## Department of Civil Engineering Stark State College + The University of Akron B.S. Civil Engineering 143 or 145 credits First Yea Fall<sup>%</sup> Spring<sup>3</sup> Summer CHM 141 Principles of Chem 1 (w/lab) **ENG 221 Technical Report Writing Engineering Student Success Seminar** 1 MTH 224 Analytical Geometry w/ Calculus 2 **ENG 124** SOC 225 **College Composition Cultural Diversity** 3 MTH 223 Analytical Geometry w/ Calculus 1 4 Gen Ed: Humanities (TAG) 3 CHM 142 Principles of Chemistry II (w/lab) COM 121 **Effective Speaking** 16 18 Fall<sup>%</sup> Spring" Summer PHY 221 General Physics 1 (w/lab) PHY 222 General Physics 2 (w/lab) MTH 225 Analytical Geometry w/ Calculus 3 4 MTH 227 Differential Equation 3 MET 124 Statics & Strength of Materials 4 Gen Ed: Humanities (TAG) 3 BUS 221 Microeconomics (TAG - Soc Sci) 3 MET 221 **Advanced Materials** 2 **Modeling and Simulation** CST 121 3 Gen Ed: Social Science (TAG) 3 **DET 125** Basic AutoCAD 19 19 Fall Spring Summer 4300:313 Soil Mechanics 4300:306 Theory of Structures 4600:310 Fluid Mechanics 5540:xxx Physical Education 1 Co-op\* 4600:305 Thermal Science 3 4600:203 4300:xxx 4300 class from Spring 4th year [3] 4300:380 Engineering Materials Lab 3470:401 or Prob. & Stats. for Engineers (2 CH) or 3470:461 Applied Statistics (4 CH) 2 or 4 4 [7] 15 or 17 Fourth Year Spring Summer Intro. Environmental Engineering 4300:314 Geotechnical Engineering Co-op\* 4300:361 Transportation Engineering Co-op\* 4300:341 Hydraulic Engineering 4 4300:401 Steel Design 3 4300:323 Water Supply and Pollution Cntrl 3 19 [16] Fifth Year Spring Summer 4300:443 Applied Hydraulics 4400:307 Basic Electrical Engineering 4300:390 4300:490 Senior Design Civil Engineering Seminar Construction Administration Technical Elective 3400:210 Humanities in the W. Trad. 1 or Humanities in the World since 1300 3370:105 Phys. Geology for Engineers 3400:221 4300:403 Reinforced Concrete Design Technical Elective Surveying 4300:230 17 16

## Notes:

- % -- Blue courses (Fall, Spring for First and Second Year) are at Stark State College
- \* -- While co-op is not mandatory, students can graduate with a B.S. Civil Engineering with Co-Op degree upon completion of three co-op semesters.