

Master of Engineering in Electrical and Computer Engineering Study Plan (for Full-time Students)

Semester I		Total Credit Hours : 9	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 500	Integrated Circuit Design	3	CEN304 of equivalent
ECE 510	Advanced Communication Systems	3	EEN338 or equivalent
ECE 520	Advanced Power System Analysis	3	EEN345 or Equivalent

Semester II		Total Credit Hours : 9	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 501	Advanced Embedded System Design	3	CEN305 or equivalent
MEM 501	Project Management	3	Graduate Standing
ECE 512	Smart Grids and Renewable Energy	3	ECE520

Semester III		Total Credit Hours : 9	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 611	Advanced Mixed-Mode Integrated Circuit Design	3	ECE 500
ECE 621	Computer and Machine Vision	3	Graduate Standing
MEM 502	Advanced Engineering Economics	3	GEN200

Semester IV		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
MEM 510	Innovation and Entrepreneurship	3	Graduate Standing
ECE 690	Electrical and Computer Engineering Management-based Project	3	15 credits

Study Plan (for Part-time Students)

Semester I		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 500	Integrated Circuit Design	3	CEN304 of equivalent
ECE 510	Advanced Communication Systems	3	EEN338 or equivalent

Semester II		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 501	Advanced Embedded System Design	3	CEN305 or equivalent
MEM 501	Project Management	3	Graduate Standing

Semester III		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 520	Advanced Power System Analysis	3	EEN345 or Equivalent
ECE 611	Advanced Mixed-Mode Integrated Circuit Design	3	ECE 500

Semester IV		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
ECE 512	Smart Grids and Renewable Energy	3	ECE520
MEM 502	Advanced Engineering Economics	3	GEN 200

Semester V		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
	Elective course II	3	
ECE 621	Computer and Machine Vision	3	Graduate Standing

Semester VI		Total Credit Hours : 6	
Course Code	Course Title	Credit Hours	Prerequisite(s)
MEM 510	Innovation and Entrepreneurship	3	Graduate Standing
ECE 690	Electrical and Computer Engineering Project (Management-based)	3	15 credits