

Hawaii Community College
AAS Degree PLO Alignment to GELOs
Machine, Welding and Industrial Mechanics Technologies (6/22/17)

General Education Learning Outcomes (GELOs)

Program Learning Outcomes (PLOs)	Comm.	Critical Reading	Critical Thinking	Information Competency	Technological Literacy	Quantitative Reasoning	Areas of Knowledge	Self and Community	Cultural Diversity	Ethics
1 Demonstrate mechanical reasoning; form perception and spacial relations; numerical reasoning and communication skills as a part of the basic entry-level skills	X		X	X		X	X			
2 Demonstrate the attributes of a good employee; good safety practices; positive work ethics; working collaboratively or independently under supervision; an awareness of hazardous materials and a responsibility for the orderliness and cleanliness of the workplace.	X		X				X	X	X	X
3 Demonstrate eye and hand coordination and dexterity in the proper set-up and use of the basic machine tools and equipment; metalworking equipment; the common welding and cutting processes; industrial mechanics equipment; material handling equipment and related machinery.			X	X	X	X	X			
4 Demonstrate the applications of and the ability to use the common hand tools; layout tools; measuring tools; precision measuring tools; common cutting and forming tools, tools used with the common fasteners and specialty tools, and the common metalworking and mechanic tools.			X			X	X			
5 Demonstrate form perception and spatial relations in the applications of geometric construction; the three common methods of pattern development; industrial practices in framing and structural fabrication; practices in welding joint design and joint preparation and the common machine shop operations and practices.		X	X	X	X	X	X			
6 Demonstrate the skills of a life-long learner; the ability to read blueprints; knowledge of metals and the common materials and supplies; the ability to do the work related math; and the ability to communicate and read technical resources.	X	X	X	X	X	X	X	X	X	X

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Proposed by: (All program faculty)

Darrell Miyashiro


Signature

_____ Date

Approved JAC

Approved by: (Program DC)

Reshala DuPuis


Signature

_____ Date

Approved by: (CTE Dean)


Print Name


Signature

_____ Date

Approved by: (VCAA)

Joni Onishi


Signature

SEP 20 2017
Date