



MEDE Study Plan

1 st Year Semester 1 8 courses 20 credits	090913101 3(3-0-6) Applied Mathematics for Engineering I	090913103 3(3-0-6) Applied Physics for Engineering I	090913104 1(0-2-1) Applied Physics for Engineering Laboratory I	080133001 3(3-0-6) Communicative Listening and Speaking	080303501 1(0-2-1) Badminton	090913109 3(3-0-6) Engineering Drawing, CAD and PCD Design	091013101 3(3-0-6) Introduction to Computer Programming	091013201 3(3-0-6) Introduction to Microelectronics and Semiconductor Industries
1 st Year Semester 2 7 courses 17 credits	090913102 3(3-0-6) Applied Mathematics for Engineering II	090913105 3(3-0-6) Applied Physics for Engineering II	090913106 1(0-2-1) Applied Physics for Engineering Laboratory II	080133002 3(3-0-6) Communicative Reading and Writing	091013104 3(3-0-6) Electric Circuit Analysis	091013105 1(0-2-1) Electric Circuit Analysis Laboratory	090913110 3(3-0-6) Statistics and Quality Control	
2 nd Year Semester 1 8 courses 19 credits	091013102 3(3-0-6) Applied Linear Algebra and Differential Equation for Engineering	090913107 3(3-0-6) Applied Chemistry for Engineering	090913108 1(0-2-1) Applied Chemistry for Engineering Laboratory	091013501 2(2-0-4) Engineering Mindset	091013106 3(3-0-6) Electronics Circuit	091013107 1(0-2-1) Electronics Circuit Laboratory	091013202 3(3-0-6) Signals and Systems	091013206 3(3-0-6) Principles of Communications
2 nd Year Semester 2 7 courses 19 credits	070153810 3(3-0-6) Laws in Digital Economy	091013103 3(3-0-6) Electromagnetic Fields and Waves	091013110 3(3-0-6) Semiconductor Devices	0910133xx 3(3-0-6) MEDE Elective Course	091013108 3(3-0-6) Digital and Logic Design	091013109 1(0-2-1) Digital and Logic Design Laboratory	091013204 3(3-0-6) Digital Signal Processing	
3 rd Year Semester 1 6 courses 18 credits	xxxxxxxx 3(3-0-6) Free Elective Course	0910133xx 3(3-0-6) MEDE Elective Course	0910133xx 3(3-0-6) MEDE Elective Course	091013203 3(3-0-6) Design of CMOS Mixed-Signal Integrated Circuits	091013210 3(3-0-6) VLSI Architecture	091013207 3(3-0-6) Embedded Systems		
3 rd Year Semester 2 6 courses 18 credits	070153813 3(3-0-6) Design Thinking	070153711 3(3-0-6) Entrepreneurship Skills	0910133xx 3(3-0-6) MEDE Elective Course	091013205 3(3-0-6) Design of Radio-Frequency Integrated Circuits	091013304 3(3-0-6) Industrial Research Methodology	091013208 3(3-0-6) Internet of Things		
4 th Year Semester 1 5 courses 12 credits	091013401 0(30 hrs.) Pre Co-operative Education	080303603 3(3-0-6) Personality Development	090913501 3(3-0-6) Carbon Management Strategies for Global Sustainability	xxxxxxxx 3(3-0-6) Free Elective Course	091013209 3(3-0-6) Seminar in Electrical and Computer Engineering			
4 th Year Semester 2 1 course 6 credits	09101340x 6(540 hrs.) Co-operative Education Elective Course							
5 th Year Semester 1 5 courses 15 credits	090245xxx 3(3-0-6) ECE Elective Course	090245xxx 3(3-0-6) ECE Elective Course	090245xxx 3(3-0-6) ECE Elective Course	090245xxx 3(3-0-6) ECE Elective Course	090245xxx 3(3-0-6) ECE Elective Course			
5 th Year Semester 2 1 course 12 credits	090245098 12 Master Thesis							

→ Prerequisites

...→ Prerequisites or Corequisites