



Mount Carmel College, Autonomous

No. 58, Palace Road, Bengaluru – 52.

Admissions open for M.Sc. Electronics 2017-18

About the Course

- **M.Sc. Electronics** is a **Four-Semester/2 year Course** started in the academic year 2009-10 with emphasis on **Embedded Systems, Signal Processing, Nanoelectronics and VLSI Design.**
- The course is designed to offer indepth knowledge of the subject starting from its basic concepts to the state of art technologies in use today.
- Students are provided extensive laboratory training on the course content to meet the current requirements of industries and R & D organizations.
- **Choice Based Credit System** introduced in the year 2014-15 enables students to choose subjects of their choice of interest.

Advantages of the course

- The course provides exposure to the students to the technologies in-vogue and trains them to take up projects relevant to the industrial needs, the R& D activities and self-employment opportunities.
- A student after passing the M.Sc course has many opportunities of employment, self-employment and to pursue higher studies.
- The course syllabus is designed in accordance with UGC- NET/SLET and other competitive examinations.

Employment Opportunities

Majority of our M.Sc. graduated students are well placed in the following areas:

- Electronics and Telecommunication Industries.
- I.T. Industries (India and Abroad).
- Process and Manufacturing Industries.
- Research and Development Laboratories.
- Lecturers in PUC (+2) and Degree colleges.
- Faculty in International Schools
- Public sector Banks.
- Research leading to PhD



Eligibility Criterion

A student is eligible for admission to the M.Sc. course provided she has passed the B.Sc./B.Sc. (Hon) examination with an aggregate of 50% minimum either with Electronics as a principal subject or a subsidiary/ interdisciplinary / applied / allied subjects.

The candidates seeking admission are required to apply through online, for more details check our website (<http://www.mountcarmelcollegeblr.co.in>).

M.Sc. Electronics courses offered

I Semester	
CC-01	Electronic Devices + Lab
CC-02	Network Analysis
CC-03	Power Electronics + Lab
CC-04	Digital Electronics and VHDL Programming + Lab
AC-01	PCB Design using OrCAD
AC-02	Embedded C - Programming
SC-01	Soft Course
II Semester	
CC-05	Embedded systems and PIC Microcontroller + Lab
CC-06	Advanced Communication + Lab
CC-07	Modern Control Systems +Lab
CC-08	MEMS and Microsystems + Lab/Tutorial
AC-03	Electronic Instrumentation
AC-04	Optical Fiber Communication
SC-02	Soft Course
III Semester	
CC-09	VLSI Design and Systems
EC-01	Digital Signal Processing + lab
EC-02	Nanoelectronics I + Lab
EC-03	Biomedical Instrumentation
AC - 05	ARM
SC- 03	Soft Course
MC -01	Multidisciplinary Course
IV Semester	
EC -04	Microwaves and Antenna Theory
EC-05	Nanoelectronics II + Lab
PR-01	Project
	Electives
EC-06A	Embedded Systems Design
EC-06B	Digital Image Processing
EC-06C	Wireless Communication

For further information contact Dept. of Electronics, Mount Carmel College

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