Bachelor of Science in Civil Engineering Department of Civil & Mechanical Engineering

PURDUE UNIVERSITY. FORT WAYNE

Fall 2022 - Total of 120 Credit Hours

P = Pre-requisite, C = Co-requisite

1st Semester 15 credits	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: CHM 11100 or 1-year high school chem C: MA 15400	ENGR 12700 (4) Engineering Fundamentals I C: MA 16500	ENGL 13100* (3) Elementary Composition P: ENGL 12900 with Cor better or placement		
2 nd Semester 16 credits	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 Coor better C: MA 16500 & COM 11400 or ENGL 13100	COM 11400* (3) Fund of Speech Communication		
3 rd Semester 18 credits	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 Corr better C: MA 26100	CE 25000 (3) Statics P: PHYS 15200 C: MA 26100	CE 21000 (3) Introduction to Geomatics P: MA 16500 (Summer & Fall only)	
4th Semester 15 credits	MA 36300 (3) Differential Equations P: MA 26100 with C- or better C: MA 35100	CE 25100 (3) Dynamics P: CE 25000 with C- or better C: MA 36300	CE 25200 (3) Strength of Materials P: CE 25000 with C- or better	CE 31500 (3) CE Materials C: CE 25200 (Spring only)	General Education Elective* (3) Category B.5	
5 th Semester 16 credits	CE 31800 (3) Fluid Mechanics P: CE 25100 with C- or better & MA 36300	CE 36500 (3) Environmental Engineering P: CHM 11500 with C- or better (Fall only)	CE 37500 (3) Structural Analysis P: CE 25200 (Fall only)	CE 31600 (1) CE Materials Lab P: CE 31500 (Fall only)	CE 33000 (3) Construction Management P: ENGR 12800 C: CE 21000 & junior standing (Fall only)	General Education Elective* (3) Category B.6
6th Semester 12 credits	CE 31900 (1) Fluid Mechanics Lab P: CE 31800	CE 36600 (1) Environmental Engineering Lab P: CE 36500 (Spring only)	CE 47800 (3) Design of Concrete Structures P: CE 37500 & CE 31500 (Spring only)	CE 34500 (3) Transportation Engineering P: CE 21000 (Spring only)	CE 38000 (3) Soil Mechanics P: CE 25200 C: CE 31800 & 38100 (Spring only)	CE 38100 (1) Soil Mechanics Lab C: CE 38000 (Spring only)
7 th Semester 16 credits	CE 41800 (3) Hydraulics Engineering P: CE 31800 (Fall only)	CE 40100 (1) CE Profession and Practice C: Senior Standing (Fall only)	CE 48700 (3) CE Design Project I P: CE 45000, CE 36500, CE 38000, CE 48100, or CE 47800 & Approval (Fall only)	CE 48100 (3) Foundation Engineering P: CE 38000 & 38100 (Fall only)	Technical Elective (3)	STAT 51100 (3) Statistical Methods P: MA 16600 with C- or higher
8 th Semester 12 credits	Technical Elective (3)	Technical Elective (3)	CE 48800 (3) CE Design Project II P: CE 48700 OR Technical Elective (3)	General Education Elective* (3) Category B.7		

^{*}All courses used to fulfill General Education Requirements require a grade of C- or better. All engineering & technical elective courses must have a combined minimum GPA of 2.0. Consult catalog.pfw.edu and pfw.edu/cme for more information.