Beginners
French for Business
Spoken French
Spoken Sanskrit
Stress Management in Sanskrit Literature

Social Awareness Programme / Service Learning

Heritage Awareness
Rural Realities – Village Visits
Urban Realities- Under-developed Areas
Welfare of the Aged
Socio Economic Issues
Child Welfare
Care of the Differently abled
Civic Awareness
Art for Children

Pollutants and Adulterants
Health and Hygiene
Computer Basics
Plants and People

VALUE EDUCATION

Christian Perspectives

Values in Personal Life
Values in Family and Social Life
Building a Humane and Just Society

Ethics

Values in Personal Life
Values in Family and Social Life
Building a Humane and Just Society

POSTGRADUATE PROGRAMMES

Shift - I (7.50 am - 12.50 pm)

A) OFFERED UNDER THE AIDED SECTION

DEGREE	DISCIPLINE	YEARS	ELIGIBILITY/ REQUIREMENTS	PRESCRIBED FEES
M.A.	ECONOMICS	2	B.A. Economics (or) equivalent as directed by the University of Madras	
M.A.	ENGLISH	2	B.A. English (or) B.A. / B.Sc. with Part II English	
M.A.	HISTORY OF FINE ARTS (Specialisation in Textile Design or Graphic Design)	2	B.Sc. Interior Design and Decoration (or) B.A. History of Fine Arts & Drawing & Painting (or) Any Undergraduate Degree accepted by the University	
M.S.W.	MASTER OF SOCIAL WORK Areas of Concentration • Child Rights and Practice with Families • Social Work Practice in Health Settings • Development Issues and Social Work Practice	2	Any Bachelor's Degree Ability to read and speak Tamil	
M.Sc.	MATHEMATICS	2	B.Sc. Mathematics / Applied Science or equivalent accepted by the University	

B) OFFERED UNDER THE SELF - FINANCING SECTION

Shift - II (12.00 noon - 5.30 pm)

DEGREE	DISCIPLINE	YEARS	ELIGIBILITY/ REQUIREMENTS	PRESCRIBED FEES
M.A.	PUBLIC RELATIONS	2	Any Bachelor's Degree	
M.A.	INTERNATIONAL STUDIES	2		
M.Com.	COMMERCE	2	B.Com. Degree	
M.Sc.	CHEMISTRY	2	B.Sc. Chemistry (or) any Degree accepted by the University of Madras	
M.Sc.	BIOTECHNOLOGY	2	Bachelor's Degree in any one of the following disciplines : Biotechnology, Microbiology, Botany, Plant Biology and Plant Biotechnology, Zoology, Advanced Zoology and Biotechnology, Chemistry, Physics, Biochemistry, Agriculture, Biology and B.Sc.	
M.Sc.	BIOINFORMATICS	2	Bachelor's Degree in any one of the following disciplines: Mathematics, Physics, Chemistry, Botany, Zoology, Biochemistry, Biotechnology, Computer Science, Microbiology, Agriculture, Nutrition and Dietetics, B.V.A., B. Sc., M.B.B.S., B.D.S. and B.E.	
M.Sc.	INFORMATION TECHNOLOGY	2	B.Sc. Information Technology/ Mathematics/ Statistics Business Mathematics/ Business Statistics/ Applied Science / B.C.A.	
PGDCS	POSTGRADUATE DIPLOMA IN COMPUTER SCIENCE	1	Any Bachelor's Degree with Mathematics in the Higher Secondary or an equivalent exam	

MASTER OF ARTS - M.A.

BRANCH III – ECONOMICS

Core Courses

Micro Economic Analysis - I & II
 Monetary Economics
 Growth and Development Economics
 Research Methods and Analysis I & II
 International Trade
 Gender Economics
 Macro Economics - I & II
 Public Economics I & II
 Human Resource Development
 Environmental Economics
 Dissertation

Elective Courses offered to Parent Department

Mathematics for Economics
 Industrial Economics
 Advanced Managerial Economics
 Econometric Methods
 Economics for Business and Marketing
 Advanced Econometrics

Elective Courses offered to Other Departments

Contemporary Economic Issues
 Economics for Managers

Summer Internship

Independent Study Course

Economic Thought
 Financial Institutions & Markets in India

BRANCH VII – ENGLISH

Core Courses

British Literature – I & II
 American Literature: Modernism and After
 Literature and Subalternity
 Women's Writing
 Linguistics
 Contemporary Critical Theory I & II
 Postcolonial Studies
 Indian Literature in Translation
 Literature and Ecology
 Modern Indian Literature in English
 Literature and Mysticism
 Shakespeare
 Dissertation

Elective Courses offered to Parent Department

Detective Fiction
 Technical Writing
 English Language Teaching - I
 Children's Literature
 English Language Teaching - II
 New Fiction and the Contemporary World

Elective Courses offered to Other Departments

English for Communication
Introduction to Technical Writing
Business English Certificate

Summer Internship**Independent Study Course**

Literature and Science
Popular Fiction

BRANCH X - HISTORY OF FINE ARTS**Core Courses**

Arts and Ideas
Design History
Drawing and Painting - Practical
Design Dynamics - Practical
Weaving - Practical
Publishing Design - Practical
Illustration – Practical
Textile Printing - Practical
Communication Design I - Practical
Mobile Application & Web Page Design- Practical
Fashion, Accessories & Embellishment -Practical
Textile Product Development - Practical
Communication Design II - Practical
Dissertation

Elective Courses offered to Parent Department

Digital Photography - Practical
Creative Photography - Practical
Research Methodology
Critical Writing
Visual Culture
Crafts in India

Elective Courses offered to Other Departments

Textile Dyeing & Printing - Practical
Creative Design - Practical

Summer Internship**Independent Study Courses**

Indian Aesthetics and Philosophy
Indian Iconography

Master of Social Work - M.S.W.**Core Courses**

Social Work Profession - History, Philosophy and Ideologies
Social Work with Individuals
Social Work with Groups
Field Work - I
Community Organisation and Social Action
Social Work Research and Statistics
Integrated Practice in Social Work
Human Rights and Social Work
Field Work - II
Management for Non Profit Organisations
Dissertation
Field Work - III

Counselling - Theory and Practice
Gender and Social Work Practice
Field Work – IV

Elective Courses offered to Parent Department

Fundamentals of Sociology
Fundamentals of Psychology
Child Rights and Social Work
Medical Social Work
Development Planning and Administration
Family Social Work
Mental Health and Social Work
Social Entrepreneurship
Youth Development
Community Health
Development Practice - Urban and Rural

Internship

Block Placement

Independent Study Course

Disaster Management

MASTER OF SCIENCE - M.Sc.**BRANCH I - MATHEMATICS****Core Courses**

Modern Algebra
Real Analysis
Continuum Mechanics
Differential Equations
Linear Algebra
Measure Theory and Integration
Research Methods and Tools
Complex Analysis
Fluid Dynamics
Graph Theory
Topology
Functional Analysis
Calculus of Variation and Integral Equations
Differential Geometry
Dissertation

Elective Courses offered to Parent Department

Number Theory and Cryptography
Analysis of Algorithms
Fuzzy Set Theory and Applications
Mechanics
Mathematical Modeling
Probability and Random Processes

Elective Courses offered to Other Departments

Formal Languages and Automata Theory
Statistics for Research

Summer Internship**Independent Study Course**

Financial Mathematics

PUBLIC RELATIONS

Core Courses

Basics of Public Relations
Community Relations
Interpersonal and Group Communication
Marketing and Advertising Management in Public Relations
Public Relations in the Corporate Sector
Customer Relations
Mass Communication
Public Relations in the Service Sector
Employee Relations
Writing for Media – Practical
Public Relations in the Government Sector
Dissertation
Public Relations Campaign Management
Government Relations

Elective Courses offered to Parent Department

Event Management
Media Management
Communication Tools for Public Relations
Creative Public Relations
Perspectives of Human Resource Management in Public Relations
Digital Public Relations

Elective Courses offered to Other Departments

Introduction to Public Relations
Public Relation Skills

Independent Study Course

Global Public Relations

Summer Internship

Summer Internship: (Corporate Sector/ Non Government Organisation)
Internship: (Service Sector/Government Organisation)

INTERNATIONAL STUDIES

Core Courses

International History (1648 - 1945)
International Relations Since 1945
International Security
International Political Economy
Theories and Issues of International Relations
International Law - I
India's Foreign Policy
Research Methodology
Conflict and Cooperation in South Asia
International Organisations
International Law – II
Human Rights
American Foreign Policy
The International Order in the Asia Pacific
Dissertation

Elective Courses offered to Parent Department

International Terrorism
Introduction to Peace and Conflict Studies
Ethnicity, Culture and International Relations
Latin America's Polity, Society and Economy
Government and Politics of the Middle East

Elective Courses offered to Other Departments

Globalisation
World Affairs

Summer Internship

Independent Study Courses

Third World Development and Challenges
Introduction to Political Thought

MASTER OF COMMERCE- M.Com.

Core Courses

Marketing Management
Strategic Human Resource Management
Regulatory Aspects of Business
Accounting for Managerial Decisions
Service Marketing
Corporate Governance and Social Responsibility
Financial Management and Policy
Indian Financial System
Business Research
Corporate Accounting
Global Strategic Management
Individual and Corporate Tax Planning
Investment Planning
Principles of E- Commerce
Dissertation

Elective Courses offered to Parent Department

Organisational Theory and Behaviour
Advertising
Insurance and Risk Management
Business Venture Management
Business Applications in Computers
International Business

Elective Courses offered to Other Departments

Essentials of Marketing
Human Resource Management

Summer Internship

Independent Study Courses

Training and Development
Advertising and Salesmanship

BRANCH IV – CHEMISTRY

Core Courses

Organic Chemistry-I
Advanced Physical Chemistry
Structural Inorganic Chemistry
Physical Chemistry - Practical
Inorganic Qualitative and Quantitative Analysis – Practical
Organic Chemistry-II
Quantum Chemistry and Group Theory
Coordination Chemistry
Organic Separation and Analysis – Practical
Synthetic Organic Chemistry and Natural Products
Molecular Spectroscopy
Organic Synthesis and Purification – Practical
Analytical Instrumentation
Analytical Instrumentation Practical
Dissertation

Elective Courses offered to Parent Department

Research Methodology
Industrial Waste Management
Polymer Materials and Applications
Biochemistry
Phytochemistry
Nanochemistry

Elective Courses offered to Other Departments

Medicines and Health Care
Food Chemistry and Nutrition

Summer Internship**Independent Study Courses**

Introduction to Forensic Chemistry
Chemistry of Natural Products

BIOTECHNOLOGY**Core Courses**

Microbiology
Biochemistry
Molecular Biology
Microbiology -Practical
Biochemistry and Molecular Biology -Practical
Recombinant DNA Technology
Animal and Plant Biotechnology
Recombinant DNA Technology – Practical
Animal and Plant Biotechnology – Practical
Enzyme and Bioprocess Technology
Immunology
Enzyme and Bioprocess Technology – Practical
Immunology –Practical
Stem Cell and Tissue Engineering
Food and Pharmaceutical Biotechnology
Dissertation

Elective Courses offered to Parent Department

Biophysics and Bioinstrumentation
Bio-nanotechnology
Research Methodology and Biostatistics
Patenting and Entrepreneurship
Environmental Biotechnology
Marine Biotechnology

Elective Courses offered to Other Departments

Applications of Biotechnology
Human Genetics

Summer Internship**Independent Study Courses**

Molecular Oncology
Virology

BIOINFORMATICS**Core Courses**

Biochemistry
Database Management Systems
Programming in C++
Biophysics
Molecular Biology
Molecular Biology Practical
Bioinformatics

Bioinformatics Practical
Genomics and Proteomics
Perl
Algorithms for Bioinformatics
Molecular Modeling and Computer Aided Drug Design
Basics of Clinical Research Management
Advances in Bioinformatics
Dissertation

Elective Courses offered to Parent Department

Basic Mathematics
Cell Biology and Genetics
Research Methodology and Scientific Communication
Cheminformatics
Data Mining
Immunoinformatics

Elective Courses offered to Other Departments

Pharmacogenomics
Fundamentals of Bioinformatics

Summer Internship**Independent Study Courses**

Python
Systems Biology

INFORMATION TECHNOLOGY**Core Courses**

Algorithms and Data Structures
Database Management Systems
Advanced Programming with C
Formal Languages and Finite Automata
Object Oriented Programming with Java
Operating Systems
Object Oriented System Development
Network Management and Administration
Visual Programming
Advanced Java Programming
Research Methodology
PHP with Linux
Software Quality Assurance and Testing
Project

Elective Courses offered to Parent Department

Web Designing
Game Programming
Security Issues in Information Technology
Computer Architecture
Mobile Computing and App Development
Big Data Analytics using R

Elective Courses offered to Other Departments

Advanced Office Tools
Multimedia
E-Commerce

Summer Internship**Independent Study Courses**

Emerging Trends in Information Technology
Green Computing
Pervasive Computing

Social Awareness Programme / Service Learning

Socio Economic Issues
Health and Hygiene
Rural Realities- Village Visit
Urban Realities- Underdeveloped Areas (Slums)
Child Welfare
Care for the Differently Abled
Welfare of the Aged
Art for Children
Civic Awareness
Learning from the Community
Food Adulteration and Water Pollution
Computer Basics

Value Education

Christian Perspectives

Values and Competencies
Women in Family and Society
Values for Harmonious Living

Ethics

Values and Competencies
Women in Family and Society
Values for Harmonious Living

M.Phil. PROGRAMMES

ECONOMICS

Core Courses

Research Methodology
Advanced Economic Theory
Human Resource Development
Dissertation

HISTORY OF FINE ARTS

Core Courses

Art History and its Methods
Theories in Art
Methodology of Art Research
Dissertation

ENGLISH

Core Courses

Indian Literature: Texts and Contexts
Contemporary World Literature: Texts and Contexts
Area of Research
Dissertation

MATHEMATICS

Core Courses

Advanced Algebra and Analysis
Advanced Topology and Geometry
Dissertation

Optional Courses

Advanced Algebra
Fuzzy Set Theory, Fuzzy Logic and Applications
Graph Theory
Functional Analysis
Fluid Dynamics

SOCIAL WORK

Core Courses

Research Methodology for Social Work
Advanced Social Work Theory, Training and Practice
Social Work Practicum
Dissertation

POSTGRADUATE DIPLOMA IN COMPUTER SCIENCE - PGDCS

Programming with C
Programming with C - Practical
Visual Programming
Visual Programming - Practical
Computer Organisation and Network Fundamentals
Computer Concepts & Office Tools - Practical
Algorithm and Data Structures
Network Concepts
Programming with Java
Programming with Java - Practical
Multimedia Systems
Project

ENGLISH LANGUAGE & LIFE SKILLS PROGRAMME

This is a self-financing Certificate Course for Higher Secondary and Graduate students who have studied in regional language medium schools, in order to improve their English language skills and life skills, to face the challenges of a competitive world.

Part I - English language Skills

Part II - Life Skills

Part III - Interpersonal Relationships and Communication Skills

ADMISSION PROCEDURE

1. Application forms for admission to the B.A. / B.Sc. / B.Com./ B.Com.(CS) / B.C.A. / B.V.A. / B.S.W. and M.A. /M.Sc. / M.Com. / M.S.W./ PGDCS / DMLT programmes can be accessed online at www.stellamariscollege.edu.in
2. The admission procedure for the undergraduate programmes will begin 10 days after the publication of the Higher Secondary results.
3. Information regarding interviews for provisionally selected candidates for all programmes will be sent by E-mail and SMS.
4. Admission status will be posted on the College website.
5. Selected candidates must pay the prescribed fees and submit the following certificates, in ORIGINAL on or before the date indicated on the website.
6. Requests for deferring the date of interview will not be considered.
7. No information will be sent to the candidates who have not been selected for the interview.

DOCUMENTS TO BE SUBMITTED:

For students of the Tamil Nadu Higher Secondary Board / CBSE / ISC / Other Boards

- a. STD X - Statement of Marks or Equivalent Certificate
- b. STD XII or Equivalent Certificate
- c. Pass Certificate (CBSE/ ISC/ others)
- d. Diploma Certificate (if available) – for International students
- e. Transfer Certificate and Conduct Certificate
- f. Community Certificate in the case of MBC / OBC / DNC / BC / SC / ST
- g. Certificate of proof for the differently abled / Sports /NCC / Ex-servicemen etc.

Note: At the time of admission students of other Boards (within / outside India) should also furnish the following: Provisional Eligibility Certificate from the University of Madras

The name of the candidate and date of birth should be identical in all the original certificates. No correction or overwriting is permitted without attestation / signature of the proper authority.

Students applying for postgraduate programmes will also be required to submit the following:

- a. STD X - Statement of Marks or Equivalent Certificate
- b. STD XII or Equivalent Certificate
- c. Pass Certificate (CBSE/ ISC/ others)
- d. Diploma Certificate (if available) – for International students
- e. Statement of Marks (semester / year) of their undergraduate programme of study
- f. Consolidated Statement of Marks or Cumulative Marks Statement of the undergraduate programme of study (in the case of candidates from Autonomous Colleges)
- g. Undergraduate Degree Provisional Certificate issued by the University
- h. Eligibility Certificate from the University of Madras (for students who have passed their qualifying examinations from other Universities)

For students applying to the M.A. Public Relations programme

Applicants should submit photocopies of the following:

1. Additional certificates or diplomas obtained
2. Prizes / Participation certificates in seminars, workshops and competitions
3. Co-curricular or extracurricular activities like NSS, NCC, Games and others
4. Volunteer Activities, Social Services, Field Work or any other
5. Project Reports, Research Reports, and Paper presentations

All the above achievements will be considered and given weightage during the selection process.

Note:

All candidates are informed that the original Transfer and Conduct Certificates produced at the time of admission will not be returned under any circumstances.

For the attention of International students:

International students should produce a valid Passport and VISA / Refugee Certificate / OCI with two sets of attested copies of the same, at the time of admission.

HOSTEL

A limited number of seats are available in the hostels. Applicants are informed that hostel applications should be submitted along with the College application form. **Admission to the College does not necessarily guarantee admission to the College hostel.**

Note to Parents

- ☐ **Parents and guardians are informed that the College does not accept donations for admission directly or indirectly. Any malpractice in this regard may be brought to the notice of the Principal immediately.**
- ☐ **Dress Code:** Students are expected to wear simple and modest clothes. Students are permitted to wear a saree, salwar kameez, or full length jeans with kurtas. Sleeveless attire and T-shirts are not permitted.
- ☐ Students are not permitted to participate in fashion shows, stage shows, modelling or talk shows and any other public performance without prior permission of the Principal.
- ☐ **Cell Phones:** Use of cell phones is banned on campus. Violation of this rule will result in confiscation of the phone and a fine being levied.

Anti-Ragging: UGC REGULATIONS

In accordance with UGC norms, ragging in any form is strictly forbidden. A student found guilty of ragging will face cancellation of admission / suspension from the College / hostel and a fine of Rs. 25,000/- to 1 Lakh will be levied.

CHECKLIST FOR SUBMISSION

1. Printed application form with photograph, duly signed by the candidate and the parent
2. Copy of the original Higher Secondary / equivalent mark sheet **or a copy of the mark sheet downloaded from the internet** duly attested by the head of the institution last attended
3. Copy of blood group report
4. If Catholic, copy of the Baptism Certificate
5. Copy of Birth Certificate (for candidates from other religions)
6. If differently abled, copy of Identity Card
7. If a parent is ex-service personnel, Identity Card of the parent
8. One copy of all certificates required for the specific programme chosen by the candidate. (Refer Page No.18)
9. In case of those applying for hostel accommodation, the original hostel application should be submitted along with the College application.

All communication should be addressed to The Principal, Stella Maris College, 17 Cathedral Road, Chennai - 600086. Please quote the application number for any further reference.

**WALK IN TRUTH AND CHARITY AND
YOU WILL ACCOMPLISH MARVELS**

**BLESSED MARY OF THE PASSION
FOUNDER, FRANCISCAN MISSIONARIES OF MARY**



17, Cathedral Road, Chennai 600086, India
Ph: + 91 44 28111987/28111951 | www.stellamariscollege.edu.in