

# Example Dual-Degree Plan: Physics B.S.— Baker University & Mechanical 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	

## 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	
PH120	Core-HU (Ethics)	3	BU	
ME101	Intro. to Mechanical Engineering	3	UND	

## Junior Fall

Course #	Course Name	Cr.	Taken	Notes
PC470	Electricity and Magnetism I	3	BU	Tech. Elective
MA281	Linear Algebra	4	BU	
ENGR202	Dynamics	3	UND	
MATH321	Applied Statistical Methods	3	UND	
ME301	Materials Science	3	UND	

## Senior Fall

Course #	Course Name	Cr.	Taken	Notes
PC490	Quantum Mechanics	3	BU	
Core-WL	World Language Requirement	4	BU	
ENGR460	Engineering Economy	3	UND	
ME306	Fluid Mechanics	3	UND	
ME322	Design of Machinery	3	UND	

## 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 Spring

Course #	Course Name	Cr.	Where	Notes
MA271	Calculus III	4	BU	
PC332	Electronics	4	BU	
PC381	Statics	3	BU	
ENGR200	Comp. Appl. in Engineering	2	UND	
ME201C	Student Design	1	UND	

## Junior Spring

Course #	Course Name	Cr.	Where	Notes
Core-CA	Core Elective- Creative Arts	3	BU	
Core-SS	Core Elective- Social Sciences	3	BU	
Core-HU	Core Elective- Humanities	3	BU	
ENGR206	Fundamentals of Elec. Engr.	3	UND	
ENGR203	Mechanics of Materials	3	UND	

## Senior Spring

Course #	Course Name	Cr.	Where	Notes
PC491	Senior Projects	1	BU	
ME323/L	Machine Component Design/Lab	4	UND	
ME418	Manufacturing Processes	3	UND	
ME474	Fund. of Heat and Mass Trans.	3	UND	
Tech El.	Approved Tech. Elective- Design	3	UND	

Fifth Year Spring				
Course #	Course Name	Cr.	Where	Notes
Core-Cap	Core- Capstone	3	BU	
ME488	Engineering Design	3	UND	
Tech El.	Approved Tech. Elective- Thermal	3	UND	
Tech El.	Approved Tech. Elective	3	UND	
Tech El.	Approved Tech. Elective	3	UND	

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