



# Solar Energy Certificate

**Program:** Engineering

**Program Code:**

SO

**Academic Area:**

Science, Technology, Engineering and Mathematics

**Type:**

Certificate of Recognition

**CIP Code:**

15.1703

## Program Statement

This certificate is designed to help individuals understand the fastest growing form of power generation in the world - solar power. Students will learn about design requirements, installation guidelines, materials, and resources of green energy systems. Key concepts include the basics of electrical circuits, sustainable practices, and conservation measures. Students will also be trained in energy assessment, auditing and efficiency. Upon completion of this certificate, graduates will be prepared to work in entry-level positions in energy-related fields.

## Program Information

Graduates will qualify to take the North American Board of Certified Energy Practitioners (NABCEP) PV Entry Level exam

Enter or enhance your educational experience by going "green" in real estate, construction, management, architecture, or engineering

## After Bristol

Be prepared to play an essential part in the planning, organizing, and managing of renewable energy projects nationwide.

## Program Requirements

Course #	Title	Credits
EGR 102	Introduction to Sustainable and Green Energy Technologies	3
EGR 131	Introduction to Electrical Circuits	4
EGR 183	Energy Efficiency and Conservation Measures	3
EGR 284	Solar Power	4



## Recommended Course Sequence - Semester 1

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
EGR 102	Introduction to Sustainable and Green Energy Technologies	3
EGR 131	Introduction to Electrical Circuits	4
EGR 183	Energy Efficiency and Conservation Measures	3

## Recommended Course Sequence - Semester 2

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
EGR 284	Solar Power	4
	<b>Total credits:</b>	<b>14</b>