Agricultural Business and Technology Institute
Hartnell College

HARTNELL COLLEGE AGRICULTURAL BUSINESS AND TECHNOLOGY INSTITUTE

Welding Technology Certificate – Required Courses – *Spring 2010*

The Welding Technology Program provides students with entry and advanced-level employment skills in welding and metalworking techniques that are relevant to the needs of local employers and industries.

Job opportunities in this area might include working as a fabricator in numerous agriculture and industrial fabrication shops. Much of the specialized food processing, field harvest and transport equipment for the multi-billion dollar ag industry is designed and built locally. Become part of this dynamic industry by obtaining skills with a high demand and good pay levels.

Course #	Title	Units	SPRING 2010 CLASSES	Date Taken	Grade (when complete)
DRA-64	Industrial Print Reading	2.0			
AIT-169	Hazardous Material and Industrial Safety	1.0			
WLD-52	Sheet Metal Fabrication	2.0			
WLD-53	Welding Fabrication	2.0	X		
WLD-54	Advanced Arc Welding	2.0	X		
WLD-57	Pipe Welding	2.0	X		
WLD-58	Hardfacing and Surfacing	2.0			
WLD-145	Special Projects	2.0			
WLD-150	Basic Welding	2.0	X		
WLD-151	Gas and TIG Welding	2.0	X		
WLD-155	Ornamental Ironwork	2.0	X		
WLD-156	Toolmaking	2.0	X		
ENG-101 * or ESL-101 *	Intermediate Composition and Reading or English for Academic Purposes II	(3.0) (5.0)	X X		
MAT-151**	Technical Mathmetics	(3.0)			
		23-29			
Electives - Select a minimum of 6.0 units from the following					
DRA-50	Introduction to Drafting and Design Technology	3.0	X		
DRA-52	Introduction to AutoCAD	2.0	X		
ELE-57	Instruments and Controls	5.0			
EGN-4	Material Science	3.0	X		
WLD-99	Cooperative Work Experience	1.0-4.0			
WLD-145	Special Project	1.0-2.0			
		6.0			
	Total units for certificate completion	**29-35**			

* Eligibility for Eng-1A fullfills this requirement.
** Eligibility for MAT-123 or completion of any math in which MAT-121 is a prerequisite with a grade of "C" or better or a score of 70% or greater on the mathematics competency exam fulfills this requirement.

AS Degree: Take the General Education required courses 25-31 units
Complete a total of 60 units

Questions?
Please contact the Agricultural Business and Technology Institute at 411 Central Ave. Salinas, CA 93901
Neil Ledford - Program Leader (831) 755-6960 or nledford@hartnell.edu
Cristina Westfall - Administrative Assistant (831) 755-6879 or cwestfall@hartnell.edu
Fax: (831) 759-6045 - Visit us at www.hartnell.edu/agriculture