

## CERTIFICATE IN SOLAR ENERGY

(23 hrs.)

CIP: 03.0101

This certificate provides students with the skills required to design, plan, install and troubleshoot photovoltaic solar electric energy systems. The certificate will also include a foundation in AC and DC electricity, grid tie applications and an introduction to solar thermal systems. Students will acquire skills needed to seek entry- and mid-level positions within the solar industry or apply solar energy skills and knowledge to the green building sector. The certificate prepares students for the North American Board of Certified Energy Practitioners (NABCEP) certification exam.

### CORE REQUIREMENTS (23 HRS.)

- ENVR 112 Introduction to Sustainable Energy Technologies (3)
- ENVR 113 Instrumentation and Controls Lab (3)
- ENVR 122 Energy Efficiency and Management (3)
- ENVR 114 Electrical and Mechanical Fundamentals (4)
- ENVR 221 Design and Installation of Photovoltaic Systems I (3)
- ENVR 222 Design and Installation of Photovoltaic Systems II (3)
- ENVR 225 Design and Installation of Solar Hot Water Systems (3)
- ENVR 227 Introduction to the National Electrical Code (1)

Note: See “College Success Course Requirement” on Page 8.

TOTAL 23 CREDITS