

FRESHMAN

Freshman Fall (16 hrs.)			Cr.	Semester/Grade/Course ID	Freshman Spring (16 hrs.)			Cr.	Semester/Grade/Course ID
Common Core Requirements					Common Core Requirements				
BIBL 1013	Introduction to Christian Scripture	3			ENGL 1163	English: Composition & Classical Literature	3		
ENGL 1153	English Composition: Exposition & Argument	3			Supportive Core Requirements				
FNAR 2063 or PHIL 1043	Arts and Western Culture Introduction to Philosophy	3			CHEM 1105	General Chemistry I (L)	5		
MATH 2204	Calculus I	4			Major Requirements				
Major Requirements					BSAD 2013	Technical Systems, Comm, & Proj Mgmt	3		
ENGR 1103	Engineering Innov & Des Prob Solv (L)	3			ENGR 1001	Engineering Ethics	1		
					MATH 2214	Calculus II	4		

SOPHOMORE

Sophomore Fall (16 hrs.)			Cr.	Semester/Grade/Course ID	Sophomore Spring (15 hrs.)			Cr.	Semester/Grade/Course ID
Common Core Requirements					Common Core Requirements				
ENGL 2013	European Civilization: Literature	3			ENGL 2023	Modern West: Literature	3		
HIST 2013	European Civilization: History	3			HIST 2023	Modern West: History	3		
PHYS 2514	University Physics I (L)	4			Supportive Core Requirements				
Major Requirements					PHYS 2524	University Physics II (L)	4		
ENGR 1202	Introduction to Systems Engineering	2			Major Requirements				
MATH 2224	Calculus III	4			CIS 2062	Engineering Graphics and Programming	2		
					ENGR 2313	Electrical Circuits (L)	3		

JUNIOR

Junior Fall (16 hrs.)			Cr.	Semester/Grade/Course ID	Junior Spring (15 hrs.)			Cr.	Semester/Grade/Course ID
Major Requirements					Common Core Requirements				
CIS 3203	Logic Design	3			BIBL 1023	Christian Theology and Ethics	3		
ENGR 2101	Entrepreneurial Mindset	1			Major Requirements				
ENGR 2403	Statics	3			ENGR 2413	Dynamics	3		
ENGR 3303	Control Systems (L)	3			ENGR 2603	Aerodynamics (L)	3		
ENGR 3443	Thermodynamics	3			ENGR 3433	Material Science (L)	3		
MATH 3243	Differential Equations	3			ENGR 3463	Strength of Materials	3		

SENIOR

Senior Fall (16 hrs.)			Cr.	Semester/Grade/Course ID	Senior Spring (15 hrs.)			Cr.	Semester/Grade/Course ID
Major Requirements					Common Core Requirements				
ENGR 3413	Machine Design & Finite Elem Analysis	3			PHED 1001	The Wellness Lifestyle	1		
ENGR 3452	Vibrations	2			Major Requirements				
ENGR 3474	Manufacturing Engineering	4			ENGR 3202 or	Lean Six Sigma Methods	2		
ENGR 4102	Engineering Decision and Risk Analysis	2			ENGR 3902	Co-op Work Experience			
ENGR 4952	Engineering Capstone I (L)	2			ENGR 3483	Industrial Manufact Systems & Analytics	3		
MATH 3503	Computational Statistics	3			ENGR 4413	Robotics and Mechatronics (L)	3		
					ENGR 4524	Thermal Fluid Sciences	4		
					ENGR 4962	Engineering Capstone II (L)	2		