

NORTHWEST FLORIDA STATE COLLEGE

APPLIED WELDING TECHNOLOGY



Northwest Florida State College • 100 College Blvd. • Niceville FL 32578
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An accredited Equal Access/Equal Opportunity Institution.

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APPLIED WELDING TECHNOLOGIES PROGRAM INFORMATION

The NWFSC Welding program provides you the skills, knowledge, and customized training required to be a journey-level professional welder. The program prepares graduates for immediate entry into the job market and includes six courses which can generally be completed in three semesters (Fall, Spring & Summer terms). **A new cohort of students starts each fall.**

The NWFSC Welding program also offers a pathway to an Associate of Science (AS) degree in Engineering Technology and you may earn nationally recognized certifications from completion of the NCCER (National Center for Construction Education and Research) courses in the program. These certifications include: Shielded Metal Arc Welder, Gas Metal Arc (MIG) Welder, Flux Core Arc Welder, Gas Tungsten Arc (TIG) Welder, and Pipe Welder. Each certificate level is acknowledged by the industry as proof of acquired skills in various forms of welding, cutting, base metal preparation, welding inspection, safety, and metallurgy.

The NWFSC Welding program provides instruction in all common manual welding and cutting processes. Training includes Oxy/Fuel cutting, Plasma cutting and welding with “TIG” (GTAW), “Stick” (SMAW), “MIG” (GMAW), and flux cored wires on regular steel, stainless steel and aluminum plate and various pipe in all positions. This will prepare you for certification tests in specific welding code, such as AWS D1.1 – Structural Welding Code, API 1104 – Welding of Pipelines Code, and ASME Sec IX – Boiler and Pressure Vessel Code.

SCHEDULE

The NWFSC Welding Technology program operations on a full-time day schedule:

Monday-Thursday

8:00am to 4:00pm

***Schedule is subject to change**

STUDENT EVALUATION AND GRADING

Students will be graded based on assessment of their classroom performance, lab performance, attendance, adherence to safety regulations and mastery of employability skills. Failure to maintain acceptable standards in one or more of these areas may affect the student’s ability to continue in the program.

CLASSROOM PERFORMANCE

Classroom performance includes completion of chapter assignments, results on tests and quizzes, participation in class.

LAB PERFORMANCE

Lab performance includes demonstrating proficiency in weld processes, completion of weld training tasks, weld preparation tests, functional welding tests, process quizzes and participating in shop cleanup.

EQUIPMENT TO BE PURCHASED BY STUDENT

FALL	SPRING	SUMMER
Clear Safety Glasses	Fillet Weld Gauges	File- Nicholson half round bastard
Welding Helmet with # 10 shade (no auto darkening)	Welder Pliers or needle nose pliers	Inspection mirror- 1 1/4" round
Welding Gloves- heavy duty gauntlet style	Tig welding gloves	Spacing Wedges
8" Steel Toe Work Boots (leather)	Lineman's Pliers (side cutters)	Hard Hat
Chipping Hammer	Hand Wire Brush- Stainless Steel	Capmount Adaptor (welding hood to hard hat)
Hand Wire Brush	10" Adjustable Wrench	Tig Rig (flex head) with power block
Welding Leathers or Coat	6" Adjustable Wrench	Flowmeter and 20 ft. of gas hose
Welding Cap		Jumbo 1/8 Gas Lens
Tape Measure-25'		1/8 collet
Locking Pliers (vise grip pliers)		Back cap (button) for tig rig
Flash Light		1 box of 1/8-2% Thoriated tungsten
Tool bag		Jumbo gas cup #8
		Stinger-200 Amp electrode holder with 15' of #2 welding cable with Linco male quick disconnect
		Tool Bucket

EMPLOYABILITY SKILLS

Students are graded not only on their successful completion of tasks, but also on their performance of the employability skills listed below. The instructors and members of the welding industry agree that these 14 items are vital aspects of successful employment. The lack of these skills is often the reason workers lose their jobs.

- Reports on time
- Attends school daily
- Follows safety procedures
- Uses authorized equipment and supplies
- Avoids wasting materials and time
- Returns tools usable and in place
- Appropriate attire as required by company policy
- Keeps accurate records
- Works only on training tasks
- Leaves work area clean and in order
- Accepts supervision in a positive manner
- Works cooperatively with others
- Avoids interfering with others
- Stays in authorized areas

SAFETY

Instructors and lab assistants enforce safety regulations at all times and with all students. Violation of safety regulation(s) endangers not only the student ignoring the regulation(s), but others as well. The student will be immediately informed of any safety violation committed in the shop or lab. Students who commit repeated safety violations will be withdrawn from the program.

- **The Shop Safety Agreement:** At the beginning of the program, the student will sign the conduct, safety, and dress code agreement form and return it to the instructor. No student may begin work in any shop or lab until a copy of the Shop Safety Agreement, properly signed and dated, has been submitted to the instructor.
- **Eye Safety:** Personal eye protection is mandatory in the welding lab. Students are required to use proper eye protective equipment at all times in the welding lab.
- **Fire Safety:** Students will receive necessary information regarding the safe handling and use of flammable liquids and gases. Students are required to follow these procedures. Students should report any electrical problems to the instructor. Students should never try to make electrical repairs themselves.
- **Dress Code:** Proper clothing is required for welding safety. Baggy clothing is hazardous in the welding lab and will not be worn. Long hair must be capped and covered. Face piercings must be removed. Steel toed boots are required. The instructor will reserve the right to assess all foot and clothing for welding safety.

TYPICAL PHYSICAL DEMANDS IN WELDING PROFESSION

- **Arm-Hand Steadiness** — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- **Finger Dexterity** — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- **Manual Dexterity** — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, and or manipulate objects.
- **Multi-limb Coordination** — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.
- **Near Vision** — the ability to see details at close range (within a few feet of the observer).
- **Hearing Sensitivity** — the ability to detect or tell the differences between sounds that vary in pitch and loudness.
- **Extent Flexibility** — the ability to bend, stretch, twist, or reach with your body, arms, and/or legs.
- **Stamina** - The ability to exert one's self physically over long periods of time without getting winded or out of breath

COURSE SEQUENCE/COSTS

Semester	Course Number	Course Title	Course Length
FALL	PMT0011	Welder Helper	250
FALL	PMT0012	Welder, Shielded Metal Arc	250
SPRING	PMT0013	Welder, Gas-Metal Arc	125
SPRING	PMT0014	Welder, Flux Cored Arc	100
SPRING	PMT0015	Welder, Gas-Tungsten Arc	175
SUMMER	PMT0016	Welder, Pipe	270

Fall Term

PMT0011 Welder Helper	Approximately	\$ 891.00
PMT 0012 Welder, Shielded Metal Arc	Approximately	\$ 886.00
Textbook: Core Curriculum: Trainee Guide	Approximately	\$ 63.00
Textbook: Welding Level 1 - ISBN-13: 978-0-13-609967-3	Approximately	\$ 87.00
Tools	Approximately	\$ 282.00
APPROXIMATE FALL TOTAL COSTS		\$ 2,209.00

Spring Term

PMT0013 Welder, Gas-Metal Arc	Approximately	\$ 533.00
PMT0014 Welder, Flux Cored Arc	Approximately	\$ 455.00
PMT0015- Welder, Gas-Tungsten Arc	Approximately	\$ 671.00
Textbook: Welding Level 2 - ISBN-13: 978-0-13-609970-3	Approximately	\$ 126.00
Tools	Approximately	\$ 282.00
APPROXIMATE SPRING TOTAL COSTS		\$ 2,067.00

Summer Term

PMT0016- Welder, Pipe	Approximately	\$ 947.00
Textbook: Welding Level 3 - ISBN-13: 978-0-13-213511-5	Approximately	\$ 126.00
Tools	Approximately	\$ 316.00
APPROXIMATE SUMMER TOTAL COSTS		\$ 1,389.00

TOTAL PROGRAM COSTS	Approximately	\$ 5,665.00
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Prices/fees are subject to change.

ADVISING & INFORMATION

Scottie Smith Lead Welding Instructor

E-mail: smiths60@nwfsc.edu

Phone: (850) 729-5224

Office: Building B-109

Brianna Gray, Grant Support Specialist/Administrative Assistant

E-mail: grayb2@nwfsc.edu

Phone: (850) 729-5221

*Please contact Brianna Gray if you have any questions about Admission requirements.

Link for NWFSC Admissions homepage

<http://www.nwfsc.edu/Admissions/>

Link for NWFSC Email User Guide

http://raidernet.nwfsc.edu/FCCSC/student/email/NWFSC_Student_E-mail_user_guide.pdf

*All communication via email will be through the students college email. Please see the above flyer for email instructions.

Link for NWFSC Financial Aid homepage

<http://www.nwfsc.edu/FinancialAid/>

ADMISSION POINT SYSTEM

Applicants for the Welding Technology program must meet the following mandatory requirements to be evaluated for admission. The selection process will be based upon the admission criteria point system. Applicants with the *highest* total number of points based on the information contained in their application file will be finalists for the program beginning in the Fall Semester. Applicants meeting the criteria, but not selected, will be placed on a waiting list. Individuals on the waiting list may be selected if slots become available before the end of the Drop/Add period for the Fall Semester. Students not selected by the end of Drop/Add, must reapply during the next application period for the following year.

MANDATORY REQUIRMENTS OF APPLICANT REVIEW

1. Applicants must complete the Applied Welding Technology Application for Admission.
2. Applicants who have previously attended NWFSC, and have not taken classes within one (1) year of application must complete a readmission process which can be found at <http://www.nwfsc.edu/Admissions/>
3. Applicants must have a high school diploma or GED.
4. Applicants must complete a drug screening.
5. Applicants must submit official high school and official college transcripts. If you already enrolled in classes at NWFSC your transcripts should already be on file.
6. Obtain placement test scores (PERT) or SAT/ACT scores. Test scores cannot be more than two years old.
7. If *accepted* into the program, the TABE test must be completed with a score of 9 in all required areas before completing the Welding certificate.

***Students with current passing PERT/SAT/ACT scores are exempt from the TABE test.**

SCORING

Completion of FASFA -----	20
Veteran or TAA eligible student-----	20
Documented Previous Welding Experience-----	20
Successful Passing/Completion of Drug Test-----	20
Orientation Attendance-----	10
Documented Visit with a CareerSource Okaloosa Walton center-----	10
Total-----	100

***Applicants with the highest point totals will be admitted first.**

*** In the event of a tie acceptance into the Welding program will be based upon Okaloosa/Walton Residency and/or date of application.**

ADMISSION CHECKLIST

Application forms must be completed on or before June 12, 2014. The applicant is responsible for providing all required information listed below prior to the deadline. All applicants will be notified of their status in the program via their school email. If you have any questions concerning the Welding Technology Program or the admission procedure please contact Brianna Gray at (850) 729- 5221 or email: grayb2@nwfsc.edu

- 1. Complete NWFSC Online Application and Residency forms for Admission to Northwest Florida State College's Applied Welding Technologies program.** Applications are available online at the NWFSC website at www.nwfsc.edu.
- 2. Submit Transcripts.** Submit the following transcripts to the NWFSC Admissions Office by the application deadline:
 - Official high school transcript or GED diploma or score report
 - Official transcripts from all other postsecondary institutions attended including CLEP, AP, IB transcripts***Note: If you are currently taking classes at NWFSC, your transcripts should already be on file.**
- 3. Obtain placement test scores (PERT) or SAT/ACT scores.** Test scores cannot be more than two years old
- 4. Complete a Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov**
 - a. School Code 001510**
- 5. Attend Welding program orientation.** Orientation Attendance will give students 10 points towards their admissions points. Please check with Brianna Gray and/or the welding website to confirm scheduled orientation dates. <http://www.nwfsc.edu/AdvTechDesign/Welding-Applied-Technologies.cfm>
- 6. Submit previous welding experience documentation. Documentation can include the following:**
 - a. Letter of recommendation from previous employer
 - b. Official high school or post-secondary transcripts

7. Visit a CareerSource Okaloosa Walton Center

CareerSource Okaloosa Walton Career Centers can help student's identify if they qualify for any financial assistance. Students need to provide a document on letterhead from the center they visited. This document should include the date of the visit and the students' full name. For more information please contact a local CareerSource Okaloosa Walton center.

<http://www.jobstop.com/index.html>

8. Submit results of a recent drug screening showing you are drug and alcohol free.

Substance Use and/or Abuse:

- Substance abuse is inconsistent with the ethics of the Applied Welding Program and Northwest Florida State College.
- Substance use/abuse adversely affects cognitive, sensory, affective and psychomotor behaviors which can be life threatening to self and others.
- You will be asked to submit to drug screening as a component of the admission or readmission procedure.
- You may be asked by the Welding Program or Northwest Florida State College, to submit to individual, group and/or random drug screening at any time. The College reserves the right to determine the agency to conduct the drug screening.
- You are responsible for drug screening costs for initial admission screening, readmission screening, or for-cause individual screening.
- Refusal to comply with requested screening within the time frame directed will result in dismissal from the Welding Program.

“NWFSC is alcohol and drug free in accordance with Public Law 100-690, The Anti-Drug Abuse Act of 1988. The unlawful manufacture, distribution, dispensation, possession, or use of alcohol or a controlled substance is prohibited in and on NWFSC owned and controlled property. This policy applies to employees, students, and visitors.” Any violation of this policy the individual may be subject to disciplinary action” (NWFSC Catalog, Student Handbook section, Substance Abuse section).

Drug Use/Abuse

Once admitted, you must remain drug-free throughout your tenure in this program. Failure to do so shall be grounds for dismissal from the program. You are required to be drug and/or alcohol free when reporting to school and while at affiliating agencies (including parking lots and grounds).

If there is reasonable suspicion that you may be impaired or are using or have used illegal drugs and/or alcohol, you may be tested in accordance with the affiliating agency's policies. Prior to being assigned to an affiliating agency, you will sign consent to allow the affiliating agency to release any drug testing results to the College. If tested by an affiliating agency, you will provide the Program Director with a copy of any test results. Failure to promptly do so shall be grounds

for your dismissal from the program. A positive drug or alcohol test result shall also be grounds for your dismissal from the program.

Please see the instructions below for the drug testing.

StudentCheck

Look beyond grade point averages.

INSTRUCTIONS FOR OBTAINING YOUR DRUG SCREEN

Northwest Florida State College Welding Technologies

In association with our education program drug screening is required on incoming students. You will be required to order your drug screen in sufficient time for it to be reviewed by the school and/or hospital. A drug screen typically takes 3 days to complete, however its delivery to your school and/or clinical site can be impacted by a variety of factors.

Go to www.mystudentcheck.com , and select your School and Program from the drop down menus for both School and Program. It is important that you select your school worded as **Northwest Florida State College - Welding - Drug Screen Only - Welding**.

Complete all required fields as prompted. For your records, you will be provided a receipt and confirmation page of your order placed through PreCheck, Inc. **Texas** residents will pay **\$49.80** and **New Mexico** residents will pay **\$49.34**. Residents in **all other states** will pay **\$46.00**. For your records, you will be provided a receipt and confirmation page of your order placed through PreCheck, Inc.

Drug Screening:

You must first pre-register for a drug screening.

- If you pay by credit card, the link to the instructions for pre-registration will be provided at the confirmation page after you complete your order.
- If you are paying by money order, you will be emailed instructions to obtain your drug screen once payment has been received.

Note on Drug Screen Collection Pre-Registration and Appointments: This process only pre-registers you for a drug screen and does not set up an appointment time with the collection site. Collection sites have different policies on setting up appointments for drug screening. For your convenience, we recommend calling your chosen collection site ahead of time to set up an appointment. It is also your responsibility to pre-register and complete the drug screen at the time frame required by the school. For most students, the Electronic Chain of Custody (ECOC) process will register them to a collection site instantly; however the location of some students may require us to mail a paper Chain of Custody Form to get you to a collection site close to your location. We encourage you to pre-register with enough time to allow mailing time, if needed.

Frequently Asked Questions

- How long does the drug screen take to complete? Most results are returned within 3 business days, but delivery to your school and/or clinical site can be affected by many factors.
- Do I get a copy of the results? Results are not always returned to PreCheck, and sometimes a school may designate that results be returned directly to them, or to the clinical site. If you wish to receive a copy you may contact us at StudentCheck@PreCheck.com and we will determine if we have results on file. We will need your name as provided on your drug screen order, the last four digits of your SSN, and also the School and Program for which you underwent the screening.

9. **ONCE ACCEPTED**

Take the TABE (Test of Adult Basic Education) at the Testing Center at the NWFSC Niceville Campus. Be sure to inform the test administrator that you are applying for entry into the welding program. **If using PERT/SAT/ACT in place of TABE scores student must provide score reports to the Admissions and Records Office. To schedule a test refer to the information on the NWFSC website at <http://www.nwfsc.edu/testing/> or contact the Testing Center at (850) 729-6016.**

Passing Test Scores			
ACT	TABE	PERT	SAT
English-17	Writing-9	Writing-99	Verbal-440
Reading-18	Language-9	Reading-104	Math-440
Math-19	Math-9	Math-113	

*The TABE is required by the Florida Department of Vocational Education. It must be completed with a score of at least 9 in Mathematics, 9 in Reading and 9 in Language before a student is eligible for graduation.