

WIND ENERGY TECHNICIAN

PROGRAM DETAILS

At TSTC, your training includes conducting efficiency studies and managing personnel, materials and machines in factories, offices and production sites. You will also prepare machinery and equipment layouts, perform turbine construction and maintenance, and analyze production costs. Through our hands-on program, you'll be qualified to operate and maintain the systems that make a wind turbine function.



Wind Energy Technician Pathway

Course	Course Name	Credit Hours
CETT 1303	DC Circuits	3
WIND 1300	Introduction to Wind Energy	3
CETT 1305	AC Circuits	3
CETT 1325	Digital Fundamentals	3

Wind Energy Technician Certificate I

Course	Course Name	Credit Hours
CETT 1303	DC Circuits	3
TECM 1303	Technical Calculations	3
WIND 1300	Introduction to Wind Energy	3
WIND 1302	Wind Safety	3
ELMT 1305	Basic Fluid Power	3
CETT 1305	AC Circuits	3
CETT 1325	Digital Fundamentals	3
WIND 2310	Wind Turbine Materials and Electro-Mechanical Equipment	3
ENER 2325	SCADA and Networking	3
ELMT 1301	Programmable Logic Controllers	3
INMT 1317	Industrial Automation	3
WIND 2359	Wind Power Delivery Systems	3

Renewable Energy Program of Study

The Renewable Energy program of study helps CTE learners discover to assemble, inspect, maintain, and repair different equipment required for renewable energy. It introduces students to solar photovoltaic equipment and wind turbines, the systems and processes used to maintain and manage these types of equipment, and helps students develop the skills needed to do so.

TSTC AWARDS	Median Wage
Dual Enrollment Pathway	\$16/Hour
Certificate I	\$16-\$18/Hour
Associate Degree	\$22-\$29/Hour

CAREER OPPORTUNITIES



As a wind energy technician, your job is to install, repair, troubleshoot and maintain wind turbines. Learning how these machines work is a powerful skill that is important to businesses that use these machines to harness the power of the wind.

At TSTC, your training includes conducting efficiency studies and managing personnel, materials and machines in factories, offices and production sites. You will also prepare machinery and equipment layouts, perform turbine construction and maintenance, and analyze production costs. Through our hands-on program, you'll be qualified to operate and maintain the systems that make a wind turbine function.

Wind Energy Technician Course Information (PEIMS)

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1303 DC Circuits/ AC/DC Electronics	13036800 (1 credit)	Principles of Applied Engineering	None
WIND 1300 Introduction to Wind Energy/ Energy and Natural Resources Technology	13001100 (1 credits)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1305 AC Circuits/ Solid State Electronics	13036900 (1 credit)	AC/DC Electronics	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
CETT 1325 Digital Fundamentals/ Digital Electronics	13037600 (1 credits)	Algebra I and AFNR courses	None