



**Electrical Engineering  
 Engineering on the Coast**  
[bagley.msstate.edu/coast](http://bagley.msstate.edu/coast)

**Community College Hours**

**1<sup>st</sup> YEAR**

	<b>FALL</b>			<b>SPRING</b>	
Fr-1 H.Elective 1	ENG 1113 - English Composition I	3		ENG 1123 - English Composition II	3
	MAT 1613 - Calculus I	3	Jr-1 H.Elective 2	Humanities Elective*	3
	CHE 1214 - General Chemistry I	4		MAT 1623 - Calculus II	3
	Humanities Elective*	3		CSC 2144 Programming II with C++	4
	CSC 2134 Programming I with C++	4	So-2 SS elective #1	Social/Behavioral Sciences elective*	3
		17			16

**2<sup>nd</sup> YEAR**

	<b>FALL</b>			<b>SPRING</b>	
Sr-1 FA elective	MAT 2613 Calc III-A	3		PHY 2524 General Physics II-w/calculus	4
	MAT 2113 Intro Linear Algebra	3		MAT 2623 Calculus IV-A	3
	PHY 2514 General Physics I w/calculus	4	Sr-2 SS elective #2	MAT 2913 Diff Equations	3
	CSC 2844 Data Structures	4		Social/Behavioral Sciences elective	3
	Fine Arts elective*	3	Jr-2 EngrSci	EGR 2413 Engineering Mechanics*	3
		17			16

*Students completing this program will have ~64h (roughly four semesters) credit of MSU engineering courses to complete.*

**MSU Hours** *However, the ECE3413/ECE 1013 → ECE3424/ECE 1022 → ECE3434 → ECE4512 → ECE4522 course sequence is five semesters long.*

**3<sup>rd</sup> YEAR**

	<b>FALL</b>			<b>SPRING</b>	
	<i>ECE 3714 Digital Devices</i>	4		<i>ECE 1022 Introduction to ECE Design II</i>	2
	<i>ECE 1013 Introduction to ECE Design I</i>	3		<i>ECE 3724 Microprocessors</i>	4
	<i>ECE 3413 Introduction Electronic Circuits</i>	3		<i>ECE 3424 Intermediate Electronic Circuits</i>	4
	<i>ECE 3313 Electromagnetics I</i>	3		<i>ECE 3323 Electromagnetics II</i>	3
			13		

**4<sup>th</sup> YEAR**

	<b>FALL</b>			<b>SPRING</b>	
	<i>ECE 3434 Advanced Electronic Circuits</i>	4		<i>ECE 4512 Senior Design I</i>	2
	<i>ECE 3443 Signals &amp; Systems</i>	3		<i>GE 3513-06 Technical Communications</i>	3
	<i>ECE 3614 Fund. Energy Systems</i>	4		<i>ECE 4xx3 Technical Elective</i>	3
	<i>IE 4613 Engineering Statistics I</i>	3	Sr-1 EngrSci	<i>Engineering Science Elective**</i>	3
			14	<i>(Optional – 1h) ME 4111 Professional Seminar</i>	

**5<sup>th</sup> YEAR**

	<b>FALL</b>				
Sr-2 PE Elective	<i>ECE 4522 Senior Design II</i>	2			
	<i>ECE 3213 Solid-State Electronics</i>	3			
	<i>ECE 4xx3 Technical Elective</i>	3			
	<i>ECE 4xx3 Technical Elective</i>	3			
	<i>Professional Enrichment Elective***</i>	3			
		14			

**NOTES**

Courses listed in *italics* are MSU-offered courses

Semester credit hours offered by different community colleges 63/66

Semester credit hours offered by MSU 65

*Only 63h credit toward EE degree program –*

*Three courses (PH2514, PH2524, CSC2844) are 4h credit where MSU equivalent courses (PH2213, PH2223, CSE2383) award only 3h credit (courses contain non-credit lab component)*

At least ½ total requirements at a senior college (per MSU Undergraduate Catalog → Admission of Transfer Students)

\* Humanities, Fine Arts, and Behavioral/Social Science electives must be chosen from a list of approved courses. Consult with your adviser for more information before scheduling these courses.

\*\* Engineering Science elective is either ME 3513 Thermodynamics I or IE 3913 Engineering Economy.

\*\*\* Professional Enrichment elective is chosen to support student attainment of certificate, minor, additional EE technical knowledge or other outcomes. Consult your adviser for more information, and to declare your desired professional enrichment outcome.

EE Technical elective selections must satisfy the Breadth and Depth Policy as described online at [www.ece.msstate.edu/academics/undergradprog/ee/ee-tech.html](http://www.ece.msstate.edu/academics/undergradprog/ee/ee-tech.html).