

SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES

**A Constituent Unit of Centre for Professional and Advanced Studies,
Kottayam
(Established by Govt. of Kerala)**

(Affiliated to Mahatma Gandhi University, Kottayam)

MCA

Masters in Computer Applications is a three year (six semesters) P.G degree program in computer applications affiliated to Mahatma Gandhi University. This professional course is designed to meet the growing demand for qualified professionals in IT and other industries. This program covers various aspects of Computational Theory, Programming Languages like C++, Python, Advanced Java, PHP, etc. Operating systems like Linux, Windows and Android, TCP/IP Protocols, Design and Optimization of Algorithms, Network and Database Management, Mobile Technologies, Data Mining, Cloud Computing and many more. Programmer/developer, Software Tester, Systems Analyst, Software Engineer, Software Administrator are some of the posts where MCA graduates are employed.

M.Sc. COMPUTER SCIENCE

This Master's degree program provides training for developing specialized skills in a number of areas such as Network Security, Software Development or Artificial Intelligence equipping the participants to grab opportunities for advanced positions and higher salaried positions in IT and related industries. This Master's degree holder can choose technical research/teaching jobs or various opportunities in the software field.

M.Sc. APPLIED ELECTRONICS

This is a full time two year P.G degree course that provides practical knowledge on how to control the electrons and other atomic particles in Electronic devices. The programme equip the students to handle both analog as well as digital circuits as a fundamental circuiting system in Electronic devices. The syllabus of the course is divided into four semesters, the completion of which will open up immense scope both in career and higher studies. M.Sc. course in Electronics is useful for higher study options like MBA or M.Tech in Electronics. The field of teaching is another attractive option. India Telecom Industries, Civil Aviation, Defence , AIR, India Posts, BEL, DRDO, IT and power sector are other sectors and organizations that employ Electronic degree holders

B.Sc. COMPUTER SCIENCE

A full time three year degree course affiliated to Mahatma Gandhi University. This is the best option for young aspirants seeking a career in Computer Science. The course covers all the aspects of computers right from the fundamentals to database systems and advanced courses like C++ , Java etc. The main focus of the course is on the theoretical as well as practical foundations of computing. Organizations that are the part of the fast growing IT

world of the nation are ever ready to hire young graduates as software testers and developers. Banks and Insurance companies are always eager to employ fresh graduates with computing skills. Opportunities to become teachers, scientific officers, scientific assistants and network operators with both public and private sector establishments can also be explored. Avenues for higher education are numerous.

B.Sc. ELECTRONICS

Bachelor of Science in Electronics is a three year under graduate programme designed to prepare the students to enter the field of Electronics and Communication, Software Planning, System Analysis and Design as Service Engineers, Software Analysts, Technical Directors, Field Test Engineers, Customer Support Engineers, Network Planning Engineers, Electronics and Communication Consultants. Students will come out of this programme with up-to-date knowledge and skills in the field of Electronics. They can either enter promising jobs or pursue higher studies to equip themselves for better jobs. M.Sc. Electronics, Post Graduate Diploma in Electronics are some of the higher studies options. This course is the right opening into the manufacturing service organizations, broadcasting, consulting, entertainment, Data Communication, System Support, Defence, Civil Aviation, Multimedia, DRDO, Telecommunication, IT Dept., Postal Dept. etc. Graduates in Electronics can find good jobs in organizations in government sector such as BSNL, BHEL, ISRO, NTPC and SAIL.

B.Sc. CYBER FORENSIC

This is a full time three year degree course affiliated to Mahatma Gandhi University, on the new area of technology- Cyber Forensic. In order to control the criminal activities in the money transactions, e-commerce, website management, social networking etc., every public/private sector organization require the service of a cyber security expert. Cyber/Computer Forensics or Digital Forensics is the process of extracting information and data from computers while investigating a cyber crime. Experts in Forensic analyze the digital media with the aim of identifying, preserving, recovering and presenting facts and findings. There is a high demand of forensic experts in the police and vigilance departments, investigating agencies, detective agencies. Opportunities as teachers where criminology is taught is another bright option. The curriculum of the course include, Programming practices in C++,Java, linux ,PHP, ASP.Net, Internet Technology & Cyber Laws, Hands on sessions in Internet Programming & Computer Security Lab Biometric security, Preserving and Recovering Digital Evidence,Ethical Hacking & Digital Forensic Mobile & Wireless Security, Security Threats and vulnerabilities etc.

STAS CENTRES WITH INTAKE

College	Program	Merit & All Reservation Seats admitted by CAP/State Entrance	Seats Admitted by College (Management Quota)	Total Seats
1.School of Technology & Applied Sciences, Pullarikkunnu, Malloosery P.O., Kottayam-686041 Phone: 0481-2392928 E-mail: stasmguktm@gmail.com	a. MCA	15	15	30
	b. B.Sc. Computer Science	25	25	50
	c. B.Sc. Cyber Forensics	15	15	30
2.School of Technology & Applied Sciences,Edappally, Cochin-682024 Phone: 0484-240402 E-mail: mgucasedappally@gmail.com	a. MCA	15	15	30
	b. M.Sc. Applied Electronics	10	10	20
	c. M.Sc. Computer Science	10	10	20
	d. B.Sc. Computer Science	25	25	50
	e. B.Sc. Cyber Forensics	19	19	38
d. B.Sc. Electronics	25	25	50	
3.School of Technology & Applied Sciences,Pathanamthitta-689654 Phone: 0468-2224785 E-mail: mgucaspta@gmail.com	a. MCA	15	15	30
	b. M.Sc. Computer Science	15	15	30
	c. B.Sc. Computer Science	25	25	50
	d. B.Sc. Cyber Forensics	15	15	30

ELIGIBILITY FOR ADMISSION

UG COURSES				
Programmes	Duration	Eligibility	Fees Per semester	Selection Process
B.Sc. Computer Science	6 Semesters	Pass in Plus Two or equivalent examinations in Science stream with Mathematics/Computer Science as a compulsory subject	Rs. 15,000/-	Allotment for 50% seats by Admission through the University Centralized Allotment Process Allotment for 50% seat will be from the rank list prepared by the CPAS
B.Sc. Cyber Forensics	6 Semesters	Plus two with an aggregate of 50% marks for any three of five subjects viz, physics, Chemistry, Mathematics, Biology or Computer science and Mathematics as compulsory subject with 50% of marks alone.	Rs. 17,500/-	Allotment for 50% seats by Admission through the University Centralized Allotment Process. 50% seat will be from the rank list prepared by the CPAS
B.Sc. Electronics	6 Semesters	Pass in Plus Two or equivalent examinations in Science stream with Mathematics, Physics and Chemistry	15,000/-	Allotment for 50% seats by Admission through the University Centralized Allotment Process. 50% seat will be from the rank list prepared by the CPAS

P.G COURSES

M.Sc. Computer Science	4 Semesters	B Sc Degree with Mathematics /Computer Science /Electronics as one of the subjects (Main or Subsidiary) or BCA/B.Tech degree with not less than 55% marks in optional subjects	17,500/-	Allotment for 50% seats by Admission through the University Centralized Allotment Process. 50% seat will be from the rank list prepared by the CPAS
M.Sc. Applied Electronics	4 Semesters	B.Sc. degree in Electronics/Computer science/Physics with not less than 50% marks /CGPA-2 excluding languages.	17,500/-	Allotment for 50% seats by Admission through the University Centralized Allotment Process. 50% seat will be from the rank list prepared by the CPAS
MCA	6 Semesters	As per the norms prescribed by the Controller of Entrance Examinations, Govt. of Kerala.	18,750/-	Allotment will be from the ranklist prepared by the CPAS based on the marks of entrance examination conducted by the Govt. of Kerala and the reservation rules are applicable.
MCA Lateral Entry	4 semesters	As per the norms prescribed by the Controller of Entrance Examinations, Govt. of Kerala.	18,750/-	Allotment will be from the ranklist prepared by the CPAS based on the marks of entrance examination conducted by the Govt. of Kerala and the reservation rules are applicable.

Fees structure 2018-19

(Shows the fees including total special fees for three years)

SINo.	Course	Tuition Fees	Library Fees	Lab Fees	Caution Deposit	Institution Development Fund	CUF	UUF	GAIP	IC	MIF	Student Welfare	Sports	AAF	SAF	Total
1	MCA	18750	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	1000x3=3000	400	29433
2	BCS	15000	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	600x3=1800	400	24483
3	BCF	17500	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	600x3=1800	400	26983
4	BES	15000	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	600x3=1800	400	24483
5	MSc CS	17500	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	1000x3=3000	400	28183
6	MSc Electronics	17500	1000	3000	1000	1000	400	80	23	50	100	30	200x3=600	1000x3=3000	400	28183

CUF – College Union Fund

UUF- University Union Fund

GAIP – General Accident and Insurance Policy

IC – Identity Card

MIF – Medical Inspection Fees

AAF – Annual Administration Fees

SAF – Student Affiliation Fees

GENERAL INSTRUCTIONS

1. Fee once remitted shall not be refunded at any circumstances. However those who discontinue after getting admission but before the commencement of classes shall be charged service charge of 10% of the tuitions fees and the rest of the amount shall be returned. Those who discontinue after commencement of classes shall have to pay tuition fees for one more semester as penalty. The Director, CPAS shall be the appellate authority for any matter related to penalty.
2. Caution deposit shall be returned on completion of the course (After adjusting liabilities if any).
3. Students admitted through CAP of the University and the 50% seats filled by the College have to pay the same fees.
4. **Candidates should submit separate application for each centre of STAS.**