

# Recycling Technology

## Course Description



### **Issues in Sustainability**

*3 Credits*

Same as CCN 160S. This literature-intensive course is intended to expose the student to a variety of essays addressing the balance of economic development with the principles of sustainability and social equity. The student is offered an introduction to sustainability concepts, natural systems/cycles and environmental economics. Natural capitalism and triple bottom line maximization is explored, along with the role of corporations and small businesses in sustainable development. A survey of issues surrounding corporate social responsibility and sustainability-driven innovation will be conducted.

**Prerequisite(s):** None

### **Project Management**

*3 Credits*

Investigation of topics in project management including scope, definition, risk, procurement and the RFP. Management of time, cost, quality, and human resources. Concepts are reinforced with PM software.

**Prerequisite(s):** CSCI 172

### **Intro to Sustainable Energy II**

*3 Credits*

Same as CCS 102. A survey of renewable energy systems and technologies. Addresses physical and technical aspects of wind, solar, geothermal, hydro, tidal, biological, and wave energy systems. Consideration is given to engineering, economic, social, environmental, and political factors that determine implementation and sustainability. Credit not allowed for both NRG 102 and CCS 102.

**Prerequisite(s):** NRGY 101 or consent of instructor

### **Recycling Technology (ANSI)**

*4 Credits*

Same as CCS 102. A survey of renewable energy systems and technologies. Addresses physical and technical aspects of wind, solar, geothermal, hydro, tidal, biological, and wave energy systems. Consideration is given to engineering, economic, social, environmental, and political factors that determine implementation and sustainability. Credit not allowed for both NRG 102 and CCS 102.

**Prerequisite(s):** NRGY 101 or consent of instructor



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### **Alternative Fuels**

*3 Credits*

Identifies alternative fuel sources; explores fuel characteristics; identifies and evaluates the infrastructure required to produce, store, distribute, and use them; discusses emission and conversion efficiencies; assesses social, environmental, and economic impacts.

**Prerequisite(s):** NRGY 101 or M 121



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### Recycling Technology

Certificate of Technical Skills

Student Name:	Student ID:
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Course Number	Course Title	Credits	Semester Completed	Transfer or Waive	Grade
BGEN 106	Issues in Sustainability	3			
ITS 221	Project Management	3			
NRGY 102	Intro to Sustainable Energy II	3			
NRGY 270	Recycling Technology (ANSI)	4			
NRGY 241	Alternative Fuels	3			
	Total Program Credits	16			

### Program Requirements: 16 Minimum Credits

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**Advisor Signature**                      **Date**

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**Student Signature**                      **Date**

