

# SOLARTECH, CERTIFICATE OF COMPLETION

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The SolarTech Certificate of Completion is designed for students who desire to develop the skills needed to work in a number of solar photovoltaic disciplines. The two courses in the Program are designed to fit into a 18-week, 50-hour period. The Program is an excellent way to gain initial employment in these fields primarily as a solar panel installer, including wireless monitoring systems; and, to a significant extent, logistics, sales, marketing and maintenance & operations.

Course ID	Title	Units/ Hours
ENSC M901	Introduction to Photovoltaics (PV)	32
ENSC M903	OSHA 10 Construction Safety	17.5
<b>Total Hours</b>		<b>49.5</b>

## Year 1

Fall Semester		Units/Hours
ENSC M901	Introduction to Photovoltaics (PV)	32
ENSC M903	OSHA 10 Construction Safety	17.5
<b>Units/Hours</b>		<b>49.5</b>
<b>Total Units/Hours</b>		<b>49.5</b>

Upon successful completion of this program, students will be able to:

- use construction tools safely and efficiently.
- demonstrate knowledge of PV System components and PV systems.
- design a grid-tied PV system that offsets 75% of a customer's residential energy bill.
- describe the steps of installing a residential grid-tied PV system.
- calculate a cash flow analysis, including tax credits and other incentives, that projects payback on a PV system investment.
- demonstrate understanding of the impact on the environment of grid-tied photovoltaic systems.