

# Associate in Applied Science (A.A.S.)

## WIND ENERGY TECHNOLOGY

The **Associate in Applied Science in Wind Energy Technology** provides instruction and practical application of a variety of technical concepts and practices, including industry recognized maintenance practices in electrical, pneumatic, hydraulic and mechanical systems, computer control, data acquisition and periodic and predictive maintenance program usages.

11-7-22



Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

FIRST YEAR: FALL SEMESTER			
COMMENTS	COURSE	Credit Hours	Significance
	ENL 101 – English Composition I OR	3	
	ENL 115 – Technical Communications	(3)	
	ELM 121 – Fundamentals of Hydraulics & Pneumatics	4	
	WTT 110 - Wind Safety and OSHA	4	
	WTT 120 – DC/AC Circuits	4	
	TOTAL	15	
FIRST YEAR: SPRING SEMESTER			
	COURSE	Credit Hours	Significance
	ELM 217 – Industrial Maintenance Fundamentals	3	
	MTH 117 – Math for Technicians	4	
	WTT 150 – Industrial Motor Controls	4	
	WTT 160 – Power Generation and Transmission	4	
	TOTAL	15	
SECOND YEAR: FALL SEMESTER			
	COURSE	Credit Hours	Significance
	CIS 114 – Intro to Computer Applications & Concepts	3	
	ELM 210 – PLC Fundamentals	3	
	ELM 218 – Maintenance Applications	3	
	WTT 211 – Wind Turbine Troubleshooting I	4	
	SSC 147 – Understanding Human Diversity	3	
	TOTAL	16	
SECOND YEAR: SPRING SEMESTER			
	COURSE	Credit Hours	Significance
	WTT 230 – Supervisory Control and Data Acquisition	4	
	WTT 261 – Wind Turbine Troubleshooting II	4	
	WTT 278 Wind Technology Internship II OR	3	
	ELM 276 – Electromechanical Capstone	(3)	
	Natural Science Elective*	3	
	TOTAL	14	
	<b>TOTAL HOURS FOR DEGREE</b>	<b>60</b>	

Eastern West Virginia Community and Technical College is an EOE, ADA, AA institution.

**15 to FINISH**  
WEST VIRGINIA  
To graduate on time, students need to maintain an average of 15 credit hours per semester.

**+ENL 101, ENL 115 and MTH 117 may require corequisite coursework.**



### LANDMARK COURSES

are the key to graduation and completing your degree on time. They should be taken in the order suggested in the Academic Map.



### INTERNSHIPS

are a structured work experience related to a student's major and/or career goal that should enhance a student's academic, career, and personal development.



### CAPSTONE COURSES

are offered in the student's final semester. It is a course that ties together the learning objectives that faculty expect the student to have learned during the major.

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**EASTERN**  
West Virginia Community & Technical College

Comments	*Natural Science Electives	Credit Hours
	GSC 120 – Concepts in Environmental Science	3
	GSC 109 + 109L – General Physical Science (and Lab)	4
	GSC 110 + 110L + General Physical Science II (and Lab)	4
	BIO 101 + 101L – General Biology I (and Lab)	4
	BIO 102 + 102L – General Biology II (and Lab)	4
	PHS 115 – Applied Physics	3

Students enrolling in Electromechanical (ELM) and Wind Technology (WTT) courses will be assessed a laboratory fee for classes having a laboratory component. This fee is used to replace expendable materials, and to maintain and upgrade laboratory equipment. See advisor for details.