

STEM

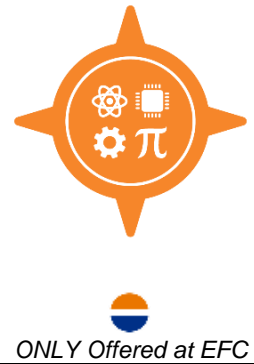
GUIDED PATHWAY: RENEWABLE/SUSTAINABLE ENERGY AAS

For more information, visit www.dcccd.edu/ElectronicsRelated and your academic advisor at Eastfield College.

This is an example course sequence for students interested in pursuing Renewable/Sustainable Energy. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Degree (D) or Technician Certificate in the Renewable/Sustainable Energy program ⁱⁱ. For official degree requirements, [click here](#).

This program is intended to educate a person in the field of solar/wind technology so that they can install a solar or wind system with minimum assistance. The emphasis is hands-on training. The curriculum is designed so that a graduate will be able to work in solar/wind related fields as well as installation technician, fields such as trouble shooting, sales, design, and management. Gainful employment information for this degree can be found at www.dcccd.edu/gainfulemp. Courses that complete the Degree (D) or Technician (T1) certificate are noted below.

Visit www.ntxccc.org/pathways to view guided pathways created for students who complete an AAS degree and the options for transfer. Speak with an academic advisor at Eastfield College to choose courses that will help you to transfer to a specific university.



COLLEGE READINESS REQUIREMENTS

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

READING & WRITING PLACEMENT

MATH PLACEMENT

ENGLISH LANGUAGE PROFICIENCY

TSI READING MET: YES NO
TSI WRITING MET: YES NO

TSI MATH MET: YES NO

ENGLISH PROFICIENCY: YES NO

IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED

DREA / DWRI / DIRW (CIRCLE ONE)

DMAT _____

ESOL _____

OTHER: _____

OTHER: _____

OTHER: _____

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS ⁱⁱⁱ
ALL MAPS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

D	T1	SEMESTER 1	ACTION ITEMS
◆	◆	ELMT 2471 – Alternative Energy Systems	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
◆	◆	CETT 1403 – DC Circuits	
◆		MATH 1314 – College Algebra ^{iv} (core course) OR MATH 1332 – Contemporary Mathematics ^{iv} (core course)	
◆		EECT 1104 – Electronic Soldering OR EECT 1191 – Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	
◆		ENGL 1301 – Composition I ^{iv} (core course)	

TOTAL SEMESTER CREDIT HOURS: 15

D	T1	SEMESTER 2	ACTION ITEMS
◆	◆	CETT 1405 – AC Circuits	<input type="checkbox"/> Meet with your advisor to request an official program of study audit, confirm or update your academic/career path and program of study.
◆		CETT 1425 – Digital Fundamentals	
◆	◆	CETT 1429 – Solid State Devices	
◆		Social/Behavioral Science Elective ^v (core course)	

TOTAL SEMESTER CREDIT HOURS: 15

D	T1	SEMESTER 3	ACTION ITEMS
◆	◆	ELMT 1411 – Solar Fundamentals	<input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search. <input type="checkbox"/> Meet with a faculty or career advisor regarding placement for the Coop course, if needed. <input type="checkbox"/> NOTE: Select MFGT 1406 for the Renewable/Sustainable Energy Technician Certificate.
◆		WIND 2410 – Wind Turbine Materials and Electro-Mechanical Equipment	
◆	◆	MFGT 1406 – Mechanical Principles in Automated Manufacturing (required for certificate, elective for degree) ^{vi}	
◆		SPCH 1311 – Introduction to Speech Communication OR SPCH 1315 – Public Speaking (both core courses)	

TOTAL SEMESTER CREDIT HOURS: 15

D	T1	SEMESTER 4	ACTION ITEMS
◆	◆	ELMT 1402 – Solar Photovoltaic Systems	<input type="checkbox"/> Apply for Graduation <input type="checkbox"/> Meet with your advisor to apply for the Renewable/Sustainable Energy Technician AAS and Renewable/Sustainable Energy Technician Certificate.. <input type="checkbox"/> Sign up for commencement. <input type="checkbox"/> Join the Alumni Network!
◆	◆	CETT 1441 – Solid State Circuits OR CETT 2480 – Cooperative Education-Computer Engineering Technology/Technician	
◆		Humanities/Fine Arts Elective ^v (core course)	
◆		Technical Elective+	

TOTAL SEMESTER CREDIT HOURS: 15

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS

ⁱ Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

ⁱⁱ Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven DCCCD colleges awarding the degree.

ⁱⁱⁱ This is not an official degree plan. For official degree requirements, [click here](#).

^{iv} You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course.

^v There are several options to fulfill this requirement. See your academic advisor for a specific list.

^{vi} Technical elective must be selected from the following: CPMT 1403, ELPT 2419, CETT 1407, CETT 2481, MFGT 1404, MFGT 1406, MFGT 2459, EECT 1491

THIS PATHWAY WAS LAST UPDATED ON AUGUST 5, 2019