



# Construction Certificate - Solar Installers

The Solar Installers Certificate Program is designed to quickly prepare students for jobs installing solar panels in the solar industry. Our focus is to blend the academic rigor of the classroom with the hands-on training that entry-level solar installers need to be successful in the industry. The certificate is a fast-paced blend of our introductory course for the construction industry, OSHA 10-Hour Safety Certificate, and two courses in solar photovoltaics that culminate with national certification exam preparation and job placement assistance.

**Total Units: 11**

## First Year

### Semester 1

**8 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>CONST 102</b> <sup>Z</sup> Introduction to Construction Practices	4		F, S
<b>CONST 103</b> <sup>Z</sup> OSHA 10 Hour Safety Training	1		F, S
<b>CONST 143</b> <sup>Z</sup> Solar Photovoltaic Systems	3		Check Class Schedule for offering

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

### Semester 2

**3 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>CONST 145</b> <sup>Z</sup> Advanced Solar Photovoltaic Systems	3	CONST 143	Check Class Schedule for offering

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (P) = partially online

## Career

### Options/Outlook:

Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules. May perform minor electrical work, such as current checks.

### A sample of reported job titles:

Installer, Photovoltaic Installer (PV Installer), PV Design & Installation Technician, Solar Design/Installer, Solar Installer Technician, Solar Photovoltaic Installer, Solar Technician

### Projected job openings in California (2020-2030):

1,290

### Projected growth in California (2020-2030):

62% growth

### Median Salary in California (2021):

\$47,670/yr

## Source:

<https://www.onetonline.org/link/summary/47-2231.00>

## Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs](#) page of the college website.

Catalog Year: 2023-2024  
Published May 15, 2023

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