

## Master of Science in Electrical and Computer Engineering Study Plan

Total Credit Hours: 33

### Full-time Students

#### Semester 1

Code	Title	Cr.	Prerequisite
ECE 500	Integrated Circuit Design	3	Graduate Standing
ECE 510	Advanced Communication Systems	3	Graduate Standing
ECE 520	Advanced Power System Analysis	3	Graduate Standing

Total Credit hours      9

#### Semester 2

Code	Title	Cr.	Prerequisite
ECE 501	Advanced Embedded System Design	3	Graduate Standing
MEM 501	Project Management	3	Graduate Standing
ECE 512	Smart Grids and Renewable Energy	3	Graduate Standing

Total Credit hours      9

#### Semester 3

Code	Title	Cr.	Prerequisite
ECE 611	Advanced Mixed-Mode Integrated Circuit Design	3	Graduate Standing
ECE 621	Computer and Machine Vision	3	Graduate Standing
	Elective course I	3	-

Total Credit hours      6

#### Semester 4

Code	Title	Cr.	Prerequisite
	Elective course II	3	-
ECE 690	Electrical and Computer Engineering Project	3	15 credits
Or	Or	6	
ECE 691	Thesis in Electrical and Computer Engineering	6	

Total Credit hours      6

## Master of Science in Electrical and Computer Engineering Study Plan

Total Credit Hours: 33

### Part-time Students

#### Semester 1

Code	Title	Cr.	Prerequisite
ECE 500	Integrated Circuit Design	3	Graduate Standing
ECE 510	Advanced Communication Systems	3	Graduate Standing
Total Credit hours		9	

#### Semester 2

Code	Title	Cr.	Prerequisite
ECE 501	Advanced Embedded System Design	3	Graduate Standing
MEM 501	Project Management	3	Graduate Standing
Total Credit hours		9	

#### Semester 3

Code	Title	Cr.	Prerequisite
ECE 520	Advanced Power System Analysis	3	Graduate Standing
ECE 611	Advanced Mixed-Mode Integrated Circuit Design	3	Graduate Standing
Total Credit hours		6	

#### Semester 4

Code	Title	Cr.	Prerequisite
ECE 512	Smart Grids and Renewable Energy	3	Graduate Standing
	Elective course I	3	-
Total Credit hours		6	

#### Semester 5

Code	Title	Cr.	Prerequisite
	Elective course II	3	-
ECE 621	Computer and Machine Vision	3	Graduate Standing
Total Credit hours		6	

#### Semester 6

Code	Title	Cr.	Prerequisite
ECE 690	Electrical and Computer Engineering Project	3	15 credits
OR			
ECE 691	Thesis in Electrical and Computer Engineering	6	15 credits
Total Credit hours		3 or 6	