

## Energy Management Engineering Technology Concentration

### FRESHMAN YEAR

Fall Semester		16 Credits
MATH 1300	Precalculus .....	4
ENGL 1100	Writing I.....	3
FYE 1022	FYE Seminar .....	3
ENGT 1000	Electrical Systems & Circuits.....	3
	Any PW course .....	3

Spring Semester		16 Credits
MATH 2300	QR course: Calculus I* .....	4
ENGL 1200	Writing II.....	3
CHEM 1300	SI course: General Chemistry.....	3
ENGT 1020	Engineering Graphics.....	3
ENGT 1050	Technical Analysis .....	3

### JUNIOR YEAR

Fall Semester		15 Credits
ENGT 3000	Energy & Sustainable Practices.....	3
ENGT 3025	Engineering Design: Fab. Systems I.....	3
ENGT 3045	Analysis & Design of Structural Systems .....	3
ENGT 3010	Building Design I .....	3
	Any FA course.....	3

Spring Semester		12 Credits
ENGT 3026	Engineering Design: Fab. Systems II.....	3
ENGT 3020	Building Design II .....	3
	Any DP course .....	3
	Any HI course .....	3

#### General Education: Foundation

- 3 credits Reading and Information Literacy (R and IL): First Year Experience
- 3 credits Writing (W): Writing I
- 3 credits Writing and Information Literacy (W and IL): Writing II
- 3 credits Quantitative Reasoning (QR) (MATH)
- 3 credits World Languages, Speaking and Listening (WS)

#### General Education: Exploration

- 3 credits Civic Learning (CV)
- 3 credits Diverse Perspectives (DP)
- 3 credits Ethical Reasoning (ER)
- 3 credits Fine Arts Expression and Analysis (FA)
- 3 credits Historical Inquiry and Analysis (HI)
- 3 credits Literary Inquiry and Analysis (LI)
- 3 credits Personal Wellness (PW)
- 3 credits Procedural and Logical Thinking (PL)
- 3 credits Scientific Inquiry and Analysis (SI)

#### General Education: Integration

- 9 credits AIA (3 of which must be Integrative High Impact Practice - IHIP)
- OR
- Minor (professional majors completing a minor or second major must include at least 9 credits in LA&S disciplines for that minor)

#### General Education: MAJ

- There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.

### SOPHOMORE YEAR

Fall Semester		18 Credits
PHYS 2300	SI Course: General Physics I .....	4
CMGT 2035	Building Construction Systems.....	4
ENGT 2000*	Fluid Mechanics & Thermodynamics .....	4
ENGT 2020	Statics & Dynamics .....	3
ENGT 1040	Software Applications in ET .....	3

Spring Semester		15 Credits
ENGT 2030	Materials Testing & Quality Control.....	3
ENGT 2025	Strength of Materials.....	3
	Any LI course.....	3
	PL Course (ECON 1100 or ECON 1200)*.....	3
	Any WS course .....	3

### SENIOR YEAR

Fall Semester		15 Credits
CMGT 3030	MEP & HVAC Systems .....	3
CMGT 3035	OSHA: Safety & Risk Management.....	3
ENGT 3650	Co-generation and Waste Recycling Systems .....	3
ENGT 4700*	AIA course: Engineering Project Management....	3
ENGT 4xxx*	AIA course: Internship.....	3

Spring Semester		13 Credits
ENGT 4903*	AIA course: Engineering Technology Capstone...	3
ENGT 4140	Seminar in Energy .....	4
	ER course .....	3
	Any CL course.....	3

\* Needs approval from governance.

Suggested 4-year plan of study. Completion of 120 credits required for graduation.