



RENEWABLE ENERGY SPECIALIZATION

Electronics and Advanced Technologies

Associate of Applied Science Degree				
Semester I				Credit
+	CETT	1403	DC Circuits	4
+	MATH	1314	College Algebra	3
+	ELMT	1371	Industrial Safety	3
+	ELMT	2372	Energy Efficient Structures and Assessments	3

				13
Semester II				
+	CETT	1405	AC Circuits	4
+	CETT	1425	Digital Fundamentals	4
	ENGL	1301	English Composition I	3
			Oral Communication Elective ¹	3

				14
Semester III				
+	CETT	1429	Solid State Devices	4
	COSC	1315	Fundamentals of Programming	3
+	PHYS	1401	General College Physics	4
			Humanities/Fine Arts Elective ¹	3

				14
Semester IV				
+	ELMT	2441	Electromechanical Systems	4
+	INTC	2471	Data Acquisition and Measurement	4
			Social/Behavioral Science Elective ¹	3
+	ELMT	2474	Solar Photovoltaics Systems	4
	ELMT	2275	Solar Thermal Systems	2

				17
Semester V				
+	WIND	2359	Wind Power Delivery System	3
+#	ELMT	2473	Electrical, Electronic, and Fluid Schematics	4
+	ELMT	2276	Solar Photovoltaics Installation	2
+	CETT	1445	Microprocessor	4
+	EECT	2188	Internship	1

				14
TOTAL CREDIT HRS.				72

Certificate				
Semester I				Credit
+	CETT	1403	DC Circuits	4
+	MATH	1314	College Algebra	3
	ELMT	2372	Energy Efficient Structures and Assessments	3
	ELMT	1371	Industrial Safety	3

				13
Semester II				
+	CETT	1405	AC Circuits	4
	ELMT	2275	Solar Thermal Systems	2
+	ELMT	2474	Solar Photovoltaics Systems	4
	CNBT	1411	Construction Methods and Materials	4

				14
Semester III				
#	ELMT	2472	Elements of Electrical Power Systems	4
	DFTG	1405	Technical Drafting	4
+	EECT	2188	Internship	1

				9
TOTAL CREDIT HRS.				36

+ Prerequisite: See Course Descriptions

Capstone Course

¹Select from the appropriate section of the General Education Course List