AREA: Sustainability and Green Construction

PURPOSE: This career studies certificate (CSC) provides instruction in sustainable building materials, construction methods, and design along with instruction in solar energy usage especially photovoltaic grid direct systems. Successful students completing this curriculum will be prepared to take both the L.E.E.D (Leadership in Energy and Environmental Design) entry level certification test and the NABCEP (North American Board of Certified Energy Practitioners) entry level certification test. This CSC, along with the two certifications, will give students a substantial edge when applying for jobs with architectural firms, engineering firms, and construction companies involved with green building design and construction. This CSC is ideally suited for students who have previous technical skills/degrees and want to update their education or are currently in a degree program and want to have additional knowledge and certification to target the green jobs market.

OCCUPATIONAL OBJECTIVES:
Engineering Technician, Engineers Aide, Civil Engineering Technician, Energy Technician, Solar Systems Installer or any occupation that has a new green/sustainable focus including technical sales and project management.

PROGRAM REQUIREMENTS:

Course#	Title	Credits
MTH 115	Technical Math I	3
ARC 130	Materials and Methods of Construction	3
CIV 295	Sustainable Building and Site Design	3
CIV 295B	Solar Energy Fundamentals	3
CIV 295C	Solar Energy Installations	2
CIV 295D	Solar Energy Installation Lab	1
	Approved Technical Elective	1-3
	Total	**16-18**

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