

## Energy

### Renewable Energy Solar

TERRY CAMPUS

Spring 2020

*The Renewable Energy Solar program prepares graduates to work as technicians in the renewable energy industry. Students develop energy analysis skills to improve energy efficiency and application of renewable energy solar systems. Students learn solar photovoltaic installation and design and solar thermal applications. They evaluate and recommend energy solutions with greater efficiency and lower environmental impact with the added benefit of energy cost savings. The focus on renewable energy solar is integrated with applied practice related to solar photovoltaic and thermal installation. Students study and work with both grid-tied and stand-alone photovoltaic systems.*

#### PROGRAM SPECIFIC ADVISEMENT STATEMENT

##### Courses - Semester 1

	Credits	Lecture	Lab
<a href="#">SSC 100 - First Year Seminar</a>	1	1	0
<a href="#">NRG 101 - Intro to Energy Management</a>	3	2	2
( <a href="#">MAT 153 - College Math and Statistics</a> OR <a href="#">MAT 261 - Business Calculus I</a> )	4	4	0
<a href="#">DAT 101 - Intro to Data Analytics/Visual</a>	3	2	3
<a href="#">PHY 120 - Energy Physics</a>	3	3	1
<a href="#">ENG 101 - Crit Thinking &amp; Acad Writing</a>	3	3	0

##### Courses - Semester 2

	Credits	Lecture	Lab
<a href="#">ENG 102 - Composition and Research</a>	3	3	0
( <a href="#">EDD 131 - Engineering Graphics/CAD</a> OR <a href="#">AET 164 - Architectural CAD Applications</a> )	3	2	2
<a href="#">NRG 111 - Res/Light Comm Energy Analysis</a>	3	2	2
<a href="#">NRG 154 - Alternative Energy Tech.</a>	3	2	2
( <a href="#">BUS 101 - Introduction to Business</a> OR <a href="#">ENT 101 - Intro to Entrepreneurship</a> )	3	3	0
OR <a href="#">LOM 230 - Project Management</a>	3	2	2
OR <a href="#">CMT 242 - Constr Project Management I</a>	3	2	2

##### Courses - Semester 3

	Credits	Lecture	Lab
<a href="#">ELC 125 - Electrical Circuits I</a>	4	3	3
<a href="#">NRG 201 - Photovoltaic Systems I</a>	4	3	2
<a href="#">NRG 250 - Energy Accting/Invest Analysis</a>	4	3	2
<a href="#">NRG 233 - Lighting Applications</a>	4	3	2
<a href="#">NRG 108 - Safety Basics</a>	1	1	1
<a href="#">NRG 109 - Solar Construction &amp; Safety</a>	1	1	1

##### Courses - Semester 4

	Credits	Lecture	Lab
<a href="#">NRG 202 - Photovoltaic Systems II</a>	4	3	2
<a href="#">NRG 205 - Solar Policy and Financing</a>	3	2	2
<a href="#">SOC 103 - Sustainability and Society</a>	3	3	
<a href="#">NRG 204 - Work Exp:Renwble Energy Solar</a>	3		9

#### Approved Electives

Select one of the five electives to take in the fourth semester.

Group	Courses	Credits	Lecture	Lab
A	<a href="#">COM 111 - Human Communications</a>	3	3	0
A	<a href="#">ECO 111 - Macroeconomics</a>	3	3	0
A	<a href="#">ECO 122 - Microeconomics</a>	3	3	0
A	<a href="#">PSY 100 - Human Relations</a>	3	3	0
A	<a href="#">PSY 121 - General Psychology</a>	3	3	0

*To complete program requirements, you must pass the above courses and earn at least **66 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*