

Solar Technician Certificate in Applied Science

Mission Statement:

Graduates of the Construction Engineering Technology Solar Certificate will be prepared with the technical skills necessary to enter careers with solar companies, contractors, and engineering firms. Graduates will have gained knowledge in the building, operation, and maintenance of solar systems and will be equipped with the ability to participate in solar construction activities. Students will be prepared for the fundamental knowledge requirement for the North American Board of Energy Practitioners Entry Level Exam.

Entrance Requirements:

Acceptable placement test score(s), plus high school diploma or GED

Type of Program:

Day

Employment Opportunities:

With the changing economy and emphasis on renewable energy systems, employment is expected to grow in solar installation and sales companies, utility companies, city, county, and state governments, as well as engineering, construction, electrical and plumbing companies incorporating solar.

- This program provides students with the skills to work as a solar technician. The skill sets included in this training match the outcomes for NABCEP (North American Board of Certified Energy Practitioners) and should qualify the students to take and pass the NABCEP Entry Level Exam. This status will qualify students to become employed in the Solar Industry and further their skills while being employed and strive to become a NABCEP Certified Installer. The advanced solar classes will be offered as demand indicates the need to provide students with a broader knowledge for accomplishing NABCEP Installer Certification (PV and Thermal). Students could augment this certificate with general education courses and courses from other programs and earn a General Technology associate degree.

Recommended Program Schedule

First Semester - Fall

SOL	101	Solar Building Fundamentals	3.0
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Second Semester - Spring

SOL	120	Basic Solar Energy Technology	3.0
ENG	165	Professional Communications*	3.0

Third Semester - Summer

SOL	201	Solar Photovoltaic Systems	4.0
SOL	202	Solar Thermal Systems	4.0

Fourth Semester - Fall

SOL	220	Solar Photovoltaic Design and Installation	4.0
SOL	230	Solar Thermal Design And Installation	4.0

Total Required Credit Hours: 25.0

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.