

# ELECTRICAL ENGINEERING ~ NORTH DAKOTA STATE UNIVERSITY

## Curriculum Guide ~ FALL 2021

Student: \_\_\_\_\_

Student ID#: \_\_\_\_\_

		Fall				Spring			
		Course	Crs	Grade	Gen Ed	Course	Crs	Grade	Gen Ed
Freshman (<27 crs)	MATH 165	Calculus I	4		R	MATH 166	Calculus II	4	
	ECE 111	Intro to ECE	3			ECE 275	Digital Design Lab	4	
	COMM 110	Fund of Public Speaking	3		C	ECE 173	Intro to Computing	4	
	ENGL 110	College Composition I	3		C	CHEM 121	General Chemistry I	3	S
	Gen Ed Elective	<a href="#">See NDSU Bulletin</a>	3		A/B/D/G	ENGL 120	College Composition II	3	C
	Wellness	<a href="#">Wellness</a>	2		W				
			<b>18</b>					<b>18</b>	
Sophomore (27-59 crs)	MATH 265	Calculus III (w/ Vectors)	4			MATH 266	Intro to Differential Equations	3	
	MATH 129	Basic Linear Algebra	3			ECE 311	Circuit Analysis II w/ Lab	4	
	EE 206	Circuit Analysis I/Lab	4			ECE 351	Applied EM w/ Lab	4	
	PHYS 251	University Physics I	4		S	PHYS 252	University Physics II	4	S
	Gen Ed Elective	<a href="#">See NDSU Bulletin</a>	3		A/B/D/G	Science Lab	CHEM 121L, PHYS 251L or PHYS 252L	1	L
			<b>18</b>					<b>16</b>	
Junior (60 - 89 crs)	ECE 320	Electronics I w/Lab	3			ECE 401	Design I (Capstone)	1	
	ECE 321	Electronics II w/lab	2			ECE 343	Signals and Systems	4	
	ECE 376	Embedded Systems Lab	4			ECE 331	Energy Conversion w/ Lab	4	
	ECE 341	Random Processes	3			ENGL*	ENGL 320, 321, 324, or 459	3	C
	Gen Ed Elective	<a href="#">See NDSU Bulletin</a>	3		A/B/D/G	Gen Ed Elective	<a href="#">See NDSU Bulletin</a>	3	A/B/D/G
			<b>15</b>					<b>15</b>	
Senior (90 + crs)	ECE 403	Design II (capstone)	2			ECE 405	Design III (Capstone)	3	
	ENGR 402	Engineering Ethics/Social Resp	1			ECE Elective		3	
	ECE Elective		3			Tech Elective		3	
	ECE Elective		3			Tech Elective		3	
	Tech Elective		3			Tech Elective		3	
			<b>12</b>					<b>15</b>	

