

**SOLAR PHOTOVOLTAIC
SYSTEM DESIGN**

X600400

600 HOURS

<i>State Course Erwin Class</i>	<i>Hours</i>	<i>State Course Number</i>	<i>OCP</i>
Solar Photovoltaic Design Installation and Maintenance Helper	150	EEV0205	A
A1 – Software Applications	20	A6	
A2 – Mathematics Knowledge & Skills	20	A5	
A3 – Employability & Entrepreneurship Skills	25	A7	
A4 – CAD – Photovoltaic Design	25	A7	
A5 – PV Markets & Applications	40	A3, A4, B12	
A6 – Safety Basics	20	A1, A8	
Solar Photovoltaic Design, Installation and Maintenance Technician	450	EEV0206	B
B1 – Electricity Basics	75	A8, B12	
B2 – Solar Energy Fundamentals	50	A6, B10	
B3 – PV Module Fundamentals	50	A5	
B4 – System Components	50	A2, A6, B11, B17	
B5 – PV System Sizing Principles	50	B9, B11	
B6 – PV System Electrical Design	75	B11, B13, B14, B19, B20	
B7 – PV System Mechanical Design	50	A8, B11, B13, B18, B20	
B8 – Performance Analysis, Maintenance and Troubleshooting	50	B15, B16	