

Department of Engineering & Engineering Technology (DEET) minors and certificates are open to ALL majors at UW campuses. Courses with a * indicate that prerequisites may be waived for non-majors.

Please contact the department if you have questions on prerequisites and for approval to enroll.

**ENVIRONMENTAL ENGINEERING TECH
MINOR**

Fundamentals Group (12cr)

EGRT 101 Fund of Engineering Technology	(2cr) __
EGRT 118 Fluid Control	(3cr) __
EGRT 201 Intro. to Air Quality	(2cr) __
EGRT 202 Intro. to Water & Wastewater	(3cr) __
EGRT 203 Intro. to Solid Waste	(2cr) __

One of the following: (3cr)

EGRT 301 Advanced Air Quality	(3cr) __
EGRT 302 Advanced Water & Wastewater	(3cr) __
EGRT 303 Advanced Solid Waste	(3cr) __

Two of the following (6cr)

*EGRT 371 Water Resources Engineering	(3cr) __
*EGRT 375 Renewable Energy	(3cr) __
*EGRT 377 Industrial Safety and Hygiene	(3cr) __
*EGRT 381 Environmental Data Analysis	(3cr) __

21 Total Credits

CERTIFICATE IN RENEWABLE ENERGY

Required 10-12 credits

*EGRT 330: Thermodynamics (3cr)	OR
*EGR 263 Engineering Thermodynamics (3cr)	

PLUS 7- 10 Credits

EGRT 360: Project Management	(3cr) __
*EGRT 375: Renewable Energy	(3cr) __
EGRT: Capstone	(1-3cr) __

10-12 Total Credits

CERTIFICATE IN SURFACE WATER RESOURCES

Required 9 credits

EGRT 274: Intro to Surface Water Resources	(3cr) __
EGRT 365: Special Topics*	(3cr) __
EGRT 374/574: Env Field Sampling & Analysis	(3cr) __

**Transferred in from UW Stout or other approved UW water-based field course.*

9 Total Credits

CERTIFICATE IN ENVIRONMENTAL MONITORING

Two of the following (4-5cr)

EGRT 201 Intro. to Air Quality	(2cr) __
EGRT 202 Intro. to Water & Wastewater	(3cr) __
EGRT 203 Intro. to Solid Waste	(2cr) __

Both of the following (4-6cr)

EGRT 374 Environmental Field Analysis	(3cr) __
EGRT 397 Environmental Lab Operations	(1-3cr) __

9-11 Total Credits (9 Credits minimum)

CERTIFICATE IN AUTOMATION

Required 14 credits

EGRT 130 Basic Electrical Circuits I	(4cr) __
EGRT 240 Logic & Control Devices	(3cr) __
*EGRT 260Automation Controllers	(3cr) __
*EGRT 390 Mechatronics	(4cr) __

14 Total Credits

CERTIFICATE IN ELECTRONICS

Required 14 credits

EGRT 130 Basic Electrical Circuits I	(4cr) __
EGRT 131: Basic Electrical Circuits II	(4cr) __
*EGRT 232 Semiconductor Devices	(3cr) __
*EGRT 333 Linear Circuits	(3cr) __

14 Total Credits