

GAS TUNGSTEN ARC WELDING (GTAW)

FERROUS AND NON-FERROUS

GATEWAYCC.EDU/**WELDING**

[INFORMATION PACKET]



**APPLIED
TECHNOLOGY**



**GATEWAY
COMMUNITY COLLEGE**
A MARICOPA COMMUNITY COLLEGE



MARICOPA
COMMUNITY COLLEGES

The Maricopa County Community College District (MCCCD) is an EEO/AA institution and an equal opportunity employer of protected veterans and individuals with disabilities. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, age, or national origin. A lack of English language skills will not be a barrier to admission and participation in the career and technical education programs of the District.

The Maricopa County Community College District does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. For Title IX/504 concerns, call the following number to reach the appointed coordinator: (480) 731-8499. For additional information, as well as a listing of all coordinators within the Maricopa College system, <http://www.maricopa.edu/non-discrimination>.

For the latest information on programs, graduation rates and other important consumer information, please visit our website at gatewaycc.edu

WELCOME LETTER

Dear Student,

Welcome to the exciting world of Gas Tungsten Arc Welding (GTAW), commonly known as TIG welding! In this program, we will cover everything you need to know to become proficient in this versatile and precise welding process, including safety protocols, preparation techniques, blueprint reading, and certification in both ferrous and non-ferrous metals according to AWS D17.1 standards.

Safety is paramount in any welding environment, and GTAW is no exception. Before you begin any welding activity, it's crucial to familiarize yourself with our safety procedures and protocols. This includes understanding the proper use of personal protective equipment (PPE), such as welding helmets, gloves, and clothing, as well as the importance of ventilation and fire prevention measures.

Next, we will dive into the preparation phase of the welding process. This involves selecting the appropriate materials, cleaning and preparing the workpiece, and setting up your welding equipment. We will also cover the importance of proper fit-up and joint preparation to ensure strong, high-quality welds. In addition to mastering the practical aspects of welding, it's essential to develop your blueprint reading skills. Understanding welding symbols, dimensions, and specifications is crucial for interpreting engineering drawings and ensuring that your welds meet the required standards and specifications.

Finally, as part of this program, you will have the opportunity to become certified in both ferrous and non-ferrous metals according to AWS D17.1 standards. This certification will validate your skills and expertise in GTAW welding and open up new opportunities for career advancement in the welding world.

Throughout this program, our experienced instructors will be there to guide you every step of the way. They will provide hands-on training, expert guidance, and constructive feedback to help you master the GTAW welding process and achieve your certification goals.

I encourage you to approach this program with enthusiasm, dedication, and a willingness to learn. By taking full advantage of the resources and opportunities available to you, you will be well on your way to becoming a skilled and certified GTAW welder.

Once again, welcome to our GTAW welding program. We are excited to embark on this journey with you and support you in achieving your welding goals. If you have questions, please do not hesitate to contact us at 602-238-4350. Thank you for your interest in the GateWay Central City Welding program, and we look forward to your Graduation

Sincerely,

Student Services Team
GateWay Central City
602-238-4350

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PROGRAM OVERVIEW

Program Overview

At GateWay, we take the most direct path to help you land your dream career. With our trade and technical training programs, also known as clock programs, you can earn a certification in your desired field in as little as six months. You will learn by doing and receive hands-on training from industry professionals.

Our knowledgeable instructors and state-of-the-art facilities help ensure you will have the skills you need to save a life, create a style, reduce other's stress, build a shelter, machine future technologies, and so much more.

Welding Gas Tungsten

Working with your hands and learning a trade like welding will never go out of style. If you agree and want to become a member of the welding industry, consider joining our extensive program where future jobs for you might include welder, cutter, solderer, and brazer.

You'll learn the ropes of cutting (OFC Electric cutting processes), as well as Shielded Metal Arc welding (SMAW) processes under the guidance of our experienced instructors. You'll gain the skills required to work with modern industrial welding equipment using advanced welding practices. Covered techniques Gas Tungsten Arc Welding (GTAW) include the use of electric and/or pneumatic handheld tools.

Don't wait. Make it happen and join the Welding program today.

Students at any Maricopa Community College may need to complete courses at more than one of our colleges.

College Website: <http://www.gatewaycc.edu>

Welding Program Website: <https://www.gatewaycc.edu/degrees-certificates/welding>

College Advising: gatewaycc.edu/advising; 602-286-8600; advisor@gatewaycc.edu

PRE-ADMISSION CRITERIA

Information Sessions

For more information on your program of interest, please attend one of the virtual information sessions. Participation in virtual information sessions is required (for some programs) and strongly suggested before enrollment. ***Participation in an information session prior to contacting an Advisor is highly recommended.***

Attend a Virtual Information Session:

Visit <https://www.gatewaycc.edu/virtual-sessions> to register for a virtual information session:

To meet the advisor for the **Welding Gas Tungsten** program use the online scheduling tool listed below:

- Self-schedule an appointment with advisor **Dariyea Hollins**
- <https://maricopa.craniumcafe.com/group/clock-hour-advisors-/scheduler> (Dariyea Hollins dariyea.hollins@gatewaycc.edu)
- Email advising: advisor@gatewaycc.edu
- Or call the Front Desk (602) 392-5401

For a complete listing of Clock Enrollment Steps, visit gatewaycc.edu/enroll/clock-enrollment-steps.

Apply for Program

If you are just starting college or new to Maricopa Community Colleges, or you already have an account and need to complete an application, reapply visit www.gatewaycc.edu and follow the directions below to apply for the program.

- Select “Apply Now” at the top of the page, in the banner.
- New Students click “New Student” and follow prompts
- Prior MCCCDC Students click “Returning Student” and log in. If you cannot remember your MEID and password, click “Forgot your Username?” and/or “Forgot your Password?” for assistance.

Application:

Enter/Verify Current Information	
Primary College of Interest	GateWay Community College
Field of Interest	Applied Technology
Primary Reason for Attending:	Get a Certificate
Select a Plan	Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous (20 Hours Per Week) (CER)
Select Expected Start	Select Academic Year

Please contact Enrollment Services at (602) 286-8200 if assistance is needed.

PRE-ENROLLMENT CRITERIA

Request Enrollment

Using your Maricopa Student Email address, email an enrollment request to:

<mailto:clockenroll@gatewaycc.edu>

In your email, be sure to include:

- Program name and desired start date
- The funding source you intend to use to pay for your classes (self-pay, FAFSA, VA benefits, etc.)

Enrollment is based on eligibility, completed documents, and space in the program.

Financial Aid Eligible Programs

A student's goal of attaining higher education shouldn't be out of reach because of cost. GateWay Community College's Financial Aid Office's goal is to provide resources for students to find the funding needed to help pay for their educational expenses, including tuition, fees, and books.

Apply for Financial Aid (if this is the method you plan to use to pay for your program)

- If applying for Financial Aid; visit the following website: www.fafsa.gov
- Use Gateway school code: E00701 (Clock Hour Programs)
- For Financial Aid assistance please call (602) 286-8117 or email finaid@gatewaycc.edu

Note: Confirm that all of the “To Do” items on MCCC Student Center have been completed and cleared in order to be eligible to be awarded for financial aid.

It is suggested that you are enrolled prior to applying for Financial Aid. Financial Aid can take up to 2-4 weeks to be processed. You will be required to have Financial Aid in place for a minimum of two weeks before your program begins. If your Financial Aid package is not complete you will be required to set up a payment plan until your package is ready. Please see [Payment Options](#) for information on paying for your program.

For additional information, visit <https://www.gatewaycc.edu/pay-college/financial-aid> and/or <https://www.gatewaycc.edu/pay-college/financial-aid/financial-aid-faqs>.

POST-ENROLLMENT CRITERIA

Uniforms and Professional Appearance

- Students are required to wear the GWCC Welding Program Logo blue colored button-down shirt.
 - Students will be provided with the shirts. Other requirements for uniforms will be out-of-pocket costs.
- Safety Boots, composite or steel toe work boots, minimum 6" height must be worn at all times while in the Welding Lab and Outside Cutting/Storage areas.
- Proper welding attire will be long work pants with a short or long-sleeved work shirt worn at all times while in the Welding Lab and Outside Cutting/Storage areas.
- No loose, baggy, or frayed clothing, only properly fitting clothing is to be worn while operating power tools and or rotating machinery. Loose, baggy, or frayed clothing can and will get caught in these types of operations in the Welding Lab and Outside Cutting/Storage areas.
- Students are issued PPE which will be worn at all times while performing welding, cutting, and or grinding operations in the Welding Lab and Outside Cutting/Storage areas.

FINANCIAL INFORMATION

Program Costs *

REQUIRED TUITION AND FEES

PROGRAM TUITION AND FEES	Welding: Gas Tungsten Arc Welding (GTAW) Ferrous and Non-Ferrous
Registration Fee	\$ 15.00
Tuition Clock Hour	\$ 3,600.00
Course Fees	\$ 1,407.00
TOTAL Tuition & Fees	\$ 5,022.00

ADDITIONAL EXPENSES ESTIMATED COST

ADDITIONAL EXPENSES	ESTIMATED COST
Books	\$350.00
Uniform (approx. cost per uniform)	\$35.00+

**Please note that these are only estimates and may change. Additional fees may apply.*

Payment Options

Once you register for your classes, you will need to pay your tuition. There is no single best way to pay your tuition, but knowing your options will help you create a plan that works best for you.

Take action early if you plan to apply for financial aid or need to set up a payment plan. Be sure to monitor your Maricopa student email and Student Center regularly for new payment balances, due dates, and other updates, such as financial aid awards.

Students are responsible for the total program cost, which includes tuition and fees, out-of-pocket expenses, and any additional expenses associated with this program. Each student is expected to secure sufficient financial aid or Agency funding for their tuition and fees, and/or establish a payment plan during their enrollment.

We understand that the process of paying for college involves many steps. Because tuition & fees are due before classes start, we have compiled the following list of payment methods now accepted by the College.

Please Note: You will not be able to obtain your certification until your tuition & fees are paid in full.

For payment options and timeframes, visit <https://bit.ly/GWCCWaysToPay>

Scholarship Information and Alternate Funding Sources

- Visit <https://www.mcccd.org/scholarships/> for more information
- For details regarding scholarship opportunities, please visit <https://www.gatewaycc.edu/scholarships>

What you should know about payment plans:

- This is not a loan program
- No interest or finance charges will be assessed
- No credit check
- Down payment is required
- Divides payments over time period

Contact Student Business Services for details at (602) 238-4347 or (602) 286-8277, as payment plans differ depending on the program.

- 10% down payment due 30 days prior to start date
 - 1 – 6 scheduled payments require 10% down payment plus \$25 enrollment fee*
 - 7 – 12 scheduled payments require 10% down payment plus \$45 enrollment fee*

Payment Plans must be set up online through your Student Center. All payment options require an immediate (same-day) down payment. If you choose to sign-up for the payment plan, please do so before your tuition due date, otherwise, your classes may be dropped.

* Nelnet payment plan enrollment fee is non-refundable

You May Pay Your Tuition & Fees By:

- Automatic Bank Payment (ACH) - This is a pre-approved bank-to-bank transfer of funds from your checking or savings account, processed on the 5th of each month until your balance is paid in full within your enrollment period.
- Credit Card - Monthly payments will be automatically charged to your credit card, processed by American Card Services, Inc. on the 5th of each month until the balance is paid in full within your enrollment period. eCashier registration is available online with this option

Use this link to pay for College gatewaycc.edu/pay-college

Your Financial Account

- For your convenience, you can view your financial account activity in your Student Center located at [Students | Maricopa Community Colleges](#)
- Credit/debit payments can be made online through MCCCCD Student Center, in person at Student Business Services Department, or over the phone at (602) 238-4347 or (602) 286-8277
- Cash/check payment can be made in person at the Student Business Services Department (Check website for hours).

Payment Reminders

If you applied for and received financial aid, please check your student center to determine if you have any To Do List items as this may prolong being Awarded.

- Students unable to secure financial aid prior to their start date will be required to utilize a payment plan or third-party funding source.
- Your seat will not be secured until you have verified funding for your program. Failure to secure your seat by your due date may result in a drop from your program for Non Payment.
- Continued enrollment in the program is contingent upon the ability to secure tuition funding. Students who do not adhere to tuition payment guidelines will be withdrawn from the program.
- Students who are withdrawn prior to the program start date due to failure to comply with tuition payment guidelines will void their seat in class and it will be given to the next student in line who is on the waitlist.

Refund Policy

Students who officially withdraw from classes within the withdrawal deadlines listed below will receive a 100% refund for tuition, course, and registration fees. Deadlines that fall on a weekend or a college holiday will advance to the next college workday except for classes fewer than 10 calendar days in length or as specified by the college. Calendar days include weekdays and weekends. Refer to individual colleges for withdrawal and refund processes. Never attending is not an allowable refund exemption or an excuse of the debt incurred through registration.

Length of Class	Official Withdrawal Deadlines for 100% Refund
1-9 calendar days	Prior to the class start date
10-19 calendar days	1 calendar day including the class start date
20-29 calendar days	2 calendar days including the class start date
30-39 calendar days	3 calendar days including the class start date
40-49 calendar days	4 calendar days including the class start date
50-59 calendar days	5 calendar days including the class start date
60-69 calendar days	6 calendar days including the class start date
70+ calendar days	7 calendar days including the class start date

** Course fees will be refunded only if the student qualifies for a 100% refund. Debts owed to any MCCCDC college must be satisfied before any refunds are paid to the student. Refunds for students receiving federal financial assistance are subject to federal guidelines. Requests for exceptions to the refund policy must be filed within one year from the semester in which the course was taken.*

Visit this webpage for additional information:

<https://www.maricopa.edu/students/tuition-payment-information/student-refunds>

How to Obtain a Refund

When dropping classes, you must officially do so during the refund period to be eligible for a refund. You can do this online using your Online Student Center or in person at your college's Admissions, Records, and Registration office.

Once you have officially dropped from your classes, and if you are eligible for a refund, you must contact Student Business Services at your college to receive your refund.

Student Business Service processes all refunds. All refunds of cash, check, and checking/saving payment plan payments are issued through the Maricopa Student Refund Program (MSRP). No refunds of cash are available. Refunds of credit card payments will be made only to the credit card on which the original payment was processed.

To ensure you receive your refund as quickly as possible, make sure your current address is correct, and update it if necessary in your Student Center in the Personal Information section.

If financial aid was used to pay your tuition, you may receive a refund via your selected refund method for any funds remaining after your tuition, fees, and other charges have been paid.

Click this link for additional information:

<https://www.maricopa.edu/students/tuition-payment-information/student-refunds>

Disability Resources

Students with disabilities who believe that they may need accommodations in a class or program must contact the Disability Resource Center (DRC) at Gateway at (602) 286-8171. The Director of Disability Resources, Learning, & Testing Services is responsible for determining a student's eligibility for services and will notify the faculty in writing of the accommodations requested. During the first class session, faculty members shall announce that students may meet with them during office hours if they need special accommodations for a disability. If you have a question or concern, please contact the DRC.

gatewaycc.edu/disability-resources | email: disability.services@gatewaycc.edu | 602-286-8171

Medical Marijuana Policy

Maricopa Community Colleges prohibit the possession and use of marijuana on all campuses and in all off-campus student activities, including clinical externship and clinical learning experiences in health programs. This policy is dictated by Arizona Revised Statutes § 15-108, which prohibits any person, including a medical marijuana cardholder, from possessing or using marijuana on the campus of any public university, college, community college or post-secondary education institution. Federal legislation prohibits any institution of higher education that receives federal funding from allowing the possession and use of marijuana.

Maricopa Community Colleges receive federal funds through grants and financial aid. Maricopa Community Colleges continue to enforce current policies regarding controlled substances and any student or employee who violates university policy prohibiting the use or possession of illegal drugs on campus or in student activities - including educational externship - will be subject to disciplinary action and criminal prosecution.

Nondiscrimination Policy

The Maricopa County Community College District does not discriminate on the basis of race, religion, color, national origin, sex, handicap/disability, sexual orientation, age, or Vietnam-era/disabled Veteran status in employment or in the application, admission, participation, access, and treatment of persons in instructional or employment programs and activities.

Notice

GateWay Community College reserves the right to change, without notice, any materials, pricing, information, curriculum requirements, and regulations stated in this publication