

Energy Management Degree (EGD)

(program pending)

This proposed program will help students gain skills needed to work in energy services industries. Employment opportunities are expected to grow due to increased federal funding in energy management. Courses will focus on a variety of content areas such as solar, photovoltaic, heating and cooling, as well as energy audits and conservation.

Number	Suggested Course Order	Cr	Semester	Grade	Prerequisites/Notes
ENG101	English Composition I	3			ENG100, RDG100, or placement
MAT126	Topics Mathematics <i>or</i> higher	3			MAT096 or placement
NRD104	Renewable Energy Sources	4			ENG100, RDG100, or placement
MET105	Blueprint Reading	3			
	General Elective	3			Electives: Any course (see page 64 for exceptions)
ENG102	English Composition II	3			ENG101
NRD105	Introduction to Energy Management Principles	3			ENG100, RDG100, or placement
NRD106	Energy Efficiency & Conservation Methods	3			ENG100, RDG100, or placement
CIS 127	Computer Technologies	3			Prerequisite: ENG100, RDG100, or placement
EET103	Circuit Analysis I	4			ENG100, RDG100, MAT126, or placement
EGM105	Principles of Photovoltaic Tech & Installation	4			RDG100, MAT096; EET103 or co-requisite
PER126	Health, Fitness, & Wellness Elective	2			MAT092, RDG100, or placement
EGM125	Energy Analysis and Auditing	3			RDG100, MAT096 or co-requisite
EGM120	Cooling Systems	3			RDG100, MAT096, EET103
EGM130	Energy Control Strategies	3			RDG100, MAT096, EET103, EGM120, EGM115
EGM110	Electrical Lighting and Motors	3			RDG100, MAT096; EET103 or co-requisite
EGM115	Heating Systems	3			RDG100, MAT096, EET103, EGM110
	Social Science Elective	3			Electives: ANT, DSI, PSY, SOC, GEO, HIS, POL, ECO, SSC
BIO132	Global Environmental Issues (CapStone)	3			Required after completing all "major" courses.
	Humanities Elective	3			Electives: ART, ASL, ENG, HUM, MUS, PHL, SPA, THE
Total: 62 credits					

See page 111 of the college catalog for program competencies and technical standards.

Campus/format: This program can be completed during the day and evening at the Gardner Campus.

Special requirements: Students must meet technical standards with or without accommodations.

Transfer options: This program is intended for immediate career entry.

Career options: Entry-level employment as energy auditors, photovoltaic technicians, etc.

Earning potential: \$30,000 per year.