Solar Technician Certificate

This certificate targets those who wish to enter the job market prepared to design and install state of the art solar energy systems. Students will prepare to sit for the North American Board of Certified Energy Practitioners (NABCEP), Entry Level Solar Thermal and Entry Level Solar Photovoltaic (PV) Installer exams. Additionally the program will provide opportunities for the participants to gain necessary field experience for full NABCEP Solar Thermal and PV Installer Certification.

(Major Code 4470; State CIP Code 15.0505)

- Solar Technology (http://www.jccc.edu/solar-technology)

First Semester

ELTE 122	National Electrical Code I	4
ELTE 125	Residential Wiring Methods*	4
ELTE 123	Electromechanical Systems	4
EPRM 142	Solar Thermal Systems	3
Total Hours		15

Second Semester

Technical Elective (see list below)		3
CET 105	Construction Methods	3
EPRM 252	Solar Electric Systems*	3
EPRM 256	Solar Electric Systems Lab*	1
ELTE 210	Code Certification Review*	3
CET 150	Construction Safety	3
or INDT 125	Industrial Safety/OSHA 30	
INDT 155	Workplace Skills	1
Total Hours		17

Technical Electives

BUS 140	Principles of Supervision	3
BUS 145	Small Business Management	3
CPCA 128	PC Applications: MS Office	3
CET 150	Construction Safety	3
ELEC 120	Introduction to Electronics	3
ELEC 131	Introduction to Sensors and Actuators	3
ELEC 133	Programmable Controllers	3
ENTR 142	Fast Trac Business Plan	3
EPRM 120	Introduction to Residential Energy	3
INDT 125	Industrial Safety/OSHA 30	3

Total Program Hours: 32