



Advanced Energy

PROGRAM DESCRIPTION

Advanced Energy Program

The Advanced Energy Program provides students with the skills necessary to enter a career in the Solar Photovoltaic industry. The coursework is designed to provide instruction related to the electrical trades, carpentry and solar system design & installation. Topics covered will include National Electric Code, solar economics, equipment, site assessment, system design and various types of installations, system commissioning and troubleshooting. The course will include lecture and hands on experience with system installation, maintenance and troubleshooting.

Students who successfully complete this program will be able to:

- Perform basic skills in the construction trades.
- Apply understanding of and engage in safety practices essential to the construction trades.
- Perform planning and estimating for trade-based projects that ensure efficiency of project from concept to completion.
- Identify, interpret, and apply the National Electrical Code (NEC) wiring methods that pertain to residential and commercial installations, in order to install electrical systems that are safe and free of hazards.
- Identify types and components of solar systems; their interactions within the installation and utility.
- Perform site assessment, measurement and troubleshooting practices demonstrating an ability to problem solve and think critically as it pertains to solar installations.



ALL-INCLUSIVE PRICING

Hocking College offers all-inclusive pricing and works with students to assure they have complete college funding, including financial aid, before they start classes. All-inclusive pricing includes the following:

PER SEMESTER

\$300.....Learning Fee
\$20.....Health Center Services
\$75.....Career Center Services

OPTIONAL

\$53.....Parking
\$275.....Smart Start*

*Recommended for all first-year college students

Pricing for housing and meal plans can be found at hocking.edu/residence-halls.

DEGREE TRACK

The listed degree track is for students beginning classes in May 2021 who will pursue an Associate of Applied Science in Advanced Energy.

AUTUMN 1				
SCHEDULE	COURSE	COURSE NAME	CREDIT HOURS	COURSE FEE
8 Weeks (1)	CMEL-1100	Electrical Trades	6.00	\$1,360
8 Weeks (2)	CM-1000	Construction Safety OSHA 30	3.00	\$100
8 Weeks (2)	ENGL-1510	English Composition	4.00	\$50
16 Weeks	GS-1010	Pathway to Prosperity	1.00	\$50
			SEMESTER TOTAL	14.00
			IN-STATE TUITION & FEES	\$4,210
			OUT-OF-STATE TUITION & FEES	\$6,465
SPRING 1				
SCHEDULE	COURSE	COURSE NAME	CREDIT HOURS	COURSE FEE
8 Weeks (1)	CMEL-1200	Residential Wiring	6.00	\$710
8 Weeks (1)	COMM-1130	Speech	3.00	\$50
8 Weeks (2)	BIOS-1101	Environmental Science	3.00	\$150
8 Weeks (2)	MATH-1103	Applied Mathematics	3.00	\$150
			SEMESTER TOTAL	15.00
			IN-STATE TUITION & FEES	\$3,710
			OUT-OF-STATE TUITION & FEES	\$5,965
AUTUMN 2				
SCHEDULE	COURSE	COURSE NAME	CREDIT HOURS	COURSE FEE
8 Weeks (1)	AE-2101	Solar Photovoltaic Systems I	4.00	\$410
8 Weeks (1)	AMD-1107	Architecture Design	3.00	\$395
8 Weeks (2)	CMCP-1100	Basic Framing	6.00	\$635
8 Weeks (2)	ERT-1103	Surveying Concepts & Blueprint Reading	3.00	\$800
			SEMESTER TOTAL	16.00
			IN-STATE TUITION & FEES	\$4,890
			OUT-OF-STATE TUITION & FEES	\$7,145
SPRING 2				
SCHEDULE	COURSE	COURSE NAME	CREDIT HOURS	COURSE FEE
8 Weeks (1)	AE-2102	Solar Photovoltaic Systems II	5.00	\$410
8 Weeks (1)	SUPR-2235	Supervision & Leadership	3.00	\$55
8 Weeks (2)	AE-2650	Alternative Energy Capstone	4.00	\$510
8 Weeks (2)	CM-2105	Project Management	3.00	\$150
8 Weeks (2)	CM-2109	Construction Materials Estimating	2.00	\$115
8 Weeks (2)	GS-2010	Pathway to Prosperity II	1.00	\$50
			SEMESTER TOTAL	18.00
			IN-STATE TUITION & FEES	\$3,940
			OUT-OF-STATE TUITION & FEES	\$6,195
			TOTAL CREDIT HOURS	63.00
			TOTAL IN-STATE TUITION & FEES	\$16,750*
			TOTAL OUT-OF-STATE TUITION & FEES	\$25,770*

*All courses and course fees are subject to change. Visit us online to see the most up-to-date curriculum and pricing for this program.

QUESTIONS? CONTACT ME.

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www.hocking.edu/advanced-energy