

Associate in Applied Science

SUSTAINABLE ENERGY TECHNOLOGY

Program Information

The Sustainable Energy Technology program prepares students to move directly into the workforce upon graduation. Students will be qualified for entry-level positions in sustainable energy fields such as, wind, photovoltaic solar, biofuels and gasification. Courses provide students with a solid foundation in basic scientific principles as well as mathematics. Students are exposed to the theory, materials and equipment necessary to work in the field.

Upon successfully completing this program, students should be able to:

- communicate effectively in a professional manner;
- demonstrate an understanding of scientific inquiry and application; and
- demonstrate proficiency in the technical aspect of sustainable energy, particularly biofuel production, gasification, photovoltaic solar technology and wind technology.

Transfer of Credits

Although this program is designed for immediate career preparation, some credits may transfer to an associate or bachelor's degree program. Please direct specific questions to a Student Affairs advisor.

* Program Electives include: BUS 102, BUS 103, MAT 231, PHY 102, SET 150, SET 151, SET 160, SET 161, SET 200 and SET 225. Students should consult an academic advisor before selecting their electives.

CREDITS

FIRST SEMESTER

<input type="checkbox"/>	CHM 101	College Chemistry I	4
<input type="checkbox"/>	ENG 101	English Composition I	3
<input type="checkbox"/>	MAT 137	College Algebra	3
<input type="checkbox"/>	PHY 101	Physics I	4
<input type="checkbox"/>	SET 101	Energy, The Environment and Society	<u>5</u>
			17

SECOND SEMESTER

<input type="checkbox"/>	CHM 102	College Chemistry II	4
<input type="checkbox"/>	ENG 102	English Composition II	3
<input type="checkbox"/>	NET 133	Electrical Science	4
<input type="checkbox"/>	SET 210	Wind Energy Technology	<u>3</u>
			14

THIRD SEMESTER

<input type="checkbox"/>	GEO 101	World Regional Geography	3
<input type="checkbox"/>	MAT 201	Statistics	3
<input type="checkbox"/>	SET 220	Photovoltaic Solar Technology	5
<input type="checkbox"/>		Program Elective*	<u>3-5</u>
			14-16

FOURTH SEMESTER

<input type="checkbox"/>	CAD 101	Technical Drawing and CAD	3
<input type="checkbox"/>	SET 230	Biofuels Technology	5
<input type="checkbox"/>	SET 240	Gasification Technology	5
<input type="checkbox"/>		Program Elective*	<u>3-5</u>
			16-18

TOTAL CREDITS: **61-65**

N.J. GENERAL EDUCATION COMPONENT FOR SUSTAINABLE ENERGY TECHNOLOGY

Communication:	ENG 101, ENG 102
Math/Science/Technological Competency:	MAT 137
Social Science:	GEO 101
Humanities:	not required
History:	not required
Cultural/Global Awareness:	not required
Unassigned:	CHM 101, CHM 102, MAT 201