

Example Dual-Degree Plan: Physics B.S.— Baker University & Electrical Engineering B.S.—University of North Dakota (UND)

Freshman Fall				
Course #	Course Name	Cr.	Where	Notes
MA171	Calculus I	4	BU	
PC225	Gen. Physics I	4	BU	
CH137/L	Gen. Chemistry I/Lab	4	BU	
BC110	Freshman Seminar I	3	BU	
BK101	Baker Experience	1	BU	

Freshman Spring				
Course #	Course Name	Cr.	Where	Notes
MA172	Calculus II	4	BU	
PC226	Gen. Physics II	4	BU	See Below*
CH138	Gen. Chemistry II/Lab	4	BU	
BC120	Freshman Seminar II	3	BU	

Sophomore Fall				
Course #	Course Name	Cr.	Where	Notes
PC325	Gen. Physics III	4	BU	See. Below*
PC361	Thermodynamics	3	BU	
MA372	Differential Equations	3	BU	
Core-CA	Core Elective- Creative Arts	3	BU	
PH120	Core-HU (Ethics)	3	BU	
EE101	Intro. to Electrical Engr.	1	UND	

Sophomore Spring				
Course #	Course Name	Cr.	Where	Notes
MA271	Calculus III	4	BU	
PC332	Electronics	4	BU	
Core-HU	Core Elective- Humanities	3	BU	
EE201/L	Intro. to Digital Elect./Lab	4	UND	

Junior Fall				
Course #	Course Name	Cr.	Taken	Notes
PC470	Electricity and Magnetism I	3	BU	Tech. Elective
MA281	Linear Algebra	4	BU	
Core-WL	World Language Requirement	4	BU	
EE 206/L	Circuit Analysis/Lab	4	UND	
EE 304	Comp. Aided Meas. and Cont.	3	UND	

Junior Spring				
Course #	Course Name	Cr.	Where	Notes
PC471	Electricity and Magnetism II	3	BU	
PC381	Statics	3	BU	Non-EE Elective
Core-SS	Core Elective- Social Sciences	3	BU	
EE 313/L	Linear Electric Circuits/Lab	4	UND	
ENGR460	Engineering Economy	3	UND	

Senior Fall				
Course #	Course Name	Cr.	Taken	Notes
PC490	Quantum Mechanics	3	BU	
EE314/L	Signals and Systems/Lab	3	UND	
EE316	Electric and Magnetic Fields	3	UND	
EE318	Engineering Data Analysis	3	UND	
EE 321/L	Electronics I/Lab	4	UND	

Senior Spring				
Course #	Course Name	Cr.	Where	Notes
PC491	Senior Projects	1	BU	
Core-CA	Core Elective- Creative Arts	3	BU	
EE401/L	Electric Drives/Lab	4	UND	
EE405/L	Control Systems I/Lab	4	UND	
EE421/L	Electronics II/Lab	4	UND	

Fifth Year Fall				
Course #	Course Name	Cr.	Taken	Notes
Core-SS	Core Elective- Social Sciences	3	BU	
EE480	Senior Design I	3	UND	
EE Elec.	Electrical Engineering Elective	3	UND	
EE Elec.	Electrical Engineering Elective	3	UND	
EE Elec.	Electrical Engineering Elective	3	UND	

Fifth Year Spring				
Course #	Course Name	Cr.	Where	Notes
Core-Cap	Core- Capstone	3	BU	
EE452/L	Embedded Systems/Lab	4	UND	
EE409	Distributed Networks	3	UND	
EE481	Senior Design II	3	UND	
EE Elec.	Electrical Engineering Elective	3	UND	

Interterm Courses (at Baker)	When to Take	Cr.
First Required Course	After Freshman Fall	1
Second Required Course	Before Senior Spring	1

[illegible]

*PC 226 and PC 325 must both be completed for equivalency to PHYS 252 at UND.