Environmental Engineering Technology Major

Major Course Requirements AY 2021-2023

69-75 Program Credits

Support Group (28-31 cr)
- MATH 171 Calculus I (5 cr) or MATH 161 Technical Calculus I (3 cr)
- MATH 172 Calculus II (4 cr) or MATH 162 Technical Calculus II (3 cr)
- MATH 201 Applied Statistics (3 cr) or MATH 301 Intro Prob & Statistics (3 cr)
- PHYS 171 General Physics I (5 cr) or PHYS 191 General Physics I (5 cr)
- BIO 104 Ecosphere in Crisis (4 cr) or BIO 105 Biological Concepts – Unity (4 cr)
- CHEM 105 General Chemistry I (5 cr)
- CHEM 106 General Chemistry II (5 cr)

Fundamentals Group (26 cr)
- EGR 105 Engineering Fundamentals (3 cr)
- EGR 110 Engineering Graphics (2 cr)
- EGRT 118 Fluid Control (3 cr)
- EGRT 201 Introduction to Air Quality (2 cr)
- EGRT 202 Introduction to Water & Wastewater (3 cr)
- EGRT 203 Introduction to Solid Waste (2 cr)
- BIO 309 Bacteriology (5 cr)
- GEOG 241 Introduction to Geographic Information Systems (3 cr)
- GEOG 304 Principles of Soil Science (3 cr)

Advanced Study Group (15-18 cr)

Required:
- EGRT 360 Project Management (3 cr)

Two or more of the following:
- EGRT 301 Advanced Air Quality (3 cr)
- EGRT 302 Advanced Water & Wastewater (3 cr)
- EGRT 303 Advanced Solid Waste (3 cr)

Two or more of the following:
- EGRT 371 Water Resources Engineering (3 cr)
- EGRT 375 Renewable Energy (3 cr)
- EGRT 377 Industrial Safety and Hygiene (3 cr)
- EGRT 379 Environmental Law (3 cr)
- EGRT 381 Environmental Data Analysis (3 cr)
- GEOL 370 Hydrogeology Field Methods (2 cr)

One or more of the following:
- EGRT 400 Co-op or Internship (1-3 cr)
- EGRT 410 Capstone Project (3 cr)