STEM

GUIDED PATHWAY: RENEWABLE/SUSTAINABLE ENERGY TECHNICIAN CERTIFICATE

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 Technician Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Technician Certificate [ii] in the Renewable/Sustainable Energy program. For official certificate requirements, click here.

This certificate is intended to make a person employable as an Entry-Level Solar Installer or Entry-Level Residential Wind Turbine Installer with a minimum amount of time spent in training. The emphasis is hands-on training with theory also presented. The courses contained in the certificate can be applied toward the AAS degree in renewable energy. These courses are designed to allow graduates to sit for entry-level national installer certifications. Courses that complete the Technician (T1) Certificate are noted below.

Students pursuing this certificate are waived from the Texas Success Initiative (TSI) standards, but must meet course prerequisites, as long as the student completes the TSI waiver form prior to enrollment.

ONLY Offered at EFC

THIS PATHWAY WAS LAST UPDATED ON AUGUST 5, 2019

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

T1	SEMESTER 1	ACTION ITEMS
♦	**ELMT 2471** – Alternative Energy Systems	☐ Meet with your advisor to confirm academic and career goals before the end of the semester. ☐ Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
♦	**CETT 1403** – DC Circuits	
♦	**MFGT 1406** – Mechanical Principles in Automated Manufacturing	
TOTAL SEMESTER CREDIT HOURS: 12		
T1	**SEMESTER 2**	**ACTION ITEMS**
♦	**CETT 1405** – AC Circuits	☐ Meet with your advisor to request an official program of study audit, confirm or update your academic/career path and program of study.
♦	**CETT 1429** – Solid State Devices	
♦	**ELMT 1411** – Solar Fundamentals	
TOTAL SEMESTER CREDIT HOURS: 12		
T1	**SEMESTER 3**	**ACTION ITEMS**
♦	**CETT 1441** – Solid State Circuits	☐ Meet with a career advisor or coach for assistance in preparing for job search. ☐ Meet with your advisor to apply for the Renewable/Sustainable Energy Technician Certificate.
♦	**ELMT 1402** – Solar Photovoltaic Systems	
TOTAL SEMESTER CREDIT HOURS: 8		

CERTIFICATE MINIMUM: 32 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 32 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 required for graduation through instruction by one of the seven DCCCD colleges awarding the certificate.

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

Dallas County Community College District