

**University of North Dakota**  
**B.S.E.E. with a Biomedical Engineering Focus Status Sheet**

Transferred from \_\_\_\_\_

Name \_\_\_\_\_ Advisor \_\_\_\_\_ Year Started \_\_\_\_\_

**Fall – Year 1**

Biol 150/150L	General Biology I	4	_____	_____
Chem 121/121L	General Chemistry I	4	_____	_____
EE 101	Intro to EE <sup>1</sup>	1	_____	_____
Engl 110	College Composition I	3	_____	_____
Math 165	Calculus I	4	_____	_____
		16		

**Spring – Year 1**

Biol 151/151L	General Biology II	4	_____	_____
EE 201	Intro to Digital Electronics	2	_____	_____
EE 202	EE Laboratory	1	_____	_____
Econ 201	Prin. of Microeconomics	3	_____	_____
Engr 201	Statics	3	_____	_____
Math 166	Calculus II	4	_____	_____
		17		

**Fall – Year 2**

EE 206	Circuit Analysis	3	_____	_____
EE 304	Comp. Aided Meas.	3	_____	_____
EE 306	Circuits Laboratory I	1	_____	_____
Engl 125	Technical & Bus. Writing	3	_____	_____
Math 265	Calculus III	4	_____	_____
Phys 251/251L	University Physics I	4	_____	_____
		18		

**Spring – Year 2**

Anat 204	Anatomy for Paramed.	3	_____	_____
EE 307	Circuits Laboratory II	1	_____	_____
EE 313	Linear Electric Circuits	3	_____	_____
Math 266	Elem. Diff. Equations	3	_____	_____
Phys 252/252L	University Physics II	4	_____	_____
_____	Psychology/Sociology <sup>2</sup>	3	_____	_____
		17		

**Fall – Year 3**

Chem 122/122L	General Chemistry II	4	_____	_____
EE 308	Junior Laboratory I	2	_____	_____
EE 314	Signals and Systems	3	_____	_____
EE 316	Electric & Magnetic Fields	3	_____	_____
EE 318	Engr. Data Analysis	3	_____	_____
EE 321	Electronics I	3	_____	_____
		18		

**Spring – Year 3**

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

**Fall – Year 4**

EE 480	Senior Design I <sup>3</sup>	3	_____	_____
EE _____	EE Elective <sup>5</sup>	3	_____	_____
ME 341	Thermodynamics	3	_____	_____
PPT 301	Human Physiology	4	_____	_____
_____	Arts & Humanities Elec. <sup>6</sup>	3	_____	_____
		16		

**Spring – Year 4**

EE 481	Senior Design II <sup>4</sup>	3	_____	_____
EE _____	EE Elective <sup>5</sup>	3	_____	_____
ME 306	Fluid Mechanics	3	_____	_____
Phil 370	Ethics in Engr. & Science	3	_____	_____
_____	Arts & Humanities Elec. <sup>6</sup>	3	_____	_____
_____	Social Science Elective <sup>6</sup>	3	_____	_____
		18		

**Total: 137 Credits**

**Additional Recommended Pre-Medical Courses**

- Anat 204L Anatomy Laboratory (2)
- Biol 315 Genetics (3) – Recommended for MCAT
- Biol 369/369L Histology (2) and Histology Laboratory (2)
- Biol 420 Neuroscience (3)
- BMB 301 Biochemistry Lecture (3)
- Chem 341/341L Organic Chemistry I (4) and Organic Chemistry I Laboratory (1) – Required for UND Medical School
- Chem 342/342L Organic Chemistry II (4) and Organic Chemistry II Laboratory (1) – Required for UND Medical School
- MBio 302/302L General Microbiology Lecture (2) and General Microbiology Laboratory (2)

- [1] May be waived for transfer students.
- [2] Must take Psyc 111 or Soc 110 as a Social Science Elective.
- [3] Senior standing with approval of advisor.
- [4] EE 481 Senior Design II satisfies three credits of the general education requirement in communications.
- [5] Maximum of three credits of EE 490 Advanced EE Problems allowed as an independent study.
- [6] Includes a **World Cultures** course. Refer to the University of North Dakota Undergraduate Academic Catalog for a listing of acceptable general education requirements for students enrolled in the School of Engineering & Mines.