



Machine Tool Technology

Admissions Information

Application Materials

Students wanting to apply for a degree seeking program at the 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	19 or higher
SAT	500 or higher	510 or higher
ALEKS Math	-	20 or higher
Gain	747 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

MT Program Information

The Machine Tool Technology (MT) program is comprised of 2 different certificates/degrees. There is an Associates of Applied Science degree (AAS) and an Intermediate Technical Certificate (ITC).

- The AAS is a 67 credit, 4 semester, program that includes general education courses.
- The ITC is a 34 credit, 2 semester, program.

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

Program Overview

The Machine Tool Technology Program at CEI will provide training to prepare students to operate machine tools such as mills, lathes, computer numerically controlled (CNC) machine tools, precision measuring tools, and related attachments and accessories to perform machining functions. This will include tasks such as cutting, drilling, shaping, and finishing products and components. Graduates will understand CNC terminology, setup, programming, operations, troubleshooting, blueprint reading, CAD/CAM systems, and applicable regulations and laws.

This full-time program provides on-the-job training to teach students strong computer and mechanical skills that will follow them in their professional career. Students will develop desirable work habits, ideals, and attitudes that are important to successful careers. Additionally, students will learn to communicate effectively with industry peers and employers.

The hands-on experience students receive in this program will prepare them for work in a large variety facilities. Many of our graduates are working as CNC programmers, machine maintenance mechanics, machine operators, and 3D printing techs. Graduates are also able to work in machinery manufacturing, machine shops, tool rooms, and transportation equipment manufacturing.

Program Requirements

- In order for students to be accepted into the Machine Tool Technology program they must complete the CEI application process (see page 1).
- Must qualify for placement in **MAT 123 and MAC 143** (ALEKS ≥ 20 or SAT 510-800)
- 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).

Competitive Program

The Machine Tool Technology program is competitive. There are 15 seats available each year. 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

- “Books are required, you will need them for class.”
- “Having your own personal computer is recommended as it can be very useful.”

Message from the students

- “It is important to have a good understanding of math and geometry.”
- “The hands-on learning is awesome, you get to work with the machines a lot.”
- “It is a very manageable program but don’t slack off.”
- “The teacher to student ratio is great.”

Contacting Admissions

If you have any questions about the Machine Tool 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: 208-535-5510

Email: Courtney.Richert@cei.edu

Machine Tool Specific Questions

David Parsons

Phone: 208-535-5384

Email: David.Parsons@cei.edu

Machine Tool Specific Questions

Lane Jones

Phone: 208-535-5327

Email: Lane.Jones@cei.edu

Program Cost

Costs are subject to change

Associates of Applied Science

MTT. AAS Tuition	
Semester 1	\$2,193.00
Semester 2	\$2,193.00
Semester 3	\$2,064.00
Semester 4	\$2,193.00
	\$8,643.00

MTT. AAS Books	
Semester 1	\$560.00
Semester 2	\$245.00
Semester 3	\$170.00
Semester 4	\$170.00
	\$1,145.00

MTT. AAS Fees and Supplies	
Lab Fee	\$775.00
TSA Exam	\$60.00
Tools	\$500.00
	\$1,335.00

Totals	
Tuition	\$8,643.00
Books	\$1,145.00
Fees/Tools	\$1,335.00
	\$11,123.00

Intermediate Technical Certificate

MTT. ITC Tuition	
Semester 1	\$2,193.00
Semester 2	\$2,193.00
	\$4,386.00

MTT. ITC Books	
Semester 1	\$560.00
Semester 2	\$415.00
	\$975.00

MTT. ITC Fees and Supplies	
Lab Fee	\$525.00
TSA Exam	\$60.00
Tools	\$500.00
	\$1,085.00

Totals	
Tuition	\$4,386.00
Books	\$975.00
Fees/Tools	\$1,085.00
	\$6,446.00

Program Course List

***Bold** courses indicate it is a general education course and can be taken during any semester.*

Machine Tool Technology
Associate of Applied Science (AAS)
 67 Credits / Financial Aid Eligible

Fall Semester 1		
Course	Course Name	Credits
MAC 103	Machine Shop Lab I	6
MAC 126	Related Blueprint Reading I	2
MAC 143	Related Machine Shop Math	3
MAC 153	Machine Shop Theory I	3
COMM 101	Fundamentals of Oral Communication	3

Spring Semester 2		
Course	Course Name	Credits
MAC 104	Machine Shop Lab II	6
MAC 127	Related Blueprint Reading II	2
MAC 154	Machine Shop Theory II	3
MATH 123	Math in Modern Society	3
SOC 101	Introduction to Sociology	3

Fall Semester 3		
Course	Course Name	Credits
MAC 203	Advanced Machine Shop Lab I	6
MAC 211	Fundamentals of Comp-Aided Draft Design	2
MAC 224	Tool Design for Manufacturing	2
MAC 253	Advanced Machine Shop Theory I	3
ENGL 101	Writing and Rhetoric I	3

Spring Semester 4		
Course	Course Name	Credits
MAC 204	Advanced Machine Shop Lab II	6
MAC 212	Computer-Aided Manufacturing	3
MAC 225	Geometric Dimensioning & Tolerancing	2
MAC 254	Advanced Machine Shop Theory II	3
PSYC 101	Introduction to Psychology	3

Machine Tool Technology
Intermediate Technical Certificate (ITC)
 34 Credits / Financial Aid Eligible

Fall Semester 1		
Course	Course Name	Credits
MAC 103	Machine Shop Lab I	6
MAC 126	Related Blueprint Reading I	2
MAC 143	Related Machine Shop Math	3
MAC 153	Machine Shop Theory I	3
COMM 101	Fundamentals of Oral Communication	3

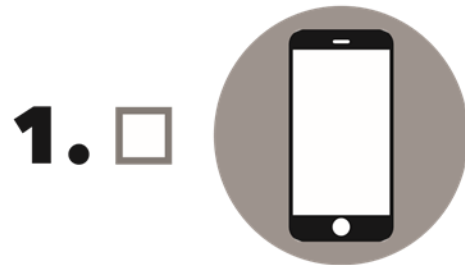
Spring Semester 2		
Course	Course Name	Credits
MAC 104	Machine Shop Lab II	6
MAC 127	Related Blueprint Reading	2
MAC 154	Machine Shop Theory II	3
MATH 123	Math in Modern Society	3
SOC 101	Introduction to Sociology	3

Program Tool List

The calipers, six inch rule, and handbook are required the first week of school. The rest of the tools can be bought as needed or as the school year progresses.

Machine Tool Tech Tool List				
Title	Option	Description		Price
	Choose 1			
Machinery's Handbook 30th Edition	Option 1	Ongoing Textbook, Large Print		\$ 125.00
Machinery's Handbook 30th Edition	Option 2	Ongoing Textbook, Toolbox Edition		\$ 105.00
Machinery's Handbook 30th Edition	Option 3	Ongoing Textbook, Large Print, Calc Pro 2 Combo		\$ 179.95
Machinery's Handbook 30th Edition	Option 4	Ongoing Textbook, Toolbox Edition, Calc Pro 2 Combo		\$ 159.95
Safety Glasses		Required		\$ 12.00
Ear Plugs		Recommended		\$ 6.00
	Choose 1			
Calipers (Digital)	Option 1	Mitutoyo 6"	MT80500-752	\$ 209.00
Calipers (Digital)	Option 2	Mitutoyo 8"	MT80500-753	\$ 280.00
Calipers (Digital)	Option 3	Starrett 6"	MV7012521	\$ 253.00
Calipers (Digital)	Option 4	Starrett 8"	MV7012523	\$ 307.00
Six Inch Rule		Starrett 1/2" Wide	MV7055433	\$ 5.30
Double Squasre		Pro Engineer 4"	NB40S10416	\$ 40.00
4" Bevel Edge Square		Fowler	NA555242600	\$ 46.80
5/8" End Mill		Morse 5/8 X 5/8 X 1-5/16" 2 FL, Single End Mill	MT2343661	\$ 30.55
1/2" Ball End Mill		Morse 1/2 X 1/2 X 1.0" 2 FL, Ball End Mill	MT2043142	\$ 43.25
	Choose 1			
Tool Box (Machinist)	Option 1	Kennedy 8-drawer 26"		\$ 479.40
Tool Box (Machinist)	Option 2	Kennedy 11-drawer 26"		\$ 602.80
Tool Box (Machinist)	Option 3	South Bend 13-drawer 26" Oak		\$ 375.00
File		Flat Machinist's File	FR5007894	\$ 11.60
File Handle		Fits 6 -8 inch files	FT50L002	\$ 2.80
File Card		File Card with Brush	FS5020	\$ 14.70
Thread Pitch Gage		SPI 51 Blade Thread Pitch Gage	PRO NE60SP5	\$ 14.54
Electronic Edge Finder		Fowler .200 Stylus, 1/2" Shank	NA555457562	\$ 116.75
Mechanical Edge Finder		Brown & Sharpe Single End, .200"	MV4527031	\$ 16.50
Dial Indicator		Mitutoyo 0-15-0 Horizontal	MT80513-402	\$ 130.00
			Average Total	\$ 971.49

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



Fill Out the Application

Apply online at cei.edu



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

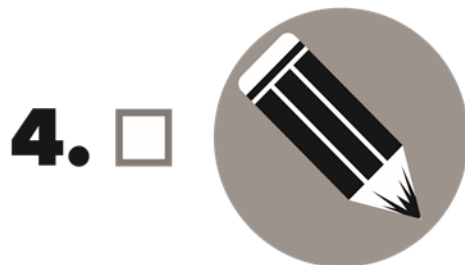


Have You Gone to Other Colleges?

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**



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.*



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