



ELECTRICAL ENGINEERING
MSU Bozeman 2017-2018
MSU Billings 2017-2018

These are courses required by the College of Engineering at MSU Bozeman. The general education courses taken at MSU Billings will need to be those required by MSU Bozeman. NOTE: This curriculum depends on whether or not the student enters the pre-engineering curriculum with deficiencies in math and/or science.

MSU Bozeman Course #	Course Title	Credit	MSU Billings Course #	Course Title	Credit
1st Year					
EELE 101	Intro Electrical Fundamentals	3	CSCI 111A	<i>Programming with Java I¹</i>	4
WRIT 101W	College Writing I	3	*WRIT 101	<i>College Writing I</i>	3
M 171Q	Calculus I	4	*M 171	<i>Calculus I</i>	4
M 172Q	Calculus II	4	*M 172	<i>Calculus II</i>	4
			M 110	<i>Mathematical Computing</i>	1
PHSX 220	Physics I (w/ calculus)	4	*PHSX 220/221	<i>Physics I/Lab</i>	4
PHSX 222	Physics II (w/ calculus)	4	*PHSX 232/233	<i>Physics II & Thermodynamics/Lab</i>	4
COMX 111US or CLS 101US	Intro. Public Communication Knowledge & Community	3	COMX 111	<i>Intro to Public Speaking</i>	3
CSCI 112	Programming with C I	3		No equivalent	
Total credits		28			27
2nd Year					
CHMY 141	College Chemistry I	4	*CHMY 141	<i>College Chemistry I</i>	3
			CHMY 142	<i>College Chemistry I Lab</i>	1
EELE 261	Intro Logic Circuits	3		No equivalent	
M 273Q	Multivariable Calculus	4	*M 273	<i>Multivariable Calculus</i>	4
M 274	Intro to Diff Equations	4	*M 274	<i>Differential Equations</i>	4
PHSX 224	Physics III	4		No equivalent	
EELE 201	Circuits I for Engineering	4		No equivalent	
EELE 203	Circuits II for Engineering	4		No equivalent	
EGEN 350	Applied Engr Data Analysis	3		No equivalent	
Core		3	General Education	See General Core sheet	3
Total credits		33			24

MSU Bozeman Electrical Engineering program requires 18 credits of approved professional electives, of which at least 9 credits must be in Electrical Engineering courses and at least 6 credits must be outside of Electrical Engineering in approved professional electives. There must be a minimum of 4 credits at the 300 level or above in the students approved electives package.

*Certain courses in this program have prerequisites; students should check the course descriptions at each institution for required prerequisites.

Ultimately, it is the student's responsibility to verify program requirements and acceptance of coursework with Montana State University Bozeman.

¹ For students completing this plan before transferring to MSU for the BSEE program, CSCI 111 will be substituted for EELE 101.