

Sustainability Certificate of Accomplishment - Active

Department: Engineering & Technology

Approval: January 2018

Effective Semester: Fall 2018

The Sustainability Certificate Program is designed for working professionals, business owners, and students working towards a degree who wish to understand and apply sustainability concepts to their existing or future educational pathways and careers.

Learning Outcomes

Upon completion of this program, students will be able to:

- Analyze scientific, political, social, and/or historical evidence underlying environmental and resource issues.
- Compare the pivotal role that energy occupies in modern society and the ongoing tension between sustainability and energy provisioning and management.
- Appraise the science and/or impacts of common and alternative energy sources.
- Evaluate proposed solutions to environmental and resource issues especially for their integration of environmental, economic and/or social goals.
- Apply principles and practices of sustainability to personal lifestyle choices and chosen professions.

The minimum time for completion of this certificate is 2 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

Courses Required for the Certificate of Accomplishment in Sustainability

Course	Units
Required courses:	
SUST 31/BIO 31/GEOG 31 - Introduction to Environmental Science	3.00
ENRG 3 - Introduction to Alternative Energy	3.00
SUST 91 - Applied Research in Sustainability	2.00
Total:	8.00
Choose 6 units from the following elective courses:	
Biology Department:	
BIO 19 - Ecology	4.00
BIO 26 - Habitat Restoration Field Studies	1.00
BIO 21J - Agroecology	1.00
Earth Sciences Department:	
GEOG 1 - Physical Geography	3.00
GEOG 4 - Cultural Geography	3.00
GEOG 7 - Economic Geography	3.00
GEOG 41A - Climate Change	1.00
GEOL 30 - Environmental Geology	3.00
GEOL 30L - Environmental Geology Lab	1.00
Engineering and Technology Department:	
BTEC 5 - Briefings in Biotechnology	1.00
ENRG 3L - Introduction to Alternative Energy Laboratory	1.00
Total:	6.00
Total:	14.00

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