

Spring 2024 – 120 credit hours

P = prerequisite, C = co-requisite, DC = design content

semester 1 15 credit hours	MA 16500* (4) Analytical Geometry & Calculus I P: MA 15400 or MA 15900 with C- or better or placement	CHM 11500* (4) General Chemistry P: 1 yr H.S or CHM 11100 C: MA 15400	ENGR 12700 (4) Engineering Fundamentals I C: MA 16500	ENGL 13100* (3) Elementary Composition P: ENGL 12900 with C- or better or placement		
semester 2 18 credit hours	MA 16600 (4) Analytical Geometry & Calculus II P: MA 16500 with C- or better	PHYS 15200* (5) Mechanics C: MA 16600	ENGR 12800 (4) Engineering Fundamentals II P: ENGR 12700 with C- or better C: MA 16500; COM 11400 or ENGL 13100	COM 11400* (3) Fund of Speech Communication	ME 16000 (2) Solid Modeling P: MA 16500 C: ENGR 12800	
semester 3 17 credit hours	MA 26100 (4) Multivariate Calculus P: MA 16600 with C- or better	MA 35100 (3) Elementary Linear Algebra P: MA 16600 with C- or better	PHYS 25100 (5) Heat, Electricity, and Optics P: PHYS 15200 with C- or better C: MA 26100	ME 25000 (3) Statics P: PHYS 15200 C: MA 26100	CS 22700 (2) Intro to C Programming P: ENGR 12800	
semester 4 15 credit hours	MA 36300 (3) Differential Equations P: MA 26100 with C- or better C: MA 35100	ME 20000 (3) DC Thermodynamics I P: CHM 11500 C: MA 26100	ME 25100 (3) Dynamics P: ME 25000 with a C- or better C: MA 36300	ME 25200 (3) DC Strength of Materials P: ME 25000 with a C- or better	ECE 20100 (3) Linear Circuit Analysis I C: MA 26100	
semester 5 13 credit hours	ME 31800 (3) DC Fluid Mechanics P: ME 20000 & ME 25100 with a C- or better; MA 36300	ME 36100 (3) DC Kinematics and Dynamics Mach P: ME 16000 & ME 25100 with a C- or better; MA 36300	ME 30300 (2) Material Science and Engineering P: CHM 11500 & PHYS 25100 C: ME 25200 (Fall only)	ME 33100 (3) DC Systems Dynamics P: ME 25100 with a C- or better & MA 36300	ME 29300 (2) Measurement and Instrumentation P: COM 11400, ENGL 13100, & ECE 20100	
semester 6 14 credit hours	ME 30100 (3) DC Thermodynamics II P: ME 20000 with a C- or better	ME 30400 (1) Mechanics & Materials Lab P: ME 29300 & ME 30300	ME 31900 (1) Fluid Mechanics Lab P: ME 29300 & ME 31800	ME 32100 (3) DC Heat Transfer C: ME 31800	ME 36900 (3) DC Design of Machine Elements P: ME 36100, ME 25200, & ME 30300 C: ME 30400	ME 33300 (3) DC Automatic Control Systems P: ME 33100 (Spring only)
semester 7 13 credit hours	ME 48700* (3) DC Senior Design I P: ME 32100 & ME 36900 C: ME 32200	ME 32200 (1) Heat Transfer Lab P: ME 29300 & ME 32100 C: ME 31900	Technical Elective (3) Group 1	Technical Elective (3) Group 1	General Education Elective* (3) Category B.5	
semester 8 15 credit hours	ME 48800 (3) DC Senior Design II P: ME 48700	Technical Elective (3) Group 1	Technical Elective (3) Group 1 or 2	General Education Elective* (3) Category B.6	General Education Elective* (3) Category B.7	

*Courses used to fulfill general education requirements require a C- or better.

Engineering & technical elective courses must have a combined minimum GPA of 2.0.

Consult catalog.pfw.edu or pfw.edu/etcs/cme for more information.