

## PROGRAM OF STUDY

### Residential Solar Certificate Certificate of Achievement

The Residential Solar Certificate is developed to prepare the students for careers in the field of renewable energy, focusing on solar energy technology. Graduates will be prepared for careers in design, installation, and repairing solar energy systems. Graduates will also be prepared to work with architects and engineers who consult, design, and guide solar installations, solar thermal, and battery storage projects.

### Career Opportunities in

Graduates will be prepared to work with Architects and Engineers who design and install solar power, solar heating, and similar projects. 1. Solar Technician 2. Solar Installation coordinator 3. Solar Electrical Inspector

#### Core Courses

ESYS 001	Introduction to the Power Industry	3
ESYS 002	Electricity and Electrical Theory	3
ESYS 004	Industrial Calculations	3
ACT 024	Roofing Applications	2
ESYS 011A	Module 1 Residential Solar Surveying and Planning	1
ESYS 011B	Module 2 Residential Solar Surveying and Planning	1
ESYS 011C	Module 3 Residential Solar Surveying and Planning	1
ESYS 011D	Solar Site Planning Project	1
ESYS 011E	Introduction to Energy Storage	1
ESYS 012A	Module 1 Residential Solar Installation	2
ESYS 012B	Module 2 Residential Solar Installation	2
ESYS 012C	Module 3 Residential Solar Installation	0.5
ESYS 033	Residential House Electrical Wiring	3
ESYS 095A	Energy Systems Technology Work Experience	1

---

#### Total Units

**24.5**

PID 308