



Integrated Metals:
Welding Technology
American Welding Society (AWS) Certified Welder
Certificate Evening Program
Fall 2012 Entry

APPLICATION OPEN AND CLOSE DATES:

- Open date: November 1, 2011 – applicants may begin submitting program applications.
- Close date: Open until filled

Please mail all application materials to:

Mt. Hood Community College
Admissions, Registration, and Records
Integrated Metals AWS - Application
26000 SE Stark Street
Gresham, OR 97030

Applicants will need to obtain an email address if they do not already have one. Mt. Hood Community College's Admissions, Registration and Records office will send all application notification by email. If email is not an option, please contact the MHHS admissions evaluator at 503-491-7256.



Dear Prospective Student:

Thank you for your interest in the Integrated Metals – Welding Technology – American Welding Society (AWS) Certified Welder Certificate program at Mt. Hood Community College. Enclosed are a number of resources that will help explain our program and aid you in applying for admission. They include:

- Program Outline
- Admissions Guidelines and Criteria
- MHCC Student Admission Form
- Application Packet Checklist
- Program Curriculum
- Required Tool List
- Helpful Hints for Success

Sincerely,

Rick Walters
Faculty Adviser
Welding Technology
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Welding Technology
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PROGRAM OUTLINE

DESCRIPTION

The purpose of the AWS Certified Welder Certificate program is to prepare students to become qualified for a welding position in a wide array of manufacturing industries. Successful completers will have an opportunity to complete AWS welder certification test plates and become AWS certified welders in various processes. These certifications can lead to placement at elevated pay scales in the metals, welding and fabrication industries.

TERM PROGRAM BEGINS EACH YEAR

This is a limited-entry program. Students must apply and be accepted into the program to have their major changed to Integrated Metals – American Welding Society (AWS) Certified Welder Certificate. Fall term entry is best. Entry during winter term is based on individual qualifications as determined by welding technology instructors and completion of admission criteria. Program students cannot start spring term.

SCHEDULE OF CLASSES

This program with its 2-credit labs is designed specifically for the individual who requires an AWS Welder Certification in a specific welding process or processes, but cannot attend the day program courses with 4-credit labs. The AWS Certified Welder Certificate program is offered in three terms, and is intended to be taken during evening hours over a one-year period, for the completion of 12 credits. Three consecutive terms typically begin with the fall term. Courses focus primarily on Welding Technology theory and lab.

Note: *The AWS program is also offered as Integrated Metals VESL (Vocational English as a Second Language)/Accelerated Professional Skills Training, and is **restricted-entry by referral only**. Please contact Steven Storla at steven.storla@mhcc.edu or 503-491-7251 for registration in the VESL Welding program.*

Please see the MHCC quarterly schedule of classes on the web for open-entry evening courses in Welding. You may also contact any of the faculty listed on page two of this application.

ADMISSIONS GUIDELINES

Admission of all students is centralized in the Admissions, Registration and Records Office. Admission to the college does not guarantee admission to the Integrated Metals programs. The Admissions Office has the final authority on what constitutes equivalency for all admission criteria and has the sole authority to inform students of their admission status. If you have questions regarding admissions procedures please contact the Admissions Evaluator at 503-491-7256.

DATE OF APPLICATION and PROGRAM OPTIONS

Students may submit applications beginning November 1, 2011. Once applicants have met all program criteria, they are admitted on a first come, first served basis until the program is full. Up to fifteen alternates may be placed onto an alternate list once the program is full.

ADMISSIONS CRITERIA

- 1. COMPLETED INTEGRATED METALS – AWS ADMISSION FORM** – (Please see Application Packet Checklist.)

- 2. SKILLS PROFICIENCY:**

Success in the program requires certain skill levels in reading, writing and math. The minimum skill proficiencies are equal to:

Placement into or completion of:
Reading: Reading 90 or higher
Writing: Writing 80 or higher
Math: Math 10 or higher

You can demonstrate your skill proficiencies by **one** of the following ways:

- The Mt. Hood Community College Placement Test (CPT)**

The CPT is a non-timed skills assessment test given on a walk-in basis. There is no fee to take the CPT, and scores will be available upon completion of the test. For purposes of admission to the Welding Technology – AWS Welder Certificate program, the CPT must be taken at Mt. Hood Community College. Applicants who live more than two hours away can take the test by proctor. Please call Testing Services for more information, 503-491-7678. College Placement Test results will remain valid for two years.

Students who choose to retest in reading, writing or math will need to complete a *Retest Self-Referral Form*, which is available in the Testing Center or Academic Advising and Transfer Center. If CPT scores indicate a student is not ready for the Integrated Metals program, they will be advised to take a course or courses in preparation to begin the program at a later date. Exceptions to the CPT requirement may be made when a program has unfilled positions.

- Prior college coursework**

The CPT may be waived if an applicant has completed RD90, WR80 and MTH10 with a “C” grade or higher or college level coursework with a “C” grade or higher in writing and math. Official transcripts must be submitted to the Admissions, Registration and Records Office. Students who have completed a bachelor’s degree from an accredited school and submit authorized documentation (official transcripts or diploma) will have the CPT waived, and will be considered proficient for admission purposes for this program.



Integrated Metals – AWS Student Admission Form

Admissions, Registration and Records Office, 26000 S.E. Stark Street, Gresham, OR 97030

This form is required as part of the limited/restricted entry application process even if you were or are a student at Mt. Hood Community College (MHCC).

*Providing your social security number (SSN) is voluntary. If you provide it, Mt. Hood Community College (MHCC) will use your SSN for keeping records, doing research, reporting, extending credit, and collecting debts. MHCC will not use your number to make any decision directly affecting you or any other person. Your SSN will not be given to the general public. If you choose not to provide your SSN, you will not be denied any rights as a student. Please refer to the Disclosure Statement listed on the MHCC Web site at www.mhcc.edu/ssn, which describes how your number will be used. Providing your SSN means that you consent to the use of your number in the manner described. It will be necessary for you to provide your SSN if applying for federal financial aid, tax credits and the MHCC Student Installment Note.

Returning Students: MHCC ID Number _____

* Social Security Number _____ - _____ - _____

Name _____
LAST FIRST M.I.

Previous name(s) _____

Address _____ Apt# _____

CITY STATE ZIP

COUNTY (i.e. Multnomah) _____

E-mail _____

MHCC Major Integrated Metals - AWS
(see www.mhcc.edu/programs)

Phone _____ Gender: M F

Racial / Ethnic Information: (Your response is voluntary)
Do you consider yourself to be Hispanic or Latino?
 Yes No

In addition, select one or more of the following racial categories to describe yourself:
 -American Indian or Alaskan Native -Asian
 -African American or Black -White
 - Native Hawaiian or Other Pacific Islander

Date of Birth _____ / _____ / _____

Mother's Maiden Name _____

Residency Status – required for assessing tuition charges.
Will you have lived in Oregon 90 days prior to the 1st day of the term?
 -yes -no AND, check one below:

- Permanent resident of Oregon, CA, ID, WA or NV
- Permanent resident outside of Oregon, CA, ID, WA or NV
- International Student (requires an I-20)
- International Visitor (B, J, H or other non-student Visa)
Please tell us your Visa type: _____

Student Signature _____ Date: _____

Read before submitting: I acknowledge I am legally obligated to pay all charges incurred by registering. Charges may include late fees, reasonable collection costs, attorney fees, and Oregon Department of Revenue charges for the collection of all delinquent debts owed to the college. By not paying all charges at the time they are incurred, I acknowledge that this debt is considered education debt/loan and that the educational debt is non-dischargeable under Section 523 (a) (8) of the US Bankruptcy Code. There is no statute of limitation on the collection of educational debt. To have course tuition/fee charges removed, I must process a drop or withdrawal on MyMHCC or through the Admissions, Registration and Records Office within the refund period.
(Form Updated 10/18/11)

Term Summer Fall Winter Spring
Year _____

Previous college(s) attended

What is your attendance history at MHCC?
 -New Student
 -Attended MHCC more than four terms ago

What is the date (or expected date) of your high school graduation?
 (H)-High School Graduate, Yr _____
 (S)-Still in High School, Yr _____

If GED or Adult High School Diploma, what is the date awarded or expected date?
 (D)-Adult High School Diploma, Yr _____
 (G)-GED, Yr _____

OR
 (N)-Did not complete high school
 Check here if Home Schooled

Name of last high school attended: _____
State: _____

What is the highest level of education / training you have received beyond high school?
 (0)-None
 (1)-Some college, short-term training, private vocational school
 (2)-1-year certificate from a community college
 (3)-2-year degree from a community college
 (4)-Bachelor's degree
 (5)-Master's degree
 (6)-Ph.D. / Professional degree

A person voluntarily becomes a student at MHCC and thereby assumes the obligation of abiding by the standards prescribed in the "Student Code of Conduct" found at www.mhcc.edu/com

Do you plan to earn a degree, certificate or diploma at MHCC?
 (A)-Yes, a 1-year certificate or 2-year degree
 (B)-Yes, High School diploma or GED
 (C)-No, here to take classes
 (D)-Undecided

Select the one main reason for attending MHCC this term.
 (A)-Take classes to transfer to a 4-year college
 (B)-Learn skills to get a job
 (C)-Improve existing job skills
 (D)-Explore career or educational options
 (E)-Take classes to finish High School or GED
 (F)-Improve reading, writing or math skills
 (G)-Learn English
 (H)-Personal interest / enrichment
 (I)-Other

Will you be employed while attending classes this term?
 (F)-Yes, full-time (35+ hours per week)
 (P)-Yes, part-time (Less than 35 hours per week)
 (N)-No, not employed

Check here if you are a U.S. Veteran:
 Yes
"Student Right to Know" information is available at www.mhcc.edu/righttoknow. If you need assistance due to a disability, please contact the Disability Services Office at (503)-491-6923 or at (503)-491-7670 (TDD).

All of the courses in the AWS Certified Welder Certificate program are applicable to the base Integrated Metals Associate of Applied Science Degree program with the exception of the shortened 2-credit lab classes. These shortened lab classes are offered as the evening Welding program. (Please refer to the Integrated Metals degree program for additional admission criteria as well as the Integrated Metals AAS degree and the Welding Technology certificate.)

Students completing the required courses with a grade of “C” or better who have passed AWS practical weld tests in a minimum of one process and position and are able to provide a copy of the AWS certification of such test(s) will be eligible for this certificate.

**PROPOSED CURRICULUM for 2012-2013
INTEGRATED METALS WELDING TECHNOLOGY
AWS CERTIFIED WELDER CERTIFICATE EVENING PROGRAM**

First Quarter (Fall)			Cr
<u>Course #</u>	<u>Section</u>		
IMTL120	02	SMAW (Shielded Metal Arc Welding/ Stick) Theory	2
IMTL121B	01	SMAW (Shielded Metal Arc Welding/Stick) Lab	2
Second Quarter (Winter)			
<u>Course #</u>	<u>Section</u>		
IMTL140	02	GMAW /FCAW (Gas Metal and Flux Cored Arc Welding/Wire Feed) Theory (evenings)	2
IMTL141B	01	GMAW /FCAW (Gas Metal and Flux Cored Arc Welding/Wire Feed) Lab	2
Third Quarter (Spring)			
<u>Course #</u>	<u>Section</u>		
IMTL163B	01	Welding Certification Preparation Lab	2
IMTL124B	01	Blueprint Reading for Welding Applications	2
TOTAL			12

Courses listed here are the proposed curriculum for 2012. The official curriculum will be published in the 2012-2013 College Catalog.

Students in this program are to register for evening Integrated Metals core-classes only.

REQUIRED TOOL LIST

The following tools are required for training. The tools on this list represent a basic job entry requirement, some jobs may require more but few require less. Students should have these tools as soon as possible.

We encourage students to buy quality precision tools that should last a lifetime, anything less may not satisfy accuracy requirements or have a short life expectancy. Our advisory committee strongly suggests students have their own tools and learn to care for them properly.

The prices listed are estimates. To get these prices you may need to shop around. No single source may be able to provide these tools and prices. If you are going to a single source, expect to pay a slightly higher price for some of the items. **CAUTION: We advise that you wait for the first day of class and the instructor's review of the tool list before you buy these items. Check with your instructor before altering brands or making substitutions!**

GTAW (TIG)	\$10.75	Steel-Toed Boots, 8" high (<i>approx. cost</i>)	\$65.00
GTAW (TIG) Kit (For WP-20 Torch) 10 pk. 3/32" pure, 10 pk. 3/32" 2% thoriated, long back cap, 4-3/32" collets, 2-3/32" collet bodies, #6, #7 & #8 nozzles	\$45.00	Carhart Heavy Duty Overall (<i>approx. cost</i>)	\$40.00
4 Stainless Steel Wire Brushes (toothbrush size)	8.00	Work Gloves	\$3.00
Miller Metal Thickness Gauge (for determining gauge metal thickness)	\$3.50	3-Ring Binder, 2-1/2"	\$5.50
Welding Cap	\$5.50--\$7.50	4-1/2" Angle Grinder	\$35.00
Padlock (combination style)	\$4.50	Dozen 4-1/2" Grinding wheels (<i>for steel</i>)	\$30.00
Hammer, 2 lb. Ball Peen	\$10.00	Ear Plugs (box)	\$15.00
Burning Goggles (with #5 lens)	\$8.25	Tool/Helmet Bag	\$9.75
Carrera Auto-Darkening Helmet (black)	\$75.00	MIG Needle Nose Pliers w/side cutter (Multitool or Welper)	\$25.00
Dozen Spare Cover Lenses (<i>for Carrera helmet</i>)	\$12.00	Tape Measure 25'	\$7.50
Leather Welding Jacket (note: size XXL and larger add \$4.00)	47.25	Adjustable Open-End Wrench 10"	\$7.00
12LC Vice-Grip (curved jaw)	\$15.00	Aluminized Hand Pads	\$4.75
11R Vice-Grip (C-clamp style)	\$18.50	Hex Key Set	\$6.00
Slag Hammer	\$7.75	Liquid Paper Correction Pen	\$4.50
Safety Glasses	\$2.00	Leather Welding Gloves (<i>good quality</i>)	\$8.50
Tip Cleaner Sets (WYPO ONLY!!)	\$2.75	Leather Welding Chaps	\$29.00
Single Flint Striker	\$2.25	Soapstone and Holder	\$1.25
Steel Wire Brush (standard size)	\$1.75	Fillet Weld Gauges	\$17.25
		Combination Square	\$16.00

WELDING TOOL LIST TOTAL: \$598.00-\$600.00

*The above items are available at any welding supply store, but are quite specific with regard to style, configuration and quality. Some of the safety clothing is available at department stores or uniform shops. **THE ABOVE COSTS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.** Equipment for WLD116 General Welding and other single classes is not as extensive, is the subject of a separate list and will be covered the first day of class. Please wait for Student orientation the first week and consult with your instructor BEFORE YOU BUY ANY ITEM ON THIS LIST!*

PROGRAM COSTS – All costs may vary. Tuition costs will depend on number of credits per term, based on \$91.75 per credit hour. Books and lab fees may change depending on selected course and section.

HELPFUL HINTS FOR SUCCESS

GOING TO SCHOOL IS LIKE A FULL-TIME JOB!

Some students expect their 12-18 hours of class time per week to feel like a part-time job. When you add the 1-3 hours of homework for each class hour, you end up with the equivalent of a full-time job!

BEING A STUDENT IS HARD WORK

The numerous responsibilities of school, work, family, child care, friends and so on can combine to create 'killer stresses. Scheduling time for relaxation is important.

COLLEGE IS A NEW WORLD

Learning how the college operates is also part of the process of your education. Reading directions, asking questions, allowing plenty of time, and being patient can help you be successful.

STUDY SKILLS

To enhance your success with your coursework, many former students recommend taking a class called Study Skills. The class teaches techniques to assist you in preparing for examinations, taking notes and reading for understanding. Another class that would be very beneficial would be keyboarding. Much of your coursework will involve computers and typing is a critical part of working efficiently.

CHECK OUT FINANCIAL AID

Everyone qualifies for some kind of aid. All students should file the FASFA form as early as possible in planning their enrollment in college programs. Early filing will alleviate delays in financial aid awards as the new school year and term begins. Federal programs include grants, loans, and work-study options. We also offer many kinds of scholarships. Call 503-491-7262 for more details.

EMPLOYMENT OUTLOOK

Many opportunities exist in the manufacturing industries for Certified Welders. Students completing the AWS Certified Welder Certificate are prepared for entry into the manufacturing workforce leading to careers such as:

- Structural steel erection/Iron Worker
- Maintenance and repair welding
- Precision tool and die welding and repair
- Rail car fabrication
- Off-road vehicle fabrication and repair
- Aerospace component welder/fabricator
- Welder/fabricator Small Business owner

Employment Opportunities exist that provide support for industries such as:

- Forest products/paper/lumber
- Aerospace Technologies
- Hydraulic/pneumatic equipment manufacturing
- Bridge and Building construction
- Medical Technologies
- Heavy Industrial Manufacturing