Bachelor of Science in Environmental Engineering COLLEGE OF ENGINEERING engineering-advising@fau.edu • 561.297.2780 • dessa.fau.edu • cege.fau.edu & COMPUTER SCIENCE **Environmental Engineering Technical Electives:** Florida Atlantic University CWR 4223 Advanced Hydraulic Systems Requirements to Declare an CWR 4307 Storm water Modeling and Management **Environmental Engineering Major** CCE 4031 Construction Project Management Must obtain a minimum grade of "C" and CEG 3011C Soil Mechanics Environmental Environmental CEGE CEGE a GPA of 2.0 or greater in CHM2045/L and MAC1114 SUR 2101/L Fundamentals of Surveying Engineering Engineering Design 1 Design 2 Grade of C or Better Required in all Coursework **Engineering Economics** EGN 4613 4 year & Transfer Students: Technical CGN4803C CGN4804C Technical OCE 3008 Oceanography At least 120 credits (WAC) (3) (WAC) (3) **URP 4403** Sustainable Cities Elective (3) Elective (3) At least 45 credits in the Upper-Division URP 4420 **Environmental Planning Methods** ANT 4463 **Environment and Disease** Transfer Students: PHI 3640 **Environmental Ethics** At least 32 credits from FAU INR 4350 Global Environmental Politics and Policies ECP 4302 **Environmental Economics** Air Pollution Solid & Hazardous Water and Hydrologic ENT 4024 Entrepreneurship Intro to Pollution Environmental and Control Waste & Site Engineering URP 2051 Designing the City Fate and Wastewater Prevention and Any CEGE graduate course offering Systems w/Lab Remediation Treatment CWR4202 Sustainability Transport ENV 4112C (4) ENV 4341 (3) ENV 4072 (3) ENV 4053 (3) ENV4514(3) (3)**Biological Science Elective Options:** BSC 1005/L Life Science & Lab BSC 1010/L Biological Principles & Lab BSC 1011/L Biodiversity & Lab Environmental Thermodynamics Strengths Applied **Earth Science Elective Options:** Science & of Materials EGN 3343 **Hydraulics Environmental Science & Sustainability** EVR 1001 Engineering EGN 3331 (3) CWR 3201C ESC 3704 Environ. Issues in Atmospheric & Earth Sci ENV 3001C (3) Coreq: MAC2313 (3) (3)EVR 2017 **Environment and Society** GEO 2200C Introduction to Physical Geography GLY 3730 Coastal and Marine Science Engineering Chemistry II Physics for Eng II Probability & Calculus w/Analytic Statics Mathematics I Fundamentals of CHM 2046 (3) PHY 2044 (3) Statistical Analysis Geometry III EGN 3311 MAP 3305 (3) Engineering for Engineers MAC 2313 Chemistry II Lab Gen. Physics II Lab (3) Diff. Eq. MAP 2302 (3) EGN 1002 STA 4032 (3) (4)CHM 2046L (1) PHY 2049L (1) (transfer only) (3)General Physics I Chemistry I **Fundamentals** Computer Earth Biological Calculus w/Analytic College Writing PHY 2048 (3) CHM 2045 (3) of AutoCAD Applications in Science Science Geometry II ENC 1102 CGN 2327 Elective Engineering Gen. Physics I Lab Elective MAC 2312 Chemistry I Lab (WAC) (3) (3) EGN 2213 (3) (3) PHY 2048L (1) (3) CHM 2045L (1) (4) Foundations of Calculus w/Analytic Foundations of College Writing Foundations of Foundations of Foundations of Foundations of Society and Society and Geometry I **ENC 1101** Global Citizenship Global Citizenship Humanities Humanities **Human Behavior Human Behavior** MAC 2311 (WAC) (3) (3) (3) (3) (3) (3) (3) (4)This flowchart is reviewed periodically and is subject to change as new requirements LEGEND: ◀ Fall Only **IFP** Requirements become necessary to educate engineers. The information is intended to inform and is Sci & Math Engineering Fund. Courses Core Courses Pre- or Co-Pre-Requisite not a replacement for a degree audit conducted with an academic advisor.