



 University Requirements
 Faculty Requirements (Basic Science)
 Specialization Requirements of Technical Electives
 Specialization Requirements
 Faculty Requirements (Basic Engineering)

(Prerequisites are deSemesterined according to the selected course)

— 3CH Course
 - - - 2CH Course
 4CH Course

Track 1: Signals and Communication Systems

EG10535 15 Credits	Satellite Communications	ECE358 Satellite Communications	100%	ECE454 Satellite Communication Systems	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam
EG10536 15 Credits	Statistical Signal Processing	ECE359 Statistical Signal Processing	100%	ECE357 Statistical Signal Processing	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam

Track 2: Circuits and Systems

EG10537 15 Credits	VLSI Technology	ECE381 VLSI Technology	100%	ECE411 Integrated Circuits Technology	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam
EG10538 15 Credits	Introduction to Embedded Systems	CSE341 Introduction to Embedded Systems	100%	CSE211 Introduction to Embedded Systems	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam

Track 3: Physical and Wave Electronics

EG10539 15 Credits	Microwave Circuits	ECE364 Microwave Circuits	100%	ECE337 Microwave Circuits	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam
EG105310 15 Credits	Optical Sensing	ECE493 Selected Topics in Physical and Wave Electronics	100%	ECE338 Optical Sensing and Instrumentation	100%	Portfolio of students' work includes samples of the following: <ul style="list-style-type: none"> • Assignments • Final Exam