

CET Program

ISLOs, PSLOs, CSLOs, Mapping, and Assessment Plan

			Year 1		Year 2		Year 3		Year 4		Year 5		Year 6	
			F 2013	S 2014	F 2014	S 2015	F 2015	S 2016	F 2016	S 2017	F 2017	S 2018	F 2018	S 2019
INSTITUTIONAL STUDENT LEARNING OUTCOMES ISLOs														
ISLO 1	COMMUNICATION													
1A	Read													
1B	Listen													
1C	Write													
1D	Dialogue													
ISLO 2	TECHNOLOGY AND INFORMATION COMPETENCY													
2A	Demonstrate Technical Literacy													
2B	Apply Technology													
2C	Access Information													
2D	Evaluate and Examine Information													
ISLO 3	CRITICAL AND CREATIVE THINKING													
3A	Inquire													
3B	Analyze													
3C	Problem Solve													
3D	Express													
ISLO 4	CITIZENSHIP													
4A	Ethics													
4B	Diversity													
4C	Sustainability/Global Awareness													
4D	Personal Responsibility													
	CET PROGRAM OUTCOMES PSLOs		Related ISLOs		Enter "X" in boxes as appropriate									
PSLO A	Demonstrate a fundamental understanding of the construction and energy industries and identify career pathways and opportunities.		1A-D, 2A-D, 3A-D, 4A, 4C, 4D				X							
PSLO B	Identify code compliant construction.		1A, 2C-D, 3B					X						
PSLO C	Demonstrate safety compliance in the construction and energy industries.		1A, 2A-D, 3A-D,						X					
PSLO D	Utilize fundamental building principles to lay out and construct structures and systems.		2A-D, 3A-D, 4C							X				
PSLO E	Explain the principles of Green Building and prescribe building solutions utilizing emerging technology.		1A-D, 2A-D, 3A-D, 4A, 4C,								X			
Carpentry Certificate- same as PSLOs														
Residential Building Construction A.A. A.S.- same as PSLOs														
Residential Building Construction Certificate- same as PSLOs														

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CET COURSE OUTCOMES CSLOs			Related PSLO											
CET 0001 OSHA Construction					Enter "X" in boxes as appropriate									
CSLO 1	Demonstrate working safely.	C					X							
CET 0003 Basics of Construction and Woodworking					Enter "X" in boxes as appropriate									
CSLO 1	Demonstrate safe handling and application of power hand tools and machinery related to woodworking.	B, D			X	X								
CSLO 2	Describe the construction process.	B, D			X	X								
CET 0005 Intro to Built Environment					Enter "X" in boxes as appropriate									
CSLO 1	Develop in detail a logical construction project process.	B			X									
CSLO 2	Develop the feasibility of a construction project.	B			X									
CET 0007 Bld w Green Const Materials					Enter "X" in boxes as appropriate									
CSLO 1	Construct a solar ready structure utilizing fundamental building principles and materials.	A, E			X				X					
CET 0026 Res House Wiring					Enter "X" in boxes as appropriate									
CSLO 1	Install residential electrical systems to meet code and inspection requirements.	B, D			X		X							
CSLO 2	Demonstrate various methods of installing and connecting wiring in residential applications.	B, D			X		X							
CET 0032 Res Building Codes					Enter "X" in boxes as appropriate									
CSLO 1	Analyze the appropriate building materials and construction methods necessary to comply with the California Building code energy requirements for a residential dwelling.	B			X									
CET 0040 Beg Photovoltaic					Enter "X" in boxes as appropriate									
CSLO 1	Outline and design the components of a grid-tied photovoltaic system.	E							X					
CSLO 2	Evaluate the potential for solar energy at a residential site.	E							X					
CET 0044 Adv Photovoltaic					Enter "X" in boxes as appropriate									
CSLO 1	Design a commercial PV installation.	A, B, D			X	X		X						
CSLO 2	Outline overall PV system construction process from design to commissioning.	A, B, D			X	X		X						
CSLO 3	Identify business opportunities and career pathways.	A, B, D			X	X		X						
CET 0060 Production Cabinetry					Enter "X" in boxes as appropriate									

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CSLO 1	Design and construct a cabinet which incorporates custom grade joinery, case and drawer structure with wood guide system, screw frame structure and tablesaw raised panel door system.	D						X						
CET 0095 Internship in Construction and Energy			Enter "X" in boxes as appropriate											
CSLO 1	Establish on-the-job learning objectives that are related to new or expanded responsibilities or that contribute to current occupational or educational goals.	A			X									
CSLO 2	Evaluate learning experience in writing or by project related to learning objectives.	B				X								
CSLO 3	Through work experience, under the direction of worksite supervisor, perform duties related to learning objectives.	D						X						
CET 0020 Foundations and Framing			Enter "X" in boxes as appropriate											
CSLO 1	Layout form, place, and finish concrete slab on grade and conventional foundations.	B, D				X		X						