

2010-2011 Requirements for the Associate of Applied Science in General Technology Degree\*  
Welding Option

**Legend**

- U = Class is open to any student even if placed in CP  
 R= Reading level prerequisite required to take this course (or the appropriate placement test score)  
 E= English prerequisite required to take this course (or the appropriate placement test score)  
 M = Math prerequisite required to take this course (or the appropriate placement test score)  
 P = This course has a prerequisite

**College Prep Courses**

*Some of all of the following College Prep courses may be required depending on placement test scores. The grades received in these courses (A<sup>^</sup>, B<sup>^</sup>, C<sup>^</sup>, or D<sup>^</sup>) are not used in calculating the GPA. If an F is received it is used in calculating the GPA. No CP courses count toward a degree.*

- U  CP 01003 College Reading Skills  
 R  CP 01113 Adv Reading Techniques  
 U  CP 02003 College Writing Skills  
 U  CP 04003 Basic Mathematics Skills  
 M  CP 04783 Beginning Algebra

**\*This worksheet is a guide for the Associate of Applied Science in General Technology Degree Plan (2010-2011 catalog.) The Degree Plan in the appropriate catalog should be consulted when considering your course selection.**

**Personal Development**  
Required of all first-time, full-time, degree-seeking students

**General Education Core 15 hrs**

- E  EN 12003 Eng Comp I  
 E  EN 12013 Eng Comp II OR  
 EN 12023 Technical Writing  
 M  MA 14083 Intermediate OR  
 MA 14043 College Algebra  
 P  CS 110033 Computer Fundamentals  
 SP 22063 Human Relations

**Major Requirements 24 hrs**

All students are required to take:

- WE 17001 Oxygen/Acetylene Safety & Orientation  
 WE 17013 Blueprint Reading for Welders  
 WE 17094 SMAW Structural Welding (Partial Joint Penetration)  
 WE 17104 SMAW Structural Welding (Complete Joint Penetration)

Students choose one of the two options noted below:

**Manufacturing**

- WE 17064 Gas Metal Arc Welding  
 WE 17074 Tungsten Inert Gas (TIG)  
 WE 17084 Flux Cored Arc Welding

**Pipe Fabrication**

- WE 17034 Shield Metal Arc Welding (SMAW) Pipe Welding  
 WE 17044 Tungsten Inert Gas (TIG) Pipe Welding  
 WE 17054 Welding Theory

**Division Requirements 12 hrs**

- R  BU 11023 Decision Strategies  
 ES 15003 Industrial Safety Administration  
 BU 21083 New Venture Analysis  
 MK 21043 Customer Service

**Approved Electives 12 hrs**

Approved electives may be chosen from courses with the following prefixes<sup>§</sup>:

AC, BU, EL, ES, IS, ME and MG

- 3-credit hour approved elective \_\_\_\_\_  
 3-credit hour approved elective \_\_\_\_\_  
 3-credit hour approved elective \_\_\_\_\_  
 3-credit hour approved elective \_\_\_\_\_

<sup>§</sup>Elective credit for appropriate experiential learning will also be considered.

**Graduation Information**

- C or above in EN 12003 Eng Comp I  
 C or above in EN 12013 Eng Comp II  
 C or above in Required Math  
 GPA of 2.0 or above  
 Certification/Competency exams as may be required by the department for the purpose of program assessment  
 Submitted application for Graduation to Registrar and paid fee in Business Office  
 The last 15 hours completed at ANC  
 Completed at least 63 hours