Joint BS in Computer Engineering/MS in Electrical and Computer Engineering

Degree Requirements

The joint Bachelor of Science in Computer Engineering (BSCE) and Master of Science in Electrical and Computer Engineering (MSECE) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in electrical and computer engineering, or who wish to prepare themselves for advanced placement in the workplace. Students will earn both a 4 BSCE degree and an MSECE degree upon completion of the program, with 8 hours of coursework shared between the two degrees.

The requirements for completion of the joint degree program are identical to the completion of the two separate degrees; however, 8 hours of shared coursework may be used for both degrees. Completion of 120 semester hours at the <u>undergraduate level</u>; plus 8 shared hours counting toward both degrees; plus 28 hours at the <u>graduate level</u> will result in joint BSCE/MSECE degrees.

Students who have completed at least 30 hours of ECE core courses and have an overall institutional GPA of 3.25 or higher can apply for the joint program. Undergraduate students admitted into the joint program can register for two technical-elective ECE courses and receive graduate credit for them. In taking 400- level courses as graduate-level courses, students may take advantage of differential credit to earn 4 hours (in each course respectively), instead of the typical 3 hours (or they may earn 5 hours if the course is already a 4-hour course with a laboratory component). These two courses, which may apply up to 8 hours to both degrees, will require pre-approval by an academic advisor and will be recorded in the student's academic record by the ECE Student Affairs Office; in addition, the ECE Student Affairs Office will submit the necessary paperwork to allow the undergraduate student to register for the graduate section of these courses that will be used at the undergraduate level to fulfill 8 hours of technical elective requirements, and at the graduate-level to fulfill required coursework for the MS courseonly option.

Sample Course Schedule

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ECE 115	Introduction to Electrical and Computer Engineering	4
ENGR 100	Engineering Success Seminar ^a	1
	Hours	16
Second Semester		
MATH 181	Calculus II	4
PHYS 141	General Physics I (Mechanics)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3

Sophomore Year First Semester MATH 210 Calculus III PHYS 142 General Physics II (Electricity and Magnetism) CS 151 Mathematical Foundations of Computing ECE 265 Introduction to Logic Design General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 226 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester MS Coursework Hours Second Semester MS Coursework Hours	CS 107	Introduction to Computing and Programming	4
First Semester MATH 210 Calculus III PHYS 142 General Physics II (Electricity and Magnetism) CS 151 Mathematical Foundations of Computing ECE 265 Introduction to Logic Design General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 255 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 310 ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Second Semester ECE 396 Senior Design I ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Second Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Frofessional Development Seminar Technical Electives General Education Core course Hours First Semester First Semester MS Coursework Hours Second Semester MS Coursework Hours Hours		Hours	15
MATH 210 Calculus III PHYS 142 General Physics II (Electricity and Magnetism) CS 151 Mathematical Foundations of Computing ECE 265 Introduction to Logic Design General Education Core course Hours	Sophomore Year		
PHYS 142 General Physics II (Electricity and Magnetism) CS 151 Mathematical Foundations of Computing ECE 265 Introduction to Logic Design General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 226 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester First Semester MS Coursework Hours Second Semester MS Coursework Hours Second Semester MS Coursework Hours	First Semester		
CS 151 Mathematical Foundations of Computing ECE 265 Introduction to Logic Design General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 226 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 342 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester ECE 499 Professional Development Seminar First Semester First Semester First Semester MS Coursework Hours Second Semester MS Coursework Hours	MATH 210	Calculus III	3
ECE 265 Introduction to Logic Design General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 342 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester KCC 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	PHYS 142	General Physics II (Electricity and Magnetism)	4
General Education Core course Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 342 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 398 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours First Semester MS Coursework Hours Second Semester MS Coursework Hours	CS 151	Mathematical Foundations of Computing	3
Hours Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 226 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 333 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Second Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester KCE 399 Ronior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 265	Introduction to Logic Design	4
Second Semester MATH 220 Introduction to Differential Equations PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 226 Circuit Analysis ECE 226 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 342 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	General Education Co	re course	3
MATH 220 Introduction to Differential Equations PHYS 280 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 341 Probability and Random Processes for Engineers ECE 333 Computer Organization Hours Second Semester ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Second Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours First Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	17
PHYS 260 Introduction to Thermal Physics ECE 225 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 310 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 342 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Second Semester		
ECE 225 Circuit Analysis ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	MATH 220	Introduction to Differential Equations	3
ECE 266 Introduction to Embedded Systems CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	PHYS 260	Introduction to Thermal Physics	2
CS 251 Data Structures Hours Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 225	Circuit Analysis	4
Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 266	Introduction to Embedded Systems	4
Junior Year First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	CS 251	Data Structures	4
First Semester MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	17
MATH 310 Applied Linear Algebra ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Junior Year		
ECE 310 Discrete and Continuous Signals and Systems ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	First Semester		
ECE 340 Electronics I ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	MATH 310	Applied Linear Algebra	3
ECE 341 Probability and Random Processes for Engineers ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 310	Discrete and Continuous Signals and Systems	3
ECE 366 Computer Organization Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Hours Second Semester MS Coursework Hours	ECE 340	Electronics I	4
Hours Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 341	Probability and Random Processes for Engineers	3
Second Semester ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 366	Computer Organization	3
ECE 333 Computer Communication Networks I ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	16
ECE 465 Digital Systems Design ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Second Semester		
ECE 466 Computer Architecture ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 333	Computer Communication Networks I	4
ECE 467 Introduction to VLSI Design General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 465	Digital Systems Design	3
General Education Core courses Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 466	Computer Architecture	3
Hours Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 467	Introduction to VLSI Design	4
Senior Year First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	General Education Co	re courses	3
First Semester ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	17
ECE 396 Senior Design I Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Senior Year		
Technical Electives General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	First Semester		
General Education Core courses Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 396	Senior Design I	2
Hours Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Technical Electives		7
Second Semester ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	General Education Co	re courses	6
ECE 397 Senior Design II ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	15
ECE 499 Professional Development Seminar Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Second Semester		
Technical Electives General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 397	Senior Design II	2
General Education Core course Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	ECE 499	Professional Development Seminar	0
Hours Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	Technical Electives		10
Fifth Year First Semester MS Coursework Hours Second Semester MS Coursework Hours	General Education Co	re course	3
First Semester MS Coursework Hours Second Semester MS Coursework Hours		Hours	15
MS Coursework Hours Second Semester MS Coursework Hours	Fifth Year		
Hours Second Semester MS Coursework Hours	First Semester		
Second Semester MS Coursework Hours	MS Coursework		14
MS Coursework Hours		Hours	14
Hours	Second Semester		
	MS Coursework		14
Total Hours 1		Hours	14
		Total Hours	156