

**SKILLED TRADES
TOOL HARDENER – AAS 60891**
Delta College – Associate in Applied Science Degree
Catalog Year 2009 - 2010

Apprenticeship Trade Related Instruction Programs

Delta College offers required Trade Related Instruction Programs for apprentices and up-grades in the industrial trades, building trades, and maintenance trades from the tri-county and surrounding areas. Trade Related Instruction Programs are designed with the cooperation of industry and provide the instruction to strengthen the theoretical knowledge in each trade area. The combination of related instruction and on-the-job experience is essential in order to provide a complete program to train skilled personnel for the trades. Courses are offered during the evening only. The scheduling and registration for courses is the responsibility of the Skilled Trades Department; therefore, any inquiry about a particular class should be made directly to them by phoning (989) 686-9476 or 686-9530.

Since many company apprenticeship programs are registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, it is imperative that the registration of these courses be coordinated by the local plant apprenticeship coordinator and the College Skilled Trades Department. All Trade Related Instruction is subject to change per agreement with the participating employer and Delta College. Delta College does not issue a journeyman's card only a completion certificate.

The following program is representative of typical Trade Related Instruction Programs Delta College offers in conjunction with area employers. Employers, however, are not restricted to just these programs and many elect to modify our programs to meet their specific needs. Students desiring more information on Delta's Trade Related Instruction Programs should call the Skilled Trades Program Manager at (989) 686-9530 or 686-9476.

As an apprentice, you may apply your related training towards an Associate in Applied Science. In addition to the degree requirements listed below, the following requirements MUST also be met.

- Successful completion of all courses listed in a specific related training program.
- Successful completion of appropriate supportive study elective courses. Supportive electives are courses taken to fit your individual needs. Prior academic course work may be acceptable. Assistance in selecting electives is available from a Delta College Counselor familiar with technical career programs.
- Receipt of journeyman card or equivalent approved trade experience.

<u>Dept/Cat #</u>	<u>Course Title</u>	<u>Sem/Cr Hrs.</u>
___ SKDR 101	Sketching and Blueprint Reading	4
___ SKDR 111	Drawing II	3
___ SKDR 130	Tool and Die Design	4
___ 1 SKMA 103	Applied Geometry and Trigonometry.	4
___ SKMT 111	Metals	3
___ SKMT 112	Ferrous Heat Treatment	2
___ SKPH 101	Applied Physics	4
___ SKTR 181	Machine Tool I	2
___ SKTR 182	Machine Tool Lab II	3
___ SKWL 103	Introduction to Plasma, Carbon Arc, and Fuel Gas Cutting	3
___ SKWL 104	Introduction to Shielded Metal Arc Welding	3
	SUBTOTAL	35

GENERAL EDUCATION COURSES:

<u>Dept/Cat #</u>	<u>Course Title</u>	<u>Sem/Cr Hrs.</u>
___ ENG ___	Any Approved College Composition I Course AND	3/5
___ ENG ___	Any Approved College Composition II Course OR	
___ ENG 113	Technical Communication	3/5
	OR	
___ OAT 151	Business Communication I AND	(3)
___ OAT 152	Business Communication II	(3)
___ LW ___	Any 2 Credit LW Course	2
	OR	
___ LW ___	Any 1 Credit LW Course AND	(1)
___ LWA ___	Any 1 Credit LWA Course	(1)
___ POL ___	Any Approved American Government Requirement	3/4
# ___	Suggested Electives	<u>9/18</u>

TOTAL CREDITS REQUIRED FOR ASSOCIATE DEGREE 62 / 63

NOTATIONS:

- # SUGGESTED SUPPORTIVE ELECTIVES COURSES: ECONOMICS (ECN); GENERAL MANAGEMENT (MGT); MANUFACTURING & INDUSTRIAL TECHNOLOGY (MIT); MECHANICAL TECHNOLOGY (MT); PSYCHOLOGY (PSY)
1. Prerequisite for SKMA 103 is successful completion of SKMA 097 or MATH LEVEL 4. If you do not have the acceptable prerequisite level, you will be required to successfully complete SKMA 097 ("C" or better). SKMA 097 credits cannot be applied to your program.
 2. File an application for an associate or dual degree and/or certificate with the Registrar's Office at least three months before the end of your final semester of course work. See current catalog for other graduation requirements.
 3. Delta College reserves the right to modify program requirements.
 4. If you plan to pursue an advanced degree, see current catalog for special transfer agreements.
 5. "THE GRADUATION AUDIT WILL BE IN COMPLIANCE WITH THE GUIDELINES IDENTIFIED IN THE COLLEGE CATALOG"