

Recruiters and Placements

FC Placements is the assured entry for M.Sc students to the world of Software or core Electronics Industry. As a part of pre-placement activity, our students undergo training to enhance their skills to the fullest before they are exposed to the industry. This is an additional activity apart from regular college curricular activities.

Pre-placement includes

1. Lectures on latest technologies.
2. Lectures on English speaking and effective communication.
3. Lectures on self and skill development.

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CURRICULUM

Master of Science (M.Sc.) in Electronic Science is a post graduate (autonomous) programme. The credit system implemented through this curriculum, allows students to develop a strong footing in the fundamentals and special disciplines of his/her liking and abilities.

The students pursuing this programme would be provided in-depth knowledge in various aspects of the subject. The working principles, design guidelines and experimental skills associated with different semiconductor devices and circuits, underlying mathematical and analysis techniques, electromagnetic and instrumentation principles, design methodologies for digital and embedded systems, communication electronics and control systems and industrial automation including various applications of electronic devices, circuits and Systems are among such important aspects.

Salient Features of the Credit System:

Master's degree course in Electronic Science would be of 100 credits, where one credit course of theory will be of one clock hour per week running for 15 weeks and one credit for practical course will consist of 15 of laboratory exercise including the revision and setting up the practical. Thus, each credit will be equivalent to 15 hours

COURSES

Course Name	Master of Science (Electronic Science)
Course Type	Non-Grant
Intake	48
Eligibility	B.Sc. (Electronics) or Electronics as a subsidiary subject.
Specialization	Electronic Science
Duration	4 Semesters (2 years)
Selection Process	By Entrance Exam
Placement/ Future Career Opportunity	Industry (core + software), Research Org., Self employment, Academic Institutes.

M.Sc Electronic Science Programme is designed keeping in view the credits prescribed. Master's degree in Electronic Science is of 100 credits. Every student has to complete 100 credits in a minimum of four semesters.

PRESCRIBED COURSE (100 credits)

Semester – I (25 credits)

(Core) Mathematical Methods in Electronics and Network Analysis, (Core) Analogue Circuit Design, (Core) Digital System Design, (Core) Advanced 'C' Programming, practical and skill based course.

Semester – II (Credits: 25)

(Core) Applied Electromagnetics, Microwaves and Antennas, (Core) Instrumentation and Measurement Techniques, (Core) Embedded System

Design, (Core) Foundation of Semiconductor Devices, practical

Semester –III (25 credits)

Communication Electronics (Core), Embedded Processors (Core), Power Electronics (Core), practical and Open source Hardware Platform

(Electives available) Programmable Logic Controller, Python programming.

Semester –IV (25 credits)

(Core) Data Communication and Networking, Industrial Process Control, Mechatronics, Introduction to SCADA, Project Course

(Electives available), Fundamentals of RTOS, Internet of Things.

ADDITIONAL COMPULSORY COURSES (10 credits)

Introduction to Cyber Security / Information Security (4 credits)
Human Rights (2 Credits)
Skill Development (4 Credits)