

ENERGY TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE (ENRGY D121)

FCC	LTC	OCC	✓ WVC
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The Energy Technology degree will introduce students to a full suite of energy systems and technologies, traditional and renewable, which prepares them for careers in the rapidly expanding field of renewable/reusable energy. Coursework/skill preparation crosses many industries including those in energy (ethanol, biodiesel, electricity distribution, solar, and wind), food processing, chemical processing, biological processing, and associated service industries. Employment settings include ethanol plants, refineries, commodity manufacturing plants, and energy processing and distribution plants.

First Semester **Credit Hours 16**

ENR	1201	Intro to Energy	3
ENR	1202	Introduction to Biofuels	3
ENR	1203	Biofuel Production	V2
PHY	1111	Technical Physics ¹	4
		Math Gen Ed Elective ¹	4

Second Semester **Credit Hours 14**

ENR	1204	Fossil Fuel Technology	3
ENR	1205	Effects of Alternative Fuels	3
ENR	1296	Topics in Energy	V2
ENR	2201	Energy Policies	2
LSC	1105	Environmental Biology ¹	4

Third Semester **Credit Hours 15**

CHM	1120	Introductory Chemistry ¹	5
ENR	2202	Energy Efficiency & Comparison	3
MAN	1211	Industrial Electricity	4
		Humanities Gen Ed Elective ^{1*}	3

Fourth Semester **Credit Hours 15**

ENR	2203	Renewable Fuels	3
GEN	2297	Employment Skills ¹	V2
MAN	1221	Motors/Motor Controls	V4
PTT	2205	P-Tech Quality Control	3
SPE	1101	Fundamentals of Effective Speaking ¹	<u>3</u>

Total Credit Hours **60**

¹General Education Hours (25)
 *Course must satisfy the IECC human diversity requirement.

Recommended Electives:

AGP	1261	Supervised Occupational Experience I	V2
BUS	2104	Business Economics	3
ENR	2204	Alternative Fuel Production II	V2
INM	2210	Occupational Safety (OSHA)	V2
MAN	1202	Industrial Safety	V2