

CLOUD COUNTY COMMUNITY COLLEGE RENEWABLE ENERGY SOLAR ENERGY ASSOCIATE OF APPLIED SCIENCE DEGREE



**START
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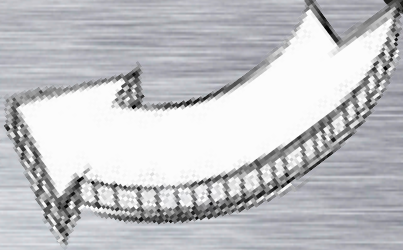
**High School
Diploma
or GED**

**One-year Solar Energy
Certification or
Two-year Associate
of Applied Science
degree. Can also
obtain industry
recognized NABCEP
solar energy Associate
Certificate.**

**Entry level
Solar Technical
\$15-18/hour
\$34,000/year**

**Solar Crew Lead/
Solar Project
Designer
\$25+/hour
\$48,000/year**

**Two-year AAS Degree
NABCEP Installation
Professional Certification
Requirements:
40 hours advanced training
Minimum of three solar
installs
OSHA Construction 10 or
30hr Card**



**Owner of your own
Solar Installation
Company
\$60,000-75,000/year**

**Obtain a NABCEP Technical
Sales Certificate**



Solar Energy Pathway

Associate of Applied Science Degree

Suggested Course Pathway Outline

1st Year – Solar Energy Technology Certificate is Earned / Take NABCEP Associate Exam at Completion

First Semester

SE 100 Introduction to Solar PV	3 hours
SE 101 Solar PV Fundamentals	3 hours
WE 110 Electrical Theory	3 hours
WE 250 Data Acquisition & Communications	3 hours
MA 110 Intermediate Algebra	3 hours
WE/SE Elective Credit	3 hours
Total	18 hours

Second Semester

SE 102 Solar PV Design	3 hours
SE 103 Solar PV Operations & Maintenance	3 hours
WE 105 Employability Skills, Safety, Blueprint Reading	3 hours
CM101 English Composition I	3 hours
WE 210 Electronics	3 hours
Total	15 hours
Certificate Total	33 hours

(Summer Internship in Solar -Optional)

2nd Year – AAS Degree is Earned/Qualify for NABCEP Installer Professional Exam at Completion

Third Semester

SE 201 Advanced PV Design	3 hours
SE 202 Advanced PV Installation	3 hours
HU #### Humanities Elective	3 hours
SC 109 Applied Physics	3 hours
SC 107 Meteorology w/Lab (suggested)	4 hours
Total	16 hours

Fourth Semester

SE203 Solar PV System Commissioning	3 hours
SE204 Solar PV Advanced O&M	3 hours
SS #### Elective (EC 101 suggested)	3 hours
SE/WE Elective	3 hours
SE/WE Elective	3 hours
Total	15 hours
Degree Total	64 hours

(NABCEP is the North American Board of Certified Energy Practitioners. This is the industry recognized certification testing that companies use to qualify employees and find prospective qualified employees.)



CLOUD COUNTY

Community College

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