

INTERIOR DESIGN							
Degree:	Required Course:	Course Sustainability Outcome(s)/Objective(s):				Graduates:	
Interior Design, A.A.S.	ITMD 132: Materials and Resources	III. Identify sustainable aspects, environmental impact and manufacturing and construction techniques used in products: A. Identify construction techniques that affect the quality of the materials, B. Identify material sources and availability, C. Explain the sustainability factors and environmental impact of construction of various materials; IV. Comparison and Evaluation of Quality, Design, Use, Durability and Costs of Materials: G. Explain the environmental impact of product use in interior spaces.				22	
Interior Entrepreneurship, A.A.S.	ITMD 132: Materials and Resources	III. Identify sustainable aspects, environmental impact and manufacturing and construction techniques used in products: A. Identify construction techniques that affect the quality of the materials, B. Identify material sources and availability, C. Explain the sustainability factors and environmental impact of construction of various materials; IV. Comparison and Evaluation of Quality, Design, Use, Durability and Costs of Materials: G. Explain the environmental impact of product use in interior spaces.				5	
Interior Merchandising, A.A.S.	ITMD 132: Materials and Resources	III. Identify sustainable aspects, environmental impact and manufacturing and construction techniques used in products: A. Identify construction techniques that affect the quality of the materials, B. Identify material sources and availability, C. Explain the sustainability factors and environmental impact of construction of various materials; IV. Comparison and Evaluation of Quality, Design, Use, Durability and Costs of Materials: G. Explain the environmental impact of product use in interior spaces.				2	
Decorating Certificate	ITMD 132: Materials and Resources	III. Identify sustainable aspects, environmental impact and manufacturing and construction techniques used in products: A. Identify construction techniques that affect the quality of the materials, B. Identify material sources and availability, C. Explain the sustainability factors and environmental impact of construction of various materials; IV. Comparison and Evaluation of Quality, Design, Use, Durability and Costs of Materials: G. Explain the environmental impact of product use in interior spaces.				1	
Interior Design Retail Sales/Manufacturing Rep Certificate	ITMD 132: Materials and Resources	III. Identify sustainable aspects, environmental impact and manufacturing and construction techniques used in products: A. Identify construction techniques that affect the quality of the materials, B. Identify material sources and availability, C. Explain the sustainability factors and environmental impact of construction of various materials; IV. Comparison and Evaluation of Quality, Design, Use, Durability and Costs of Materials: G. Explain the environmental impact of product use in interior spaces.				0	
CONSTRUCTION MANAGEMENT							
Degree:	Required Course:	Course Sustainability Outcome(s)/Objective(s):				Graduates:	

Construction Management Certificate	CET 160: Green Building Fundamentals	1. Identify sustainable practices in building design and construction; 3. Optimize site development factors to lessen environmental impact and improve sustainability features; 4. Incorporate sustainable practices to improve water use efficiency in building operations; 6. Recognize appropriate uses for sources of renewable energy and on-site power generation; 7. Describe strategies for improving the use of building materials through material selection and recycling; 8. Develop strategies for improving a building's indoor environmental quality.	3
Construction Management Technology, A.A.S.	CET 160: Green Building Fundamentals	1. Identify sustainable practices in building design and construction; 3. Optimize site development factors to lessen environmental impact and improve sustainability features; 4. Incorporate sustainable practices to improve water use efficiency in building operations; 6. Recognize appropriate uses for sources of renewable energy and on-site power generation; 7. Describe strategies for improving the use of building materials through material selection and recycling; 8. Develop strategies for improving a building's indoor environmental quality.	6
AND	CET 205: Advanced Construction Methods	VII. Describe Sustainable Construction Materials: A. Define sustainable building product, B. List current common sustainable building products, C. Research new sustainable building products, D. Discuss the necessity of using sustainable building products to ensure a better future for the global community, E. Explain how sustainable building products improve the quality of life, F. Explain how sustainable building products can affect employment opportunities in the building material manufacturing and construction industries.	
AND	CET 229: Advanced Construction Management	I. Earthmoving and Heavy Construction: I. Describe sustainable technologies to minimize construction activity related pollution; II. Concrete Construction Management: D. Discuss sustainable processes in concrete construction and how they pertain to a better outcome for the job and the community; III. Steel Construction Management: D. Discuss sustainable processes in steel construction and how they pertain to a better outcome for the job and the community; IV. Wood Construction Management: D. Discuss sustainable processes in wood construction and how they pertain to a better outcomes for the job and the community; V. Masonry Construction Management: D. Discuss sustainable processes in masonry construction...; VI. Construction Cost Management: F. Discuss construction management practices which minimize construction waste disposal, G. Discuss management plans for maintaining indoor air quality during the construction process; VII. Construction Office Issues: I. Discuss how sustainable practices on the construction job site affect the carbon footprint of projects, J. Discuss how sustainable construction practices will affect the global environment, K. Explain how personal attitudes affect sustainable practices on the job site.	
ENERGY PERFORMANCE & RESOURCE MANAGEMENT			
Degree:	Required Course:	Course Sustainability Outcome(s)/Objective(s):	Graduates:

Energy Performance & Resource Management-Residential Auditing, A.A.S.	HVAC 125: Energy Alternatives	II. Analyze the positive and negative aspects of the various alternate energy technologies; III. Explain the world energy situation; V. Discuss recommended applications of various alternate energy technologies available and should lead the student to apply this technology in real-life situations. See associated competencies here: http://catalog.jccc.edu/spring/coursedescriptions/hvac/#HVAC_125	1
	AND BIOL 130: Environmental Science	I. List the major environmental problems; II. Explain basic science principles which relate to environmental problem solving; III. Describe past and present human population growth in terms of growth curves and demography; IV. Identify factors which influence population growth; V Describe the resources available on the surface of the earth and the alternative ways of using them; VI. Describe the types and causes of pollution; VII. List the components of a sustainable future; VIII. List solutions to population problems under the headings of legal, technological and individual behavioral changes; IX. Describe the impacts of differing ethical economic and political viewpoints on environmental problem solving. See associated competencies here: http://catalog.jccc.edu/spring/coursedescriptions/biol/#BIOL_130	
	AND BIOL 131: Environmental Science Lab	XI: Describe the impact of human consumer decisions and human population growth on the environment: A. List examples of consumer decisions and describe their impact on the environment, B. Compare and contrast human demographics for different world regions.	
SOLAR TECHNOLOGY			
Degree:	Required Course:	Course Sustainability Outcome(s)/Objective(s):	Graduates:
Solar Technologies, A. A.S	HVAC 125: Energy Alternatives	II. Analyze the positive and negative aspects of the various alternate energy technologies; III. Explain the world energy situation; V. Discuss recommended applications of various alternate energy technologies available and should lead the student to apply this technology in real-life situations. See associated competencies here: http://catalog.jccc.edu/spring/coursedescriptions/hvac/#HVAC_125	2
HORTICULTURE			
Degree:	Required Course:	Course Sustainability Outcome(s)/Objective(s):	Graduates:
Sustainable Agriculture Entrepreneurship Certificate	HORT 272 / 274 / 276: Sustainable Agriculture Practicum Fall / Spring / Summer	5. List a range of techniques for soil and crop fertility and health management, including rotations, cover crops, fertilizers and amendments. Additional relevant outcomes can be found here: http://catalog.jccc.edu/spring/coursedescriptions/hort/#HORT_272	3

