

Cycle of Courses for Engineering Technology Majors

Electrical Engineering Technology

Offered Every Year

Fall

EGR 105 Engineering Fundamentals (3 cr)
EGR 110 Engineering Graphics (2 cr)
EGRT 130 Basic Electrical Circuits I (4 cr)
EGRT 240 Logic & Control Devices (3 cr)
EGRT 260 Automation Controllers (3 cr)
EGRT 342 Measurement, Control & Data Acq (3 cr)
EGRT 360 Project Management (3 cr)
EGRT 400 Internship (1-3 cr)

Spring

EGR 105 Engineering Fundamentals (3 cr)
EGR 282 Engineering Econ (3 cr) Fox Cities
EGRT 131 Basic Electrical Circuits II (4 cr)
EGRT 232 Semiconductor Devices (3 cr)
EGRT 320 Motors & Drives (4 cr)
EGRT 390 Mechatronics (4 cr)
EGRT 400 Internship (1-3 cr)

Summer

EGRT 257 Introduction to the Internet of Things (3 cr)

Offered Alternate Years (Odd Fall-Even Spring)

Fall 2021, 2023, 2025

EGRT 325 Signals & Systems (3 cr)
EGRT 352 Communication Systems (3 cr)

Spring 2022, 2024, 2026

EGRT 350 Data Communication Protocols (3 cr)

Offered Alternate Years (Even Fall-Odd Spring)

Fall 2022, 2024, 2026

EGRT 333 Linear Circuits (3 cr)

Spring 2023, 2025, 2027

EGRT 246 Electric Power Systems (3 cr)

Environmental Engineering Technology

Offered Every Year

Fall

EGR 105 Engineering Fundamentals (3 cr)
EGR 110 Engineering Graphics (2 cr)
EGRT 360 Project Management (3 cr)
EGRT 400 Internship (1-3 cr)

Spring

EGR 105 Engineering Fundamentals (3 cr)
EGRT 118 Fluid Control (2 cr)
EGR 282 Engineering Econ (3 cr) Fox Cities
EGRT 375 Renewable Energy (3 cr)
EGRT 400 Internship (1-3 cr)

Offered Alternate Years (Odd Fall-Even Spring)

Fall 2021, 2023, 2025

EGRT 201 Intro to Air Quality (2 cr)
EGRT 377 Industrial Safety & Hygiene (3 cr)

Spring 2022, 2024, 2026

EGRT 203 Intro to Solid Waste (2 cr)
EGRT 301 Advanced Air Quality (3 cr)

Offered Alternate Years (Even Fall-Odd Spring)

Fall 2022, 2024, 2026

EGRT 202 Intro to Water & Wastewater (3 cr)
EGRT 303 Advanced Solid Waste (3 cr)

Spring 2023, 2025, 2027

EGRT 302 Advanced Water & Wastewater (3 cr)
EGRT 371 Water Resource Engineering (3 cr)

Mechanical Engineering Technology

Offered Every Year

Fall

EGR 105 Engineering Fundamentals (3 cr)
EGR 110 Engineering Graphics (3 cr)
EGR 202 Engineering Dynamics (3 cr)
EGR 203 Mechanics of Materials (3 cr)
EGRT 130 Basic Electrical Circuits I (4 cr)
EGRT 322 Design Problems (3 cr)
EGRT 342 Measurement, Control & Data Acq (3 cr)
EGRT 360 Project Management (3 cr)
EGRT 400 Internship (1-3 cr)

Spring

EGR 105 Engineering Fundamentals (3 cr)
EGR 201 Engineering Statics (3 cr)
EGR 282 Engineering Econ (3 cr) Fox Cities
EGRT 116 Basic Manufacturing Processes (3 cr)
EGRT 118 Fluid Control (3 cr)
EGRT 207 Parametric Modeling (3 cr)
EGRT 320 Motors & Drives (4 cr)
EGRT 390 Mechatronics (4 cr)
EGRT 400 Internship (1-3 cr)

Offered Alternate Years (Odd Fall-Even Spring)

Fall 2021, 2023, 2025

EGRT 330 Thermodynamics (3 cr)

Spring 2022, 2024, 2026

EGRT 308 Finite Element Analysis (3 cr)
EGRT 335 Heat Transfer (3 cr)

Offered Alternate Years (Even Fall-Odd Spring)

Fall 2022, 2024, 2026

Spring 2023, 2025, 2027

EGRT 221 Machine Components (3 cr)