

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		
	Engr	110	College Composition I	3		
	Engr	101	Graphical Communication	3		
	Math	165	Calculus I	4		
			Humanities Elective (A&H) ^{2,3}	3		
				18		

Spring -Year 1

ES				Credits	Grade	Sem/Yr
EE	201		Intro to Digital Electronics	2		
EE	202		EE Laboratory	1		
Engr	201		Statics	3		
Math	166		Calculus II	4		
			Fine Arts Elective (A&H) ^{2,3}	3		
			Social Sciences Elective (SS) ^{2,3}	3		
				16		

Fall - Year 2

EE	206		Circuit Analysis	3		
EE	304		Computer Aided Meas & Contr	3		
EE	306		Circuits Laboratory I	1		
Engr	130		College Composition II	3		
Math	265		Calculus III	4		
Phys	251/251L		University Physics I/Lab	4		
				18		

Spring - Year 2

EE	307		Circuits Laboratory II	1		
EE	313		Linear Electric Circuits	3		
Math	266		Elem Differential Equations	3		
Phys	252/252L		University Physics II/Lab	4		
Engr	460		Engineering Economics (SS) ²	3		
			Engineering Science Elective ⁴	3		
				17		

Fall - Year 3

EE	308		Junior Laboratory I	2		
EE	314		Signals and Systems	3		
EE	316		Electric & Magnetic Fields	3		
EE	318		Engineering Data Analysis	3		
EE	321		Electronics I	3		
Math	207		Introduction to Linear Algebra	2		
				16		

Spring - Year 3

EE	309		Junior Laboratory II	2		
EE	401		Electric Drives	3		
EE	405		Control Systems	3		
EE	409		Distributed Networks	3		
EE	421		Electronics II	3		
EE	452		Embedded Systems	3		
				17		

Fall - Year 4

A&C	EE	480	Senior Design I ⁵	3		
			Electrical Engineering Elective ⁸	3		
			Electrical Engineering Elective ⁸	3		
			Basic or Applied Science Elective ⁷	3		
			Engineering Science Elective ⁴	3		
			Technical Elective ^{8,10}	3		
				18		

Spring - Year 4

O	EE	481	Senior Design II ⁶	3		
			Electrical Engineering Elective ⁸	3		
			A&H or SS Elective ^{2,3}	3		
			Ethics Elective (A&H or SS) ^{2,3,9}	3		
			Technical Elective ^{8,10}	3		
				15		

Total Credits: 135

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	Engineering Science Elective choices: Engr 202 Dynamics, Engr 203 Mechanics of Materials, ME 301 Materials Science, ME/CE 306 Fluid Mechanics, and ME 341 Thermodynamics.
5	EE 480 Senior Design I meets the Essential Studies Special Emphasis requirements for Advanced Communication (A) and Senior Capstone (C).
6	EE 481 Senior Design II meets the Essential Studies Special Emphasis requirement for Oral Communication (O).
7	Basic or Applied Science Elective choices: Avit 421 Advanced Aerodynamics, Chem 122/122L General Chemistry II, Phys 253/253L University Physics III, SpSt 500 Introduction to Orbital Mechanics, and Physics courses 300 level or higher with approval of instructor and advisor. Three or four credits, depending on whether the class has a corequisite laboratory.
8	Maximum of three credits of EE 490 Advanced EE Problems allowed as an independent study, applicable to both EE and Technical Electives.
9	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 The Role of Engineers and Applied Scientists in a Global Society (SS), and ME 370 Engineering Disasters & Ethics (SS).
10	Technical Elective choices: 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 Technical Elective requirement. CSci 242 Algorithms and Data Structures, CSci 260 Advanced Programming Languages, and Math 208 Discrete Mathematics are permitted. 2 credits of EE 397 Cooperative Education (40 hours/week) can be applied toward 3 credits of the Technical Electives with S/U grading, maximum 4 credits of EE 397 is equivalent to maximum of 6 credits of Technical Elective.

Fall 2015 Revised