

Solar Technician, CAS

Academic Year 2026-2027

Program Description:

The Solar Technician Program introduces students to the solar industry and prepares them for entry-level Solar Technician positions. Topics include solar energy generation, safety and hazard recognition; including OSHA 30 certification, site assessment, installation, maintenance and troubleshooting, interpreting data for solar efficiency determination, forklift operation, and first-aid /CPR.

Career Outlook and Salary Forecast:

For the most current information please refer to the Bureau of Labor Statistics “Occupational Outlook Handbook” found at www.bls.gov/ooh/.

Program Outcomes:

- Describe the importance of safety and hazard recognition on a solar installation
- Describe the photovoltaic process
- Identify appropriate grid-tied PV systems and array configurations based on user loads, customer expectations, and site conditions
- List the main steps for installing photovoltaic systems
- Utilize resources and strategies for troubleshooting PV system issues
- Interpret data for solar efficiency determination
- Safely operate a forklift
- Provide first-aid and CPR

Contact Information:

Jenna Vanhoose
Room 403
Phone: 304-710-3414
Email: parker54@mctc.edu

Mountwest empowers students to learn and lead in the community and in the workforce.

Solar Technician Major Code CS80

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| Name: | ID Number 942- |
| Educational Counselor: | |
| Faculty Advisor: | |

COURSES REQUIRED

| COURSE | REQUIREMENTS | SEM | HRS | GR | SUBSTITUTE/REPEAT CRS | SEM | CR |
|--|---|-----|-----|----|-----------------------|-----|----|
| COM 125 | Interpersonal Communications | | 3 | | | | |
| MAT 135 | Technical Math | | 3 | | | | |
| SOL 101 | Solar Photovoltaics | | 5 | | | | |
| SOL 102 | Solar Photovoltaics Installation and Inspection | | 3 | | | | |
| SOL 103 | Solar Photovoltaics Maintenance/Troubleshooting | | 3 | | | | |
| OSHA 130 | OSHA 30 | | 2 | | | | |
| EME 101 | First-Aid/CPR | | 1 | | | | |
| FORK 101 | Forklift Operation | | 1 | | | | |
| CNST 101 | Introduction to Construction | | 3 | | | | |
| TS 2xx | On-The-Job Training | | 6 | | | | |
| HOURS REQUIRED FOR GRADUATION: 30 | | | | | | | |