

<h2 style="margin: 0;">Electrical Engineering</h2> <h3 style="margin: 0;">University of North Dakota</h3> <h4 style="margin: 0;">BSEE Status Sheet - Computer Science Focus</h4>	<p>Transferred from:</p> <p>Started UND (Sem/Yr):</p>
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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		
	Csci	130/160	Intro to Sci. Programming or Computer Science I	4		
	EE	101	Intro to EE <sup>1</sup>	1		
	Engl	110	College Composition I	3		
	Math	165	Calculus I	4		
			Humanities Elective (A&H) <sup>2,3</sup>	3		
				3		
				19		

Spring -Year 1						
ES				Credits	Grade	Sem/Yr
	Csci	161	Computer Science II	4		
	EE	201	Intro to Digital Electronics	2		
	EE	201L	Digital Electronics Laboratory	1		
	Engl	130	College Composition II	3		
	Math	166	Calculus II	4		
			Fine Arts Elective (A&H) <sup>2,3</sup>	3		
				3		
				17		

Fall - Year 2						
				Credits	Grade	Sem/Yr
	CSci	230	System Programming	3		
	EE	206	Circuit Analysis	3		
	EE	206L	Circuits Laboratory I	1		
	EE	304	Computer Aided Meas & Contr	3		
	Math	265	Calculus III	4		
	Phys	251	University Physics I	4		
				18		

Spring - Year 2						
				Credits	Grade	Sem/Yr
	EE	313	Linear Electric Circuits	3		
	EE	313L	Circuits Laboratory II	1		
	Engr	460	Engineering Economics (SS) <sup>2</sup>	3		
	Math	208	Discrete Mathematics	3		
	Math	266	Elem Differential Equations	3		
	Phys	252	University Physics II	4		
				17		

Fall - Year 3						
				Credits	Grade	Sem/Yr
	EE	314	Signals and Systems & Lab	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		
	EE	451	Computer Hardware Organization	3		
				17		

Spring - Year 3						
				Credits	Grade	Sem/Yr
	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		
				15		

Fall - Year 4						
				Credits	Grade	Sem/Yr
			Csci Elective <sup>8</sup>	3		
A&C	EE	480	Senior Design I <sup>4</sup>	3		
			Electrical Engineering Elective <sup>6</sup>	3		
	Math	207	Introduction to Linear Algebra	2		
			Social Sciences Elective (SS) <sup>2,3</sup>	3		
				14		

Spring - Year 4						
				Credits	Grade	Sem/Yr
O	EE	481	Senior Design II <sup>5</sup>	3		
			Electrical Engineering Elective <sup>6</sup>	3		
			Ethics Elective (A&H or SS) <sup>2,3,7</sup>	3		
			A&H or SS Elective <sup>2,3</sup>	3		
				12		

**Total Credits: 129**

**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	EE 480 Senior Design I meets the Essential Studies Special Emphasis requirements for Advanced Communication (A) and Senior Capstone (C). <b>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></b>
5	EE 481 Senior Design II meets the Essential Studies Special Emphasis requirement for Oral Communication (O).
6	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.
7	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).
8	Computer Science Elective choices: Any Computer Science course, 300 level or higher. A maximum of three credits of CSci 260 Advanced Programming Languages is permitted.
Grade of "C" or better is required in all EE major courses for graduation	
<b>Fall 2017</b>	