

**Electrical Engineering
University of North Dakota
BSEE Status Sheet**

Transferred from:

Started UND (Sem/Yr):

NAME:	ID #:	ADVISOR:
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Fall - Year 1

ES				Credits	Grade	Sem/Yr
L&Q	Chem	121	General Chemistry I	3		
L&Q	Chem	121L	General Chemistry I Lab	1		
	EE	101	Intro to EE ¹	1		
	Engl	110	College Composition I	3		
	Math	165	Calculus I	4		
			Social Sciences Elective (SS) ^{2,3}	3		
			Humanities Elective (A&H) ^{2,3}	3		
				3		
				<u>18</u>		

Spring -Year 1

ES				Credits	Grade	Sem/Yr
	EE	201	Intro to Digital Electronics	2		
	EE	201L	Digital Electronics Laboratory	1		
	Math	166	Calculus II	4		
	Phys	251	University Physics I	4		
			Fine Arts Elective (A&H) ^{2,3}	3		
			A&H or SS Elective ^{2,3}	3		
				3		
				<u>17</u>		

Fall - Year 2

	EE	206	Circuit Analysis	3		
	EE	206L	Circuits Laboratory I	1		
	EE	304	Computer Aided Meas & Contr	3		
	Engl	130	College Composition II	3		
	Math	265	Calculus III	4		
	Phys	252	University Physics II	4		
				<u>18</u>		

Spring - Year 2

	EE	313	Linear Electric Circuits	3		
	EE	313L	Circuits Laboratory II	1		
	Engr	460	Engineering Economics (SS) ²	3		
	Math	207	Introduction to Linear Algebra	2		
	Math	266	Elem Differential Equations	3		
			Non-EE Elective ⁴	3		
				3		
				<u>15</u>		

Fall - Year 3

	EE	314	Signals and Systems	3		
	EE	314L	Signals and Systems Lab	1		
	EE	316	Electric & Magnetic Fields	3		
	EE	318	Engineering Data Analysis	3		
	EE	321	Electronics I	3		
	EE	321L	Electronics Lab I	1		
				<u>14</u>		

Spring - Year 3

	EE	401	Electric Drives	3		
	EE	401L	Electric Drives Lab	1		
	EE	405	Control Systems	3		
	EE	405L	Control Systems Lab	1		
	EE	409	Distributed Networks	3		
	EE	421	Electronics II	3		
	EE	421L	Electronics Lab II	1		
	EE	452	Embedded Systems	3		
	EE	452L	Embedded Systems Lab	1		
				<u>19</u>		

Fall - Year 4

A&C	EE	480	Senior Design I ⁵	3		
			Electrical Engineering Elective ⁷	3		
			Electrical Engineering Elective ⁷	3		
			Non-EE Elective ⁴	3		
				<u>12</u>		

Spring - Year 4

O	EE	481	Senior Design II ⁶	3		
			Electrical Engineering Elective ⁷	3		
			Electrical Engineering Elective ⁷	3		
			Ethics Elective (A&H or SS) ^{2,3,8}	3		
				<u>12</u>		

Total Credits: 125

BSEE Status Sheet

1	May be waived for transfer students (substitute science credit required).
2	To meet the University's Essential Studies Breadth of Knowledge requirements, all students must complete 9 credits of Arts & Humanities Electives (minimum of 2 departments, including 3 Fine Arts credits and 3 Humanities credits) and 9 credits of Social Sciences Electives (minimum of 2 departments). Refer to the online Academic Catalog for a listing of acceptable Essential Studies courses.
3	To meet the University's Essential Studies Social-Cultural Diversity requirements, all students must complete 3 credits of Global (G) Diversity Electives and 3 credits of United States (U) Diversity Electives. Refer to the online Academic Catalog for a listing of acceptable Essential Studies G and U Diversity Electives.
4	Non-EE Elective choices: Egnr 201 Statics, Engr 202 Dynamics, Engr 203 Mechanics of Materials, ME 301 Materials Science, ME/CE 306 Fluid Mechanics, and ME 341 Thermodynamics, Computer Science, Engineering (including EE), Math, and Physics courses approved by advisor, normally 300 level or higher. Math 308 History of Math and Math 321 Applied Statistical Methods do not meet the requirements of non-EE Elective. CSci 242 Algorithms and Data Structures, CSci 260 Advanced Programming Languages, and Math 208 Discrete Mathematics are permitted.
5	EE 480 Senior Design I meets the Essential Studies Special Emphasis requirements for Advanced Communication (A) and Senior Capstone (C). EE 480 Prerequisites: EE 421 and EE 421L and <u>two out of the four following classes: EE 401, EE 405, EE 409, EE 452.</u>
6	EE 481 Senior Design II meets the Essential Studies Special Emphasis requirement for Oral Communication (O).
7	Maximum of three credits of EE 490 Advanced EE Problems allowed as an independent study, applicable to both EE and non-EE electives. 2 credits of EE 397 Cooperative Education (40 hours/week) is equivalent to 3 credits of the EE Electives with S/U grading, maximum 4 credits of EE 397 is equivalent to maximum of 6 credits of EE Elective.
8	The Ethics Elective is a 3-credit course that meets Essential Studies requirements in either the Arts & Humanities or the Social Sciences. Ethics Elective choices: Phil 250 Ethics in Engineering & Science (A&H, Humanities), ChE 340 Professional Integrity in Engineering (SS), and ME 370 Engineering Disasters & Ethics (SS).

Grade of "C" or better is required in all EE major courses for graduation.

Fall 2017