



Welding Technology

Admissions Information

Application Materials

Students wanting to apply for a degree seeking program at College of Eastern Idaho (CEI) must submit all of the following application materials for review. Admissions counselors will evaluate the application documents to ensure everything has been completed correctly.

- Application for admission
- High School or GED Transcripts, must be official copies
- Official Transcripts from all post-secondary institutions attended
- Math and English placement

Placement Scores

Students at CEI must have current placement into our basic math and English classes. If you need to take the ALEKS or Gain exams in order to prove placement you can schedule a time with our Testing Center by calling 208-535-5438.

Common tests and placement scores that we require are as follows:

Placement Test	English Score	Math Score
ACT	18 or higher	17 or higher
SAT	500 or higher	430 or higher
ALEKS Math	-	14 or higher
Gain	747 or higher	670 or higher

Transfer Credits

If you have attended any other college or universities you will need to send your official transcripts to CEI. It's possible for previously completed courses to transfer in to fulfill specific degree requirements. Please note the following guidelines from transfer course work to CEI:

- All transfer classes must have a final grade of a C or higher
- Only classes required for your program will be transferred in
- Some classes (like math and biology) can expire after 5 years

An admissions advisor can do an unofficial review of your transfer credits. The official evaluation is done after the admissions process is completed and will be available to the student at their New Student Orientation.

Student Orientation, Advising, and Registration (SOAR)

After you have received an acceptance letter into the college you will be required to attend a Student Orientation, Advising, and Registration. You will be able to enroll in classes during this event and it is the last step in the admissions process.

Financial Aid

This program is financial aid eligible. Our school code is: 0011133. If you are planning on applying for financial aid and have any questions please contact our Financial Aid office in room # 348 or call 208-535-5374

WLD Program Information

The Welding Technology (WLD) program is comprised of three different certificates/degrees. There is an Associates of Applied Science degree (AAS), Advanced Technical Certificate (ATC), and Intermediate Technical Certificate (ITC).

- The AAS is a 69 credit, 4 semester, program that includes general education courses.
 - It is recommended that students take the general education courses before or after the program.
- The ATC is a 54 credit, 4 semester, program
- The ITC is a 30 credit, 2 semester, program

When students are accepted into the WLD program they will be placed into a cohort for the fall semester.

Program Overview

Welding students will spend approximately 2 hours per day in the classroom and 4 ½ hours per day with hands-on training. The WLD professors utilize the American Welding Society (AWS) welding procedures. Students will receive training in shielded arc (stick), oxyacetylene welding and burning, metallic inert gas (MIG) inner shield welding, and tungsten inert gas (TIG) welding.

This full-time program provides on-the-job training to teach students strong computer, math, and welding specific skills that will follow them in their professional career. Through this, students will understand, demonstrate, and value attributes of professionalism. The WLD program is designed to prepare students for passing job entry proficiency tests such as Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Flux Cored Arc Welding (FCAW). This program will help students become **qualified** to pass certifications at job sites but they will not become certified during this program.

The hands-on experience the students receive in this program will prepare them for work in a large variety facilities. Many of our graduates are working at manufacturing companies, metal and steel fabrication companies, and agriculture and dairy farms.

Program Requirements

In order for students to be accepted into the Welding Technology program they must complete the CEI application process (see page 1).

Once in the program, students must pass their program specific courses with a minimum grade of C (75%) or higher and must be passed consecutively before continuing on to the next course.

Expectant graduates may be required to sit for proficiency exams at the conclusion of their program. Information regarding costs and dates for the exams will be posted in the online catalog and will be available from the program instructor(s).

Attendance Policy

- Students are allowed to miss one day a month.
- Classes start promptly at 8:00 AM.
- If you will be late or absent you must call or email the appropriate people ahead of time.
- Consequences are enforced if rules are not followed.
- *Refer to your instructor to verify what their specific policy is.

Competitive Program

The Welding Technology program is competitive. There are 15 seats available each Fall semester. Students will be put on our waitlist in the order we receive their application materials. In order to increase your chances of entering the program early you must submit your application, transcripts, and test scores to CEI as soon as possible. If a student is not accepted into the program for the fall they will remain on the waitlist until they are accepted.

Message from the Faculty

- “Welding is physically demanding, you need to be able to lift, bend, twist, stoop, and/or reach as needed.”
- “Be sure to purchase your tools from welding suppliers, they will be more reliable.”
- “Testing is part of the industry so you should get used to it in this program.”

Message from the students

- “Be prepared for a bumpy ride.”
- “You will need your own tools before the first day of class.”
- “Invest in quality products like real leather jackets and boots.”
- “Books are necessary, be sure you buy them.”
- “Your teacher will remain the same.”
- “The hands-on experience is awesome, you learn from the book and practice in the shop.”

Contacting Admissions

If you have any questions about the Automotive Technology program, or the application process we would be happy to go over it with you.

To schedule an appointment

Student Affairs
Room #311
Phone: 208-535-3000

Admissions Counselor

Courtney Richert
Phone: 208-535-5610
Email: Courtney.Richert@cei.edu

Welding Specific Questions

Corey Shurtliff
Phone: 208-535-5365
Email: Corey.Shurtliff@cei.edu

Program Cost

Costs are subject to change.

Associates of Applied Science

WLD. AAS Tuition	
Semester 1	\$1,935.00
Semester 2	\$1,935.00
Semester 3	\$1,548.00
Semester 4	\$1,548.00
Gen Ed	\$1,935.00
	\$8,901.00

WLD. AAS Books	
Semester 1	\$270.00
Semester 2	\$290.00
Semester 3	\$0.00
Semester 4	\$0.00
Gen Ed	\$300.00
	\$860.00

WLD. AAS Fees and Supplies	
Supply Fee	\$935.00
Tools	\$500.00
	\$1,435.00

Totals	
Tuition	\$8,901.00
Books	\$860.00
Fees/Tools	\$1,435.00
	\$11,196.00

Advanced Technical Certificate

WLD. ATC Tuition	
Semester 1	\$1,935.00
Semester 2	\$1,935.00
Semester 3	\$1,548.00
Semester 4	\$1,548.00
	\$6,966.00

WLD. ATC Books	
Semester 1	\$270.00
Semester 2	\$290.00
Semester 3	\$0.00
Semester 4	\$0.00
	\$560.00

WLD. ATC Fees and Supplies	
Supply Fee	\$935.00
Tools	\$500.00
	\$1,435.00

Totals	
Tuition	\$6,966.00
Books	\$560.00
Fees/Tools	\$1,435.00
	\$8,961.00

Intermediate Technical Certificate

WLD. ITC Tuition	
Semester 1	\$1,935.00
Semester 2	\$1,935.00
	\$3,870.00

WLD. ITC Books	
Semester 1	\$270.00
Semester 2	\$290.00
	\$560.00

WLD. ITC Fees and Supplies	
Supply Fee	\$415.00
Tools	\$500.00
	\$915.00

Totals	
Tuition	\$3,870.00
Books	\$560.00
Fees/Tools	\$915.00
	\$5,345.00

Program Course List

Bold indicates they are general education courses and can be taken during any semester.

Welding Technology
Associate of Applied Science (AAS)
69 Credits / Financial Aid Eligible

Fall Semester 1		
Course	Course Name	Credits
WLD 131	Safety and Leadership	2
WLD 132	Blueprint Reading for Welders	2
WLD 133	Welding Theory	2
WLD 134	SMAW Practical	4
WLD 135	Cutting Operations Lab I	2
OCR 105	Occupational Relations	3

Spring Semester 2		
Course	Course Name	Credits
MATH 104	Welding Mathematics	3
WLD 141	Blueprint Reading II	2
WLD 142	Welding Lab I	10

Fall Semester 3		
Course	Course Name	Credits
WLD 231	Welding Theory II	2
WLD 232	Welding Lab II	10

Spring Semester 4		
Course	Course Name	Credits
WLD 233	Welding Lab III	10
WLD 234	Welding Fabrication Lab	2

Required General Education Courses
It is recommended students take these courses before or after the program, not during.

Course	Course Name	Credits
COAM 101	Any General Education Elective	3
ENGL 101	Fundamentals of Oral Communication	3
MATH 123	Writing and Rhetoric I	3
PSYC 101	Math in Modern Society	3
SOC 101	Choose One of the Following: Intro to Psychology Intro to Sociology	3

Welding Technology
Advanced Technical Certificate (ATC)
54 Credits / Financial Aid Eligible

Fall Semester 1		
Course	Course Name	Credits
WLD 131	Safety and Leadership	2
WLD 132	Blueprint Reading for Welders	2
WLD 133	Welding Theory	2
WLD 134	SMAW Practical	4
WLD 135	Cutting Operations Lab I	2
OCR 105	Occupational Relations	3

Spring Semester 2		
Course	Course Name	Credits
MAT 104	Welding Mathematics	3
WLD 141	Blueprint Reading II	2
WLD 142	Welding Lab I	10

Fall Semester 3		
Course	Course Name	Credits
WLD 231	Welding Theory II	2
WLD 232	Welding Lab II	10

Spring Semester 4		
Course	Course Name	Credits
WLD 233	Welding Lab III	10
WLD 234	Welding Fabrication Lab	2

Welding Technology
Intermediate Technical Certificate (ITC)
30 Credits / Financial Aid Eligible

Fall Semester 1		
Course	Course Name	Credits
WLD 131	Safety and Leadership	2
WLD 132	Blueprint Reading for Welders	2
WLD 133	Welding Theory	2
WLD 134	SMAW Practical	4
WLD 135	Cutting Operations Lab I	2
OCR 105	Occupational Relations	3

Spring Semester 2		
Course	Course Name	Credits
MAT 104	Welding Mathematics	3
WLD 141	Blueprint Reading II	2
WLD 142	Welding Lab I	10

CEI WELDING PROGRAM
TOOLS & SAFETY REQUIREMENTS

REQUIRED TOOLS

Chipping Hammer
Wire Brush
10" Pliers or Vise Grips
12' Tape Measure with 1/2" wide blade
25' Tape Measure (Mandatory for full time students)
12" Combination Square
Side Cutters
Combination Lock – Prefer no keys

REQUIRED SAFETY CLOTHING

Leathers – Full Jacket or Cape Sleeves
Apron or Chaps
Welding Gloves (6-Pair minimum for full time students)
All Leather Work Gloves (4-Pair minimum for full time students)
Safety Glasses
Welding Hood w / #10 lens (Must supply own cover lenses)
Clear Face Shield
Cutting Goggles or Dark Face Shield w/# 4 lens
Welding Cap
Leather Boots
Coveralls (Optional)

**DO NOT BUY WELDING HOODS, GLOVES OR TOOLS FROM DISCOUNT TOOL STORES.
AIRGAS, OR NORCO WILL GIVE A STUDENT DISCOUNT AND QUALITY EQUIPMENT.**

Safety glasses are to be worn by everyone in the shop, at all times. Hearing protection is provided to you in the shop, by means of ear plugs. If you feel you need ear muffs or another style of ear plugs please provide them. Clothing in a welding shop should not be loose fitting or frayed. This is for your own safety as frayed clothing is a fire hazard and loose fitting clothes can be caught in machinery in the shop and cause serious injury.

Required Tool List

Highlighted Items required by 4th semester but, the sooner the better.

- 4 ½" Grinder
- 32 oz. Ball Peen Hammer
- 1" Cold Chisel
- Center Punch
- Model 11R vise grip clamps (2 pair min.)
- Model 10 R straight jaw vice grip clamps (2 pair min.)
- Torpedo Level
- Dead Blow Hammer
- Half round File (12" min.)
- Mill Bastard File (12" min.)
- Protractor
- Magnetic Angle Finder
- Screwdriver Set (9 piece)
- 15" Crescent Wrench or Spud Wrench
- SAE End Wrenches through 1 1/8"
- ½" Drive Socket Set (through 1" min.)
- Speed Square
- Wrap Around

Second year students will be required to supply the following items.

- 5 ea 3/32" 2% tungsten. RED or GRAY Thoria or Ceria
- 5 ea 1/8" 2% tungsten. RED or GRAY Thoria or Ceria

APPLY TO College of Eastern Idaho **IN 4 STEPS!**

1.



Fill Out the Application

Apply online at cei.edu

2.



Give Us Your Transcripts

Have your high school or school district office email your Official Transcripts to admissions@cei.edu

OR request your GED from diplomasender.com

3.



Have You Gone to Other Colleges?

Contact each college or university you have attended and request all Official Transcripts be sent to CEI

Email: admissions@cei.edu

Fax: **208.525.5026, Att. Sandy Bland**

4.



Submit English & Math Placement Scores

ACT/SAT scores within the last five years,
OR a placement test at CEI

Call the Testing Center: 208.535.5438 *Refer to catalog for acceptable placement options and program-specific requirements.*

Optional Step



Apply for Scholarships & Financial Aid

Apply yearly!

The CEI Scholarship deadline for the 2019-2020 year ends on February 8th, 2019. ceigiving.org/scholarship

Federal Student Aid resets each year. You can apply for grants and low-interest loans. fafsa.ed.gov