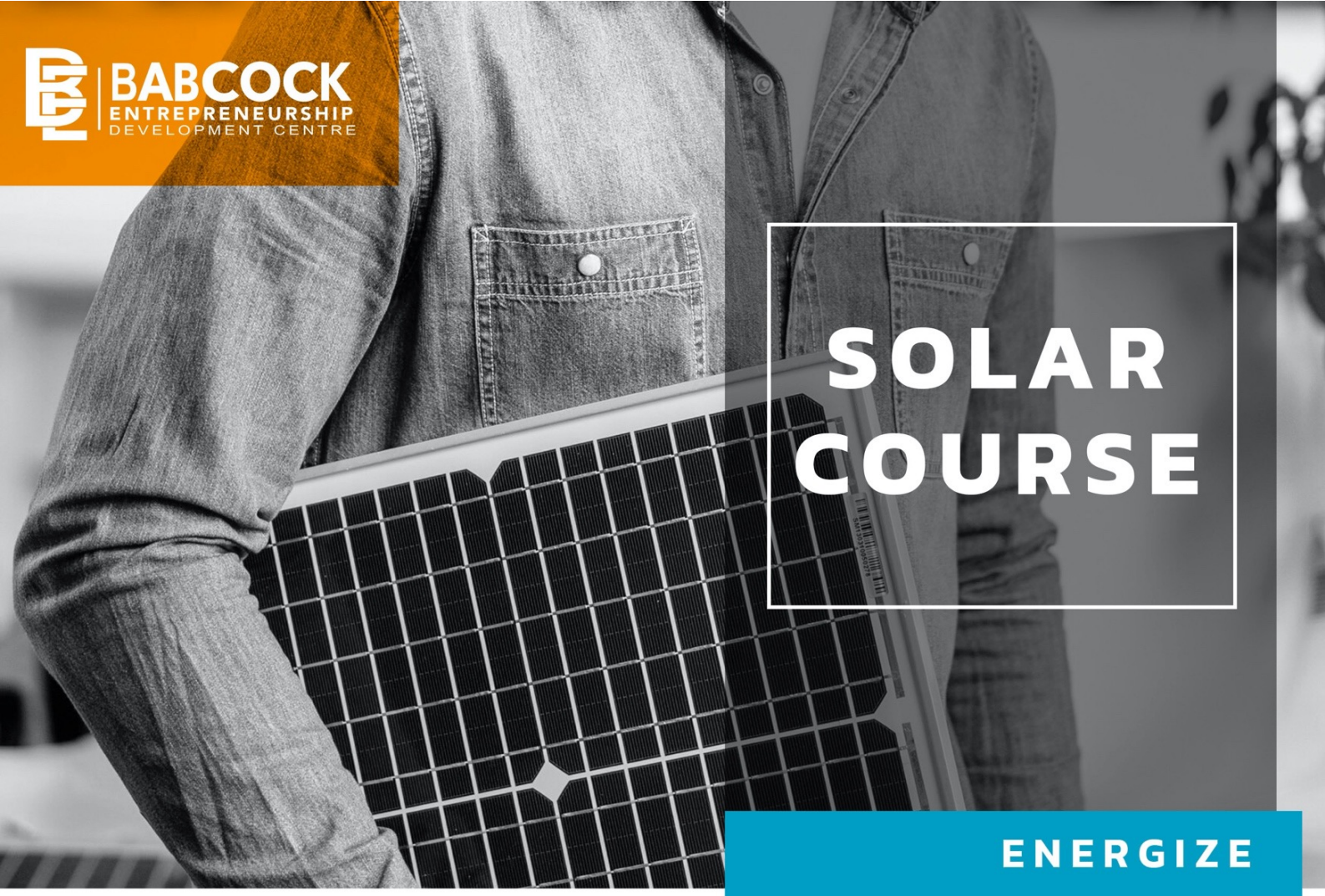
BABCOCK ENTREPRENEURSHIP DEVELOPMENT CENTRE



SOLAR COURSE

COURSE OVERVIEW

The courses cover fundamental electrical concepts, emphasizing safety according to NFPA70-E standards. Participants gain essential mathematical skills for electricians and learn about distribution boards, their components, and safety protocols. Practical instruction on using a multimeter is provided.

The curriculum progresses to cover electrical devices and tools, lockout/tagout procedures, introduction to electrical circuits, and the interpretation of schematics and drawings. The solar-focused modules begin with an introduction to solar basics, followed by an exploration of PV foundations and solar cell technology.

Participants delve into solar module design and solar inverter technology, gaining insights into site assessment, electrical commissioning, and grounding and bonding practices. Mechanical commissioning is also covered to ensure a holistic understanding of solar energy systems.

ENERGIZE YOUR FUTURE WITH SOLAR

The solar industry is growing at a record pace, and demand for qualified technicians has never been greater. Interplay uses expert-led videos, in-depth courses and 3D/VR simulations to get you job ready in weeks.

Interplay Solar Courses offers a comprehensive and progressive learning experience, covering fundamental electrical concepts to specialized solar energy applications. Participants emerge with a thorough understanding of solar technology, from design and installation to troubleshooting, positioning them for success in the solar energy industry..

REGISTER NOW

Interplay Learning | AFRICA

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COURSE DETAILS

ENERGIZE YOUR FUTURE WITH SOLAR

COURSE TITLE	COURSE CODE	TOTAL COURSE TIME	VIDEO	VR SIM	KNOWLEDGE COMPETENCE	NATE HOURS
INTRODUCTION TO ELECTRICAL						
Fundamental Electrical Concepts	ELEC101	01:58:44	00:56:44	0	01:02:00	2
Electrical Safety (NFPA70-E)	ELEC251	02:10:41	00:56:41	0	01:14:00	2
Math for Electricians	ELEC114	01:03:27	00:17:27	0	00:46:00	1
Distribution Boards: Components and Safety	ELEC102	01:31:48	00:43:48	0	00:48:00	2
How to Use a Multimeter	ELEC113	01:53:49	00:26:56	00:37:53	00:49:00	2
Electrical Devices	ELEC111	00:49:45	00:11:45	0	00:38:00	1
Electrical Tools	ELEC106	00:51:07	00:16:07	0	00:35:00	1
Lockout/Tagout	ELEC112	00:34:13	00:09:13	0	00:25:00	1
Introduction to Electrical Circuits	ELEC109	02:04:44	00:54:44	0	01:10:00	2
Reading Schematics and Drawings	ELEC115	00:38:48	00:08:48	0	00:30:00	1
SOLAR						
FundSolar Basics	SOL101	01:10:18	00:48:18	0	00:22:00	2
Foundations of PV	SOL102	01:50:53	01:06:53	0	00:44:00	2
Solar Cell Technology	SOL103	01:17:33	00:46:33	0	00:31:00	2
Solar Module Design	SOL104	00:08:10	00:05:10	0	00:03:00	1
Solar Inverter Technology	SOL105	02:07:30	01:09:30	0	00:58:00	2
Site Assessment	SOL201	02:48:09	01:40:09	01:08:00	0	2
Electrical Commissioning	SOL205	01:30:15	00:29:18	00:30:57	00:30:00	2
Grounding and Bonding	ELEC125	01:42:15	01:06:15	0	00:36:00	2
Mechanical Commissioning	SOL204	02:51:38	01:21:45	01:09:53	00:20:00	3
Solar Electrical Installation	SOL203	06:20:57	02:15:52	02:49:05	01:16:00	4
Array Assembly Installation	SOL202	02:44:57	00:57:31	00:54:26	00:53:00	3
The IV Curve	SOL106	01:57:46	01:15:46	0	00:42:00	2
Solar System Troubleshooting	SOL250	01:56:12	01:01:12	0	00:55:00	2

TOTAL COURSE HOURS

43 HOURS