



2024
Summer NRA
Gunsmithing
Program

Trinidad State College
600 Prospect St. Trinidad, Colorado 81082
1-800-621-8752 ext. 5724 or 719-846-5724
donna.haddow@trinidadstate.edu

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WELCOME

It is our pleasure to welcome you to the Trinidad State College Summer NRA Program. Whether you are new to TSC or a seasoned veteran of our Summer Program, we are sure you will find courses to meet your needs.

Please take a few minutes to read the general information section as you will most likely find the answers to your questions within this section.

If you are taking summer classes as professional development for your job, classes are available for CEU's (Continuing Education Units). Be sure to let us know when you register that you are taking classes for CEU's so your certificate of completion will reflect the units earned.

A variety of scholarships are available to students taking classes for credit. Information is available on the TSC Educational Foundation's scholarship page. To explore all scholarship opportunities available to Trinidad State students, visit <https://trinidadstate.edu/scholarships/index.html>. If you need assistance, please contact Toni DeAngelis at 719-846-5520 or toni.deangelis@trinidadstate.edu.

Thank you for considering Trinidad State for your Gunsmithing and Firearms Safety education. We look forward to seeing you!

GENERAL INFORMATION

Welcome to Trinidad State College's 2024 Summer NRA Program. Courses are available for the novice, the current student, or the professional. Each course is organized for those who wish to learn a new skill, refine a technique, or study new technical information. Students may sign up for one course or multiple courses depending on their goals; however, because courses last from 8 a.m. to 5 p.m. Monday through Friday, you may only sign up for one course per week.

If you plan to pursue Gunsmithing as a career, our summer classes may give you a good start on needed skills; however, we highly recommend you attend a full-time Gunsmithing program if this is your goal.

Students must bring firearms to work on, and any supplies or parts necessary to complete their project. See course descriptions and tool lists for details. Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need. All participants must comply with all local, state, and federal laws regarding firearms. **All persons enrolled in Gunsmithing courses must be able to legally own and possess firearms.** NO WORKING FIREARMS or ammunition are allowed in the residence halls with the exception of firearms checked into the gun vault located in O'Connor Hall. You must be staying in housing to use the O'Connor vault. Ask your RA about firearms check in when you arrive. You may check your firearms into the tool room gun vault on Monday morning. All firearms brought into the classroom will need to have a day tag. Further information will be provided at orientation.

If you are licensed to carry a concealed firearm, they are allowed on campus per Colorado State law; however, for safety reasons, no loaded firearms are allowed in the Gunsmithing Department/classrooms. When transporting firearms on campus, please carry them in a gun case.

Some courses list prerequisites. If you are unsure as to whether or not your education/training/life experience meets the stated prerequisites, please contact the course instructor.

Most classes are conducted from 8 a.m. to 5 p.m. Monday through Friday. TSC/NRA certificates of completion are awarded for each course completed. TSC has a longstanding affiliation with the National Rifle Association. The NRA, however, is not an accreditation agency. Trinidad State College is accredited by the Higher Learning Commission. You will find all of our courses professional, thoughtfully constructed, and well, fun.

Payment is due at the time of registration; however, if you use a credit or debit card, the card will not be charged until April of the year the class is held. Although your bill is paid at the time of registration, the TSC Business Office now requires that we collect a Student Payment Agreement for every student. A copy of this agreement is located in Appendix A.

It is important to register for courses at least 5 weeks in advance to allow adequate time for the school to purchase supplies and equipment. NOTE: Some actions and other gun parts may take up to 2 months for delivery so please allow adequate time to purchase your parts.

INTERNATIONAL STUDENTS: Trinidad State is happy to welcome students from our neighbor, Canada; however, we are not able to enroll students from any other countries in Gunsmithing-related courses at this time due to Federal rules. All International students may take courses that do not require working on a firearm or using firearm parts such as knifemaking, etc.

For assistance please contact Leslie Velarde, International School Official, at 719-846-5621 or leslie.velarde@trinidadstate.edu.

TUITION

If you take a course as continuing education (non-credit), you will pay a flat rate per week regardless of where you live. The tuition for each course is shown with that course in the body of this document. Out-of-state residents taking courses for credit will pay out-of-state tuition; however, rates may vary depending on where the student lives [current tuition rates](#). Colorado residents taking classes for credit will need to register for the College Opportunity Fund (COF). Registration for COF may be done by clicking [here](#). If you previously took classes for credit, you do not need to register for COF again. If you are not registered for COF, you will not receive the stipend on your account and will pay higher tuition. Once-per-semester semester registration fee of 16.30. However, if you take a blend of credit and non-credit classes, you will be charged \$16.30 for each method. Please note that the housing and meal information on the tuition rate sheet does not apply in the summer. See housing and meals sections below for additional information.

If you have questions, please feel free to contact Donna Haddow at 719-846-5724, 1-800-621-8752 ext. 5724 or donna.haddow@trinidadstate.edu.

Payment for classes may be made by telephone or by mailing your registration to:

Trinidad State College, NRA Program

Attn: Donna Haddow

600 Prospect St., Trinidad, CO 81082

- **Phone: 1-800-621-8752 ext. 5724---Fax 719-846-5062**
- **email: donna.haddow@trinidadstate.edu**

STUDENT PORTAL

Once you have been processed through the TSC admissions process, you will receive a confirmation email, which contains your “S” (student) number and will automatically have a student portal account. You will need your ID, or “S”, number in order to access the portal. You may access the portal through the “P” section in the A-Z listing on the TSC home page. The portal will allow you to:

- Check your student email
- Register for courses – Registration for Summer NRA Courses can only be done through Donna
- View and pay your tuition bill
- Get financial aid information
- Access D2L & CCCOnline
- View and order a transcript

Access to the portal will also give you the option to download Office 365, which will be active for as long as you are a student.

CANCELLATION POLICY

Classes are **NON-REFUNDABLE** with one exception: classes that TSC cancels due to insufficient enrollment will be reimbursed in full. **Classes with less than 6 students are subject to cancellation at the discretion of the College.** We will make every effort to notify you of a cancellation at least four weeks in advance of the class. If you have extenuating circumstances, please let us know and we will work with you the best we can.

COURSE TIMES and LOCATION

Unless otherwise stated, classes are conducted Monday through Friday from 8 a.m. through 5 p.m. Orientation is held each Monday morning at 8 a.m. in room 306 of the Mullen Building. Students will then proceed to their classrooms. It is possible some courses may be held, at least in part, at the Prator Gun Range. **In 2024, Juneteenth will fall on Wednesday, June 19th. For this week, courses will run Monday, Tuesday, Thursday, and Friday from 7:30 a.m. to 6:00 p.m. with a 30 minute lunch.**

HOUSING

Housing will be available at a cost of \$140 per week.

Rooms include bed, bedding, and a desk. Please bring your own towels and personal items. There is no air conditioning in housing and we recommend you bring a box fan or desk fan. ****PLEASE NOTE – TSC does not offer microwaves or refrigerators. If you will need a refrigerator or microwave for medical purposes, you will need to bring one with you or purchase one at the local Walmart store. You may check in on Sunday afternoon before classes begin at no additional charge. If you are here for multiple weeks, you may stay the weekend in between classes at no extra charge. NO ALCOHOL OR AMMUNITION is allowed in campus housing. ****Note** TSC uses a special type of mattress to prevent bed bugs. We recommend you bring a mattress pad or sleeping bag for comfort.****

MEALS

Cafeteria dates and hours may vary depending on the number of students on campus. Meal cards will be available for \$38.00 for a 5-meal card or \$71.00 for a 10-meal card. Please check with Sodexo Campus Services at 719-846-5629 if you have questions before you come so you will be prepared to eat in the cafeteria or plan to eat off campus. Off-campus dining information is available at <https://visitrinidadcolorado.com/>. **PLEASE NOTE, MEAL CARD PRICES ARE SUBJECT TO CHANGE DUE TO INFLATIONARY PRESSURES.** ****Note** Cafeteria days/hours are dependent on the number of students using the cafeteria on any given week. It is possible you may need to eat off campus at times. Information on local dining options is available at <https://visitrinidadcolorado.com/>**

The NRA Program hosts a free dinner for students each Thursday evening at 5:30 p.m. in the Pioneer Room located in the Sullivan Center (same building as the cafeteria and bookstore). If you plan to bring a guest or do not plan to attend the dinner, please let Donna know during orientation on Monday.

INSURANCE

Students enrolled in TSC classes are NOT covered by any type of health or accident insurance. Students are expected to arrange their own insurance.

LOCATION

Trinidad is located 200 miles south of Denver and 120 miles south of Colorado Springs, Colorado on Interstate 25. We are about 170 miles north of Santa Fe, New Mexico.

The nearest major airport is in Colorado Springs. If you are driving, take either exit -Exit 14 from the north side of Trinidad or Exit 13B from the south side of Trinidad. ****SEE MAP ON PAGE 78****

COMPUTER ACCESS

Trinidad State College has free WIFI for students throughout the campus. Password will be available at residence hall check-in and orientation on Monday morning.

Gunsmithing Technician Certificate - 16 credits

Core classes required for certificate

Course Information	Name	Credit Hours
GUN 120	Basic Machine Shop	2
GUN 121	Advanced Machine Shop	2
GUN 116	Welding for Gunsmiths	2
GUN 103	Bluing	2
GUN 192	Benchmetal Hand Tools & Metallurgy	2
	Three electives from courses offered for credit	6

Other summer courses offered for credit may be taken as electives toward the certificate. Courses offered as continuing education only do not count toward the certificate.

PRIOR LEARNING ASSESSMENT

Did you know that you may be able to earn college credit for your non-college or experience-based learning?

Prior Learning Assessment (PLA) credit is awarded for college-level learning: knowledge, skills and competencies. PLA includes skills gained from work and life experiences such as:

- Correspondence and extension courses
- Individual study and reading
- Civic, community and volunteer work
- Participation in formal courses and in-service training sponsored by associations, business, government and industry.

Trinidad State College will accept in transfer from within the institution and from other state institutions of higher education prior learning assessment credit awarded for GT Pathways requirements. Trinidad State will not prohibit students from meeting general education/GT Pathways requirements with prior learning assessment credit.

Standards for awarding PLA credit:

- PLA credit may be awarded if the following standards have been met:
 - o You have been admitted to TSC
 - o You have declared a degree or certificate
(changing your declared degree or certificate will result in the reassessment of the applicability of PLA credit)
 - o Your prior learning is equivalent to college level
- PLA credit may only be awarded for courses and credits required in your declared degree or certificate.
- PLA credit may satisfy course prerequisite requirements
- PLA credit cannot be used to satisfy the TSC degree or certificate residency requirements*
- All work evaluated for PLA credit must meet or exceed 'C' level work
- PLA credit cannot duplicate any previously-awarded credit
- PLA credit is specifically noted on the transcript as such and is considered transfer coursework (and not institutional coursework):
 - o PLA credit is not calculated into your grade point average (GPA)
 - o PLA credit noted on your transcript will have a grade of 'PLA'
 - o If the PLA credit assessment determines that the prior learning does not warrant the awarding of credit, or if the standardized / institutional exam is not passed, the PLA credit does not appear on your transcript
- PLA credits are not included as part of your semester enrollment for the purposes of financial aid, veteran benefits or any other purpose predicated on total hours of enrollment for a given semester

PLA credit may be earned through a combination of the following:

- National Standardized Placement Tests
- Institutional Challenge Examinations
- Published Guides (*including military*)
- Portfolio Assessment
- Faculty Evaluated Industry & Workplace Credit

The cost at the time of this writing is \$65 per credit hour

Portfolio Guidelines

INTRODUCTION

A portfolio is one of the approved PLA methods in Board Policy 9-42 (<https://internal.cccs.edu/board-policies/bp-9-42-prior-learning-assessment-credit/>), and System President's Policy 9-42 (<https://internal.cccs.edu/system-presidents-procedures/sp-9-42-prior-learning-assessment-credit/>), for a student to demonstrate learning acquired outside of the traditional classroom. It is a collection of information gathered by the student and presented in a systematic format that validates the experiential learning that has occurred. Each course for which portfolio credit is requested must be in the college curriculum and must be part of the student's certificate or degree requirements.

FACULTY AND STUDENT ROLES IN THE PORTFOLIO PROCESS

Preparation and content of the portfolio is the responsibility of the student. A PLA advisor will assist the student in following the established procedures. Once a portfolio has been prepared, it will be assessed for the awarding of credit. A faculty or a subject matter expert will evaluate and determine if the student has provided sufficient documentation to demonstrate attainment of the learning outcomes and/or met the competencies of the course.

MINIMUM REQUIREMENTS FOR THE CONTENT OF THE PORTFOLIO There are certain items that must be included in a logical order before the portfolio can be considered for evaluation.

- **Cover Page and Table of Contents:** Each portfolio will have a cover page identifying the portfolio and the student who prepared it for credit. A table of contents listing the separate parts of the portfolio will also be included.
- **Request for Portfolio Credit:** A short letter on which the student will indicate the course(s) s/he is requesting for the awarded credit.
- **Narrative of Intent:** This document should introduce the student to the evaluator. It is a relevant but brief autobiographical presentation that ties together why the portfolio is being submitted and why the credit should be awarded. It is a general overview of what will be discussed in detail later.
- **Relevance:** If general education courses are being requested for award, the student must show how his or her life experiences relate to the request. If occupational courses are being requested for award, the

narrative will include the student's relevant work experiences and may include those life experiences relating to the request.

- **Resume:** A resume must be submitted when courses are being requested for credit awards.
- **Course Requests:** This portion of the portfolio will have a separate section for each course for which credit is being requested. Course competency statements and/or learning outcomes (provided to the student by the PLA advisor or by the instructional unit) should be the starting point for the development of this section. The student then will describe how his or her learning relates to this specific course and how he or she has accomplished the competencies/learning outcomes expected of a person who successfully completed the course.
- **Documentation:** Supporting documentation will be presented in the portfolio to support the student's request for awarding credit. The supporting documents will be of sufficient breadth and depth to validate the student's stated learning and provide the evaluator with qualitative evidence for evaluation. Types of documentation are as follows:
 - **Certificates of Training:** Students who have received training through non-traditional methods should provide a copy of a certificate of completed training, a lesson plan or training content (if available), dates of attendance, and/or other information showing what was taught. Evidence of evaluation may also be required (e.g., proficiency exam scores).
 - **Portfolio of Works:** Students requesting awarded credit in some fields may have a portfolio of their work, which will support their request.
 - **Demonstration of Competency:** Some students may request credit in courses that can only be evaluated after a performance of their skills.
 - **Oral Interview:** The evaluator may contact the student for a verbal discussion of his/her portfolio as a supplement to the written information provided.
 - **Awards and Honors:** The student may provide copies of any awards and honors directly related to the competencies.
 - **Job Descriptions, Performance Evaluations, and Letters from Employers/Supervisors:** These documents may be included to verify attainment of the competencies and/or learning outcomes for which the student is seeking credit.

For additional information, visit <https://trinidadstate.edu/pla/index.html>

Tuition Rates

Current tuition rates for classes taken for credit are available at <https://trinidadstate.edu/tuition/pdf/tuition.pdf>

Using your VA Benefits

Many NRA Summer Classes are available for credit. Classes taken for credit toward the Gunsmithing Technician certificate are eligible for payment using financial aid, GI Bill, and Vocational Rehab. Certain restrictions may apply. Please talk to our financial aid office concerning your individual case: Christina Sisneros, Director Financial Aid, at 719-589-7045 or christina.sisneros@trinidadstate.edu Click [here](#) for complete information on using your veteran benefits.

PLEASE KEEP IN MIND THAT YOUR PARTICIPATION IN ALL HOURS OF CLASS IS CRITICAL IF YOU ARE TAKING A CLASS FOR CREDIT. FAILURE TO BE PRESENT THE ENTIRE WEEK OF CLASS CAN RESULT IN A DROP IN YOUR GRADE, WHICH IS RECORDED ON AN OFFICIAL COLLEGE TRANSCRIPT.

****GI Bill and Tools****

Effective January 1, 2020, tools for Gunsmithing/Summer NRA courses will not be eligible for reimbursement by the Veterans Administration/GI Bill. Students will be responsible for purchasing, and having available, the tools and materials listed in the description for each course in order to complete class projects. If you are unsure whether a particular tool is required to complete your project, please contact your instructor.

Many items that are required for programs like gunsmithing, automotive and the line technician programs may be purchased at the TSC bookstore, but may also be available through other vendors.

SHIPPING OF FIREARMS

The information below was current as of 10-31-23. If we find there are changes to this procedure, an email will be sent to all enrolled students at that time.

If you need to ship your firearms and/or tools to the school, they should be addressed to yourself in care of the school. The firearm will be received in our mail room and given to the Gunsmithing Department to place in the gun vault. If you ship through UPS or FedEx, and get a pre-paid shipping label, you will be able to ship the gun back through our mailroom. If you do not get a pre-paid label, you may take the firearm to the local UPS center – UPS's only receives packages for shipping between 4:30 and 6:00 p.m.

Please address your package to the school as follows:

Trinidad State College
Attn: John Doe, NRA Student
600 Prospect Street
Trinidad, CO 81082

Handguns must be shipped by overnight air.

If you have any questions about shipping firearms, please call Ryan at 719-846-5525 or Bob at 719-846-5533. The College mailroom is located on the first floor of the Berg Building.

Firearms on Campus: If you are licensed to carry a concealed firearm, they are allowed on campus per Colorado State law; however, **for safety reasons no loaded firearms are allowed in the Gunsmithing classrooms.** Please do not bring concealed firearms or ammunition to your class. If you are staying in campus housing, a gun vault is available to store firearms in O'Conner Hall. Firearms you are using as class projects may be stored in the gun vault in the tool room.

When transporting firearms on campus, please carry them in a gun case.

SUMMER NRA 2024 SCHEDULE

Classes listed in Red are required for the Gunsmithing Technician Certificate

Classes in Purple are run through the Heritage School at Trinidad State

May 27– May 31	Basic Machine	Logan Schmit	Mullen 211
	Intro to Gunsmithing	Ryan Newport	Mullen 306
	Welding for Gunsmiths	Robert Sanchez	Banta Welding Lab
June 1-2	<i>Weekend Machine Lab</i>	<i>Logan Schmit</i>	Mullen 211
June 3-7	Bluing	Bob Campbell	Mullen 106
	Advanced Machine Shop	Logan Schmit	Mullen 211
	Hat Making with Tom Hirt (Monday-Thursday, June 3-6)	Tom Hirt	TBD
June 10-14	Gun Sight and Scope Installation	Bob Campbell	Mullen 106
	Action Blueprinting	Logan Schmit	Mullen 211
June 17-21	Intro to GS for Veterans	Howard Massingill	Mullen 101
see note	Alternative Finishes	Bob Campbell	Mullen 106
	Barreling Precision Rifles	Logan Schmit	Mullen 211
	Reloading A-Z	Rich Machholz	Mullen 306
	Damascus Billet Making	Steve Rollert	Banta Welding Lab
June 24-28	Lever Action Rifles	Howard Massingill	Mullen 101
	Gunsmithing Tools – Sako Extractor Jig/Headspce Tool	Logan Schmit	Mullen 211
	Accurizing the 1911	Ryan Newport	Mullen 306
	Basic Bladesmithing	Steve Rollert	Banta Welding Lab
July 1-5	NO CLASSES		
July 8-12	Benchmetal Hand Tools & Metallurgy	Fred Weisenborn	Mullen 106
	Basic Machine	Logan Schmit	Mullen 211
	Single Action Revolver Tuning	Ryan Newport	Mullen 306
June 13-14	<i>Weekend Machine Lab</i>	<i>Logan Schmit</i>	Mullen 211
July 15-19	Advanced Machine Shop	Logan Schmit	Mullen 211
	Brownells AR15 Armorer's Class	Dean Batchelder	Mullen 306

**** Please note: Wednesday, June 19th is a Colorado State holiday. Classes running that week will run Monday, Tuesday, Thursday, and Friday from 7:30 a.m. to 6:00 p.m. with a 30 minute lunch break**

Weekend machine workshops are not instructional classes. They are offered in order for those in the machining classes projects to have additional time to complete their projects or those who have machining experience to bring something they need to complete. The instructor is there for assistance in this process.

Instructors Email Addresses

We are grateful for the following instructors who are willing to share their knowledge with our students. If your instructor is not listed here, please contact Donna at 719-846-5724 and she will have the instructor contact you.

Dean Batchelder dean.batchelder@brownells.com

Bob Campbell robert.campbell@trinidadstate.edu

Tom Hirt best to call him at 719-372-9399

Rich Machholz r.machholz@gmail.com

Howard Massingill hmass18z@msn.com

Ryan Newport ryan.newport@trinidadstate.edu

Steve Rollert countrybladesmith@gmail.com

Robert Sanchez robert.sanchez@trinidadstate.edu

Logan Schmit logan.schmit@trinidadstate.edu

Fred Weisenborn weismetals@gmail.com

Please note that our full-time instructors (in blue type above) may not be available for questions between semesters. If you are unable to reach any of the instructors above, please feel free to call Donna at 719-846-5724 and we will try to contact them on your behalf.

INSTRUCTOR BIOGRAPHIES

(in alphabetical order)

Dean Batchelder:

Dean Batchelder graduated from Colorado School of Trades in 1992 and in 1997 had his own shop and did bluing and general repair. In 2001 he started at Brownells as a Technical Support Gunsmith, and since then he has taught yearly classes on the AR15 and on Alternate Finishes to the students at various Gunsmithing Schools and also at NRA Summer Schools. If you have any questions about the class, you may contact him at dean.batchelder@brownells.com

Bob Campbell:

Bob Campbell graduated with an AAS degree in Gunsmithing from Trinidad State College in 2009. He worked for the Williams Gun Sight Company as a Gunsmith from 2011 to 2019. In The Fall of 2019, he joined Trinidad State as a full time instructor teaching Stock Making, Conversions, and Metal Finishing. Robert.Campbell@trinidadstate.edu 719-846-5533



Bob Campbell

Tom Hirt:

Tom Hirt is old-fashioned guy who does things the old-fashioned way. You might call him a throw-back to a bygone era-that time when h and cowboys and craftsmen took care of business with their hands. Hirt continues that tradition to this day as a hat maker who makes superior-quality beaver felt hats one at a time by hand. Known as the hat maker for the movies, he has designed hats for many famous clients including Val Kilmer, Sam Elliot, and Sharon Stone. His credits include Tombstone, the Quick and the Dead, Conagher, and many others. After almost 20 years, he is considered one of the West's most notable and most established hatters. [Hats of the West](#) or email Tom at info@tomhirt.com 719-372-9399



Tom Hirt

Rich Machholz:

Rich was a ballistic technician at Sierra Bullets for over 25 years and a long range Benchrest competitor for over half that time. He began hunting at a very early age and reloading followed shortly thereafter. In the early 1980's he got an idea, made some drawings, hired an attorney and eventually received a design patent for case spinners. He resurrected his old Sportsman Supply Company, which was a retail sales company but soon developed into a small manufacturing company building portable shooting tables, rifle rests, target stands and the SSC Case Spinners. That eventually lead to freelance writing and later got him in the door at Sierra Bullets. r.machholz@gmail.com



Rich Machholz

Ryan Newport:

Ryan Newport is an alumnus of Trinidad State College. After graduation he spent several years working as a repair gunsmith for Browning Arms on their high end line of shotguns and rifles. Ryan returned to TSC in 2011 as an Associate Professor of Gunsmithing teaching Bench Metal, Firearms Conversions, Firearms Metal Finishing, Alternative Metal Finishes, Shotgunsmithing, Custom Pistolsmithing, and Firearms Repair.

ryan.newport@trinidadstate.edu office # 719-846-5525



Ryan Newport

Steve Rollert:

Steve Rollert has been making knives for over 40 years, starting with a Burr King grinder in the spare bedroom of a duplex in Denver, Colorado in 1980. Steve's interest in knifemaking started while attending Skunk Hollow Blacksmithing School. After graduation Steve sought out Japanese Swordsmith, Kuzan Oda, then in Colorado Springs. Kuzan taught Steve the Japanese mindset and disciplines of knifemaking necessary to produce knives of enduring quality and value. Steve has progressed to producing Damascus Steel and hand forging fine blades in his large shop in Keenesburg, CO. He is well known for his quality pattern welded Damascus and his earlier work in cable welded Damascus. In 1999 Steve started Keen Edge Knives in response to a number of requests for high quality training knives from his fellow martial artists. Over the years Steve has strived to provide the best quality product possible at a reasonable price.

countrybladesmith@gmail.com 303-732-4858



Steve Rollert

(Photo property of the Ft. Morgan Times newspaper)

Robert Sanchez:

Robert Sanchez is the full-time welding instructor for TSC. Prior to working at the college, Robert worked for Topar Welding as a gas field welder. He has been welding since 1998 where he started out as a structural welder working on schools and other buildings.

robert.sanchez@trinidadstate.edu 719-846-5566



Robert Sanchez

Logan Schmit:

Logan Schmit is the Machine Shop Instructor for the Trinidad State Gunsmithing Program. A 2010 *summa cum laude* graduate of the program, Schmit had also attended the Brownells Trinidad American Firearms Technology Institute. It was during this time that he was recruited by George Gardner to join GA Precision, located in North Kansas City Missouri. At GA, employed as a Precision Bolt Rifle Specialist, fitting and chambering of barrels became a specialty for Schmit. Additional areas of expertise included barrel fluting, bedding, final assembly, and blueprinting actions. During this time Schmit completed several builds at the request of Team GA members. His work was also featured in the 2014 advertising brochure for Manners Composite Stocks LLC and highlighted on their banner at Shot Show in Las Vegas.

In December 2014, Schmit was asked to join the Mile High Shooting Accessories team to continue to develop and grow the custom side of their successful firearms business. As Senior Precision Rifle Builder and Director of Barreling and Custom Builds, Schmit oversaw a growing custom rifle-building department where, along with producing precision custom firearms to fulfill MHSA client requests, he had developed programming specific to the needs of the facilities CNC equipment. In 2017 Schmit was honored to complete barrels for Dave Walls, Ady Newberry and Scott Seigmund of Accuracy International, for their team in the 50 Cal World Championship on the 2000 yard range.

A native of Central Wisconsin, Schmit began his career in rifle building by enrolling in the NRA Summer Program at Trinidad State. Surrounded by experts in the field and students from across the United States and around the world, Schmit's interest was ignited. His choice for a degree program was Trinidad State where, in 2009, he formally enrolled and was accepted as a full-time student in the two year Gunsmithing Degree program. Every summer he augmented his education with a series of NRA summer classes. Since experiencing his first NRA Summer Program class in 2007, Schmit has immersed himself in the exciting and challenging profession of rifle building in particular, and the firearms industry in general.

In August 2018, after teaching two NRA Summer Program classes, Schmit was offered the opportunity to join the faculty at Trinidad State as a full time Gunsmithing Instructor. This experience offers Schmit the ability to share his knowledge of firearms manufacture with a new generation of students and to continue, and further the long and exceptional history of the Trinidad Gunsmithing program.

logan.schmit@trinidadstate.edu 719-846-5632



Logan Schmit

Fred Weisenborn:

Fred Weisenborn grew up in the Ozark hills of Missouri, where his father introduced him to the art of blacksmithing. As a teenager, Fred joined the local blacksmith association, where he worked with artists and craftsmen throughout the country and developed a passion for creating things from metal. He spent the summer of 2002 at the Touchstone Center for Crafts in PA, where he was able to work with many master smiths like Raymond Rybar and Bill Fiorini. When the time came to choose a career, Fred decided to attend Trinidad State College's gunsmith program. In the next two years, Fred was taught everything from basic machining to building his own 50 caliber rifle. After college, he worked for two years as a gunsmith for Gander Mountain in Foreset Lake, MN. He decided to make a career change in 2007 and moved to the St. Louis area in the hopes of more career opportunities in the firearm business. In 2010 he began working for Midwest Gun Works in Pevely, MO as a gunsmith. Fred enjoys the daily challenges that come with his trade, and believes that through hard work and the ability to collaborate with others, no problem is too big to solve. Fred designs and makes knives and pens in his spare time and still enjoys creating work over the forge. He sells items online as well as at local craft shows and consignment shops.

If you have questions for Fred, please contact Donna Haddow 719-846-5724 or

donna.haddow@trinidadstate.edu



Fred Weisenborn

SUMMER NRA 2024 COURSE DESCRIPTIONS

We have included lists of the minimum tools required for each class within the course descriptions below. Because of the variety of student projects, it is impossible for us to list all tools you may need. If you believe you may need something else, please bring it with you. The TSC bookstore carries many tools. Click [here](#) for a list of tools available in the [bookstore](#).

Machine Shop Lab

\$150 per weekend

Open Machine Shop Lab is for students with machining experience. This will be a lab only with a minimum of formal instruction. Students should bring their own tools, projects, and materials. There must be at least four students signed up in order to hold a weekend lab.

Labs are scheduled for the weekends of June 1-2 and July 13-14

WEEK 1– May 27-May 31

Basic Machine Shop

\$350 or 2 credit hours

(Core Class for Certificate)

Incorporates instruction and hands-on experience in machine tool operation. Focuses on experience with the drill press, metalworking lathe, and milling machine in the manufacture of parts and tools. Enrollment is limited to 14 students.

Instructor: Logan Schmit

Basic Machine Shop Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

- (Required) Precision Machining Technology, Third Edition (ISBN: 978-1-3377-9530-2)

It is highly recommended you purchase this book with enough time to read the following before the class. It will improve your understanding and increase your retention of the material presented during the course.

- 3 Job Planning, Benchwork and Layout (units 5 and 6, pages 286 to 315)
- 4 Drill Press (all units, pages 316 to 357)
- 5 Turning (units 1, 2, 3, and 4, pages 358 to 451)
- 6 Milling (units 1, 2, and 3, pages 467 to 546)

- #2 Center drill
- #4 Center drill
- 1/2" Diameter, 4 flute, double ended, endmill (carbide preferred), (two single ended endmills are also acceptable)
- Edge finder
- 5/16", or 1/4" High speed steel lathe tool bit blanks (quantity: 2)
- A 600 grit EDM stone (1/4" x 1/2" x 6")
- 6" Dial caliper
- Mighty Mag, indicator holder, or a magnetic backplate for your dial indicator
- 0-1" Dial indicator
- Magnetic base indicator holder (Noga Model: NF10433 preferred).
- 6" Steel rule
- Tap guide
- Large tap wrench (1/4" to 1/2" tap capacity), (it should have a center hole in the back of it for alignment purposes)
- 60° Center gauge
- Assorted files with handles
- Carbide tipped scribe
- 115 piece Drill bit set (we recommend purchasing the entire set, but we will only require a 3/16", 27'64", and 29'64" bits for the class project)
- 320, 400, 600 Grit wet/dry polishing paper (2 sheets each)
- Layout dye
- Safety glasses
- Thread pitch gauge
- 6" or 8" Adjustable wrench
- Allen wrench set up to 3/8"
- 4oz Ballpeen hammer
- 18oz to 24oz Deadblow hammer
- Pliers
- Screwdrivers
- Metric Allen wrench set
- Toolbox

Optional:

- Gunsmith pin punch set
- 4oz ballpeen hammer
- Pliers
- Screwdrivers

Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.

Please reach out to learn about student discounts available from certain vendors.

Please feel free to email me at logan.schmit@trinidadstate.edu if you have questions about any of these items.

Introduction to Gunsmithing

\$350 or 2 credit hours

This course will cover operational theory, disassembly and assembly, proper use of hand tools and precision measuring instruments, and an introduction to basic bench work of the Gunsmithing trade. Consideration will be given to minor gun repair and the installation of firearm accessories. A brief study of Federal Firearm Law and record keeping will be included. Students should bring some type of project to work on during lab times under the supervision of the instructor. Students may bring projects related to the scheduled topic outlines. For other projects, please contact the instructor.

Instructor: Ryan Newport

Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

Safety Glasses - OSHA Approved
Screwdrivers - miscellaneous assortment designed to fit gun screws
Small Hammer - 4oz brass or metal
Small pin punches
Metal files - assortment of small and medium metal cutting
File Handles - one to fit each file
Hand Grinder - (suggested but not mandatory)
Cutters for hand grinders - misc. assortment of metal and stones
Dial Caliper - 6"
Steel 6" Rule
3" wide Vise Jaws to protect work - (1/4" plywood lined with cork will do) File Card
Needle Files
Dental Pick
Pliers w/side Cutters

Small tap handle

Hacksaw with medium blade –

Note: any of the above tools can be substituted with a like tool from home. The thing about most gun work is you don't know you will need it until you need it, so you may choose bring extra tools you find handy. All tools listed can be purchased on campus at the Trek-Inn Bookstore or through Brownells, Inc. 200 South Front St., Montezuma, Iowa 50171 Ordering/Tech Support: 800-741-0015

Basic Precision Welding (Welding for Gunsmiths)

\$350 or 2 credit hours

(core class for certificate)

This course will cover basic safety and hands-on instruction to introduce the student to various micro welding practices including small metal fixtures and parts with a small emphasis toward Gunsmith welding. If time allows, other types of welding may be covered by the instructor.

Instructor: Robert Sanchez

Basic Welding Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

2% 3/32" Tungsten

2 of .040 2% Lanthanaated tungsten rods

Safety glasses

Leather gloves for TIG welding

Welding helmet (self-darkening is best)

Cotton shirt

Pliers

Vice Grips

No nylon clothing or jackets

Small bench vise, nothing too big. i.e. drill press vise.

WEEK 2 – June 3-7

Bluing

\$350 or 2 credit hours
(core class for certificate)

In this course we will mainly be covering hot salt bluing as it applies to the firearms industry. This course includes instruction and hands on training in metal preparation, hot bluing, niter bluing, and some alternative finishes such as Parkerizing. Students should supply their own firearms or parts to work on. The focus of this class is to learn quality metal finishing skills, not to blue a large volume of guns. It would be better to end your week with 1-2 exceptional quality projects, rather than several incomplete and lacking quality finishes.

Instructor: Bob Campbell

Tools

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

6" adjustable wrench

Allen wrench set

Aluminum oxide polishing cloth 180, 240, 320, and 400 grits

Assorted files with handles smaller sizes 6" or 8" may be most useful Bench block - we can make this from a hard rubber hockey punch.

Dust mask

Guns to blue

Gunsmith screwdriver set.

Hammer

Long sleeve shirt and pants (Required)

Tall rubber boots or galoshes

Needle nose pliers

Pin punch set

Safety glasses (Required)

Scotch bright pads (Maroon and Gray)

This list reflects minimum requirements. If you have other tools or supplies that maybe useful, bring them because you can never have enough tools.

Advanced Machine Shop
(Core class for certificate)
\$350 or 2 credit hours

This class will provide further instruction and practice on machine tool operation. The students will be instructed in rifle barrel re-barrel techniques as well as some advanced machine shop operations. Projects will vary according to individual interests. **PREREQUISITE: Basic machine shop, Machine Shop 1 from TSC, or consent of instructor.**

Instructor: Logan Schmit

Advanced Machine Shop Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

A finish reamer and headspace gauge set with pilots to match your bore size. A reamer with interchangeable pilots is preferred to ensure the best fit and results from your barrel. If you don't own the chamber reamer and headspace gauges that you plan on using, please contact me at (719) 846-5632 to ensure availability from the Tool Room. An alternative would be to rent a reamer and headspace gauge set from either 4D Reamer Rentals (406) 752-2520 or Elk Ridge Reamer Rentals (541) 471-9161.

- Barrel fitting requires that you provide one pre-contoured barrel, and an action that suits the class project. Please contact me if you have any questions.

- #2 or #3 Center drill
- 1/4", or 5/16" High speed steel tool bits (quality: 2)
- 600 grit EDM polishing stone (1/4" x 1/2" x 6")
- 6" Dial caliper
- Mighty Mag, indicator holder
- 0-1" Dial indicator
- Dial test indicator with 0.0001" resolution (Mitutoyo 513-403-10T)
- Magnetic base indicator holder (Noga Model: NF10433 preferred).
- 6" Steel rule
- 60° Thread center gauge
- Assorted files (with handles)
- Carbide tip scribe
- 115 piece Drill bit set
- 320, 400, 600 Grit wet/dry polishing paper (2 sheets each)
- Layout dye
- Safety glasses
- Thread pitch gauge
- 6" or 8" Adjustable wrench
- Allen wrench set up to 3/8"
- Gunsmithing pin punch set
- Gunsmithing screwdrivers
- 4oz Ballpeen hammer
- Tool box

- Metric Allen wrench set
- Depth micrometer 0-3"
- "2-3/4" Long, 2mm Ball, Carbide Contact Point (MSC Part # 35894229)"

Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.

Tools that are not required, but can be useful:

- Pliers
- 5/8" Shank insertable carbide threading tool (e.g., Iscar SER 0625 F 16) based on the thread pitches required
- Two (2) inserts for the above mentioned threading tool based on the thread pitches required
 - (e.g. Iscar brand: "16ER A 60 IC908" for thread pitches between 48 and 16 TPI)
 - (e.g. Iscar brand: "16ETR G 60 IC908" for thread pitches between 14 and 8 TPI)
 - (e.g. Iscar brand: "16ER AG 60 IC908" for thread pitches between 14 and 8 TPI)
- Assorted endmills
- Precision Machining Technology, Third Edition (ISBN: 978-1-3377-9530-2) is not required, but can be a beneficial reference.

Please reach out to learn about student discounts available from certain vendors.

Please feel free to email me at logan.schmit@trinidadstate.edu if you have questions about any of these items.

HAT MAKING with Tom Hirt
Monday-Thursday, June 3-6, 2024
\$325
Continuing Ed only-not for college credit

Students will learn to use the equipment and techniques to make a hat with products that most people have or can readily get from home. Students will learn how to shape the hat by hand, ironing of the brim, sizing and hand cutting of the brim, hand pouncing and hand finishing the crown. If time allows, the class may touch on hat binding and trim by hand. Students will leave class with a completed hat and the skills needed to practice what they learned at home and make additional hats with supplies they have on hand. Tom will provide a hat box with all the tools and materials needed for each student. This class has some downtime while waiting for processes to complete. To fill this time, students may bring a hat in need of repair and/or plan to make a second hat as time permits.

Instructor: Tom Hirt

Tool/Supply list

Students will need to register no later than April 26th in order for Tom to get the materials he will need for the class. Students should contact Tom at the number above to get a complete list of other supplies [at students'

expense] they need to bring and provide their hat size for ordering the block, etc. Students will reimburse Tom for the cost of supplies and should contact him for pricing and to provide hat size information.

PLEASE BE AWARE, YOU WILL NEED TO BE PREPARED TO PAY TOM FOR THE SUPPLIES FOR THE CLASS ON THE FIRST DAY OF CLASS. DUE TO THE RISING COST OF MATERIALS, THE PRICE FOR 2024 IS \$750. IT IS POSSIBLE THIS AMOUNT COULD GO UP WHEN WE GET CLOSER TO THE TIME OF THE CLASS DUE TO INFLATIONARY PRESSURE.

WEEK 3 June 10-14

GUN SIGHT and SCOPE INSTALLATION
\$350 or 2 credit hours

This course covers the installation of sights on barrels for rifles, handguns or slides on pistols. The class will cover drilling and tapping, silver solder, and cutting dovetails for sights. We will discuss measuring the barrel to determine the correct height of the sights. Drilling and tapping actions for scopes, mounting scopes and bore sighting.

Bring your projects that you will be installing sights on, as well as the sights to be installed. Experience using a drill press or milling machine is a plus, but not mandatory.

Sight Installation Topics:

Covers installation of barrel-mounted sights

Drilling and tapping barrel

Sight height (finding the correct height)

Front & rear ramped sights

Aperture sights

Pistol sights

Revolver sights

Adjusting for elevation

Use of jigs for installation

For additional information or questions, call 719-846-5724 to be directed to the instructor.

Brownells has a sight height calculator on their website. Which will help determine the correct height of sight to order for your project.

Instructor: Bob Campbell

Tools and Supplies

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

Firearm

Sights to be installed

Scope

Rings and bases

Safety glasses (OSHA approved)

Taps (6-48 and 8-40)

#31 drill

#28 drill

Hand Tools

Gunsmith screw drivers

Tape measure, 6 ft. minimum

Allen wrenches

6" steel ruler

Safety glasses

Torx bit set

Scribe

6" dial or digital caliper

Grease pencil

Small machinist level

Soft jaws, optional, but good to have – recommend Wagner

Tool box or bag

Action Blueprinting

\$350 or 2 credit hours

Focuses on the study of the necessary modifications to convert the standard bolt action into a varmint, bench rest, or match rifle action. Emphasizes the re-machining of the main line and lock up areas of the action. These operations create a straight action concentric to its bore. Lab work will consist of building specialized tools and fixtures and re-machining of actions and bolts.

Prerequisite – Basic and Advanced Machine Shop or Machine I at TSJC

Instructor: Logan Schmit

Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

Remington 700 action or another action (with prior approval of the instructor)

Pre contoured barrel of choice.

One factory recoil lug, an aftermarket lug is also acceptable (only required for actions that need a separate lug)

Reamers of most standard SAAMI spec. Calibers are available at the TSJC tool room for your use. If you have specific dimensions you are trying to meet it is best that you buy or rent a reamer and headspace gauge to meet your needs. Various manufacturers offer discounts to our students.

6" quality dial caliper.

1" quality micrometer.

Depth micrometer 0 – 3"

Tap guide

Small tap wrench (#0 to 1/4" tap capacity), (it should have a center hole in the back of it for alignment purposes)

1.5 to 5mm Allen Wrench Set (or equivalent)

Two 1/4" high speed steel lathe bit blanks.

One 5/16" high speed steel lathe bit blank.

Calculator and notepad.

Thread pitch gauge

One set of thickness gauges (only required if you are working on an action with a cone breech)

Set of hex wrenches .050 to 3/8.

1" dial indicator (0.001" or .0005" resolution)

Dial test indicator (.0001" resolution)

Magnetic base indicator holder (Noga Model: NF10433 preferred).

Mighty mag, indicator holder or a magnetic backplate for your dial indicator

Boring bar with 1/2" minimum bore, 1.250" to 1.5" max bore depth, (similar to MSC #08062093)

9/64" Diameter endmill (to enlarge the scope base screws on a Remington 700 to 8-40)

One 8-40 taper, or plug tap (to enlarge the scope base screws on a Remington 700 to 8-40).

A boring bar with a minimum bore diameter of 3/8" and a max depth of cut compatible with the cartridge that you are planning to ream. As an example, MSC # 05253489 would be workable for chambers with a case head to shoulder length of less than 2". Other bars are acceptable as well. If you have any questions about this, please contact me.

Safety glasses.

Please call me if you have questions about any of these items.

****PLEASE NOTE, JUNE 19TH IS A COLORADO STATE HOLIDAY. CLASSES WILL RUN FROM 7:30 A.M. TO 6:00 P.M. MONDAY, TUESDAY, THURSDAY, AND FRIDAY THIS WEEK** (30-MINUTES LUNCH)**

Introduction to Gunsmithing for Veterans

Class is free – limited to 10 students

This class is being offered to honorably-discharged military veterans or retirees and active-duty military personnel. Applicants will need to provide a copy of their active military or retiree ID card or DD 214. Current Gunsmithing students or Gunsmithing alumni are not eligible for this class – class is open only to first-time Gunsmithing students.

Because the class is not offered for college credit, the GI Bill will not cover tools. Students will be responsible for providing their own tools/supplies as listed below.

The class is limited to 10 students on a first-come, first-served basis.

This course will cover operational theory, disassembly and assembly, proper use of hand tools and precision measuring instruments, and an introduction to basic bench work of the Gunsmithing trade. Consideration will be given to minor gun repair and the installation of firearm accessories. A brief study of Federal Firearm Law and record keeping will be included. Students should bring some type of project(s) to work on during lab times under the supervision of the instructor. Students may bring projects related to the scheduled topic outlines. For other projects, please contact the instructor.

Instructor: Howard Massingill

Introduction to Gunsmithing Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

Safety Glasses - OSHA Approved

Screwdrivers - miscellaneous assortment designed to fit gun screws

Small Hammer - 4oz brass or metal

Small pin punches

Metal files - assortment of small and medium metal cutting

File Handles - one to fit each file

Hand Grinder - (suggested but not mandatory)

Cutters for hand grinders - misc. assortment of metal and stones
Dial Caliper - 6"
Steel 6" Rule
3" wide Vise Jaws to protect work - (1/4" plywood lined with cork will do)
File Card
Needle Files
Dental Pick
Pliers w/side Cutters
Small tap handle
Hacksaw with medium blade –

Note: any of the above tools can be substituted with a like tool from home. The thing about most gun work is you don't know you will need it until you need it, so you may choose bring extra tools you find handy. All tools listed can be purchased on campus at the TSC Bookstore or through Brownells, Inc. 200 South Front St., Montezuma, Iowa 50171 Ordering/Tech Support: 800-741-0015

Alternative Finishes **\$350 or 2 credit hours**

This class will explore some of the more common, non-traditional, finishes used in our industry. These will include Parkerizing and KG- Gun Kote (both oven and air cured). Two-three project guns would be sufficient for this class. We will also have pieces available to practice on if there is a finish that you would like to learn, but not put on your own firearm. Metal insulated cups also make good practice pieces.

Instructor: Bob Campbell

Tool list

Set of punches
Small ball peen hammer
Various hand tools for disassembling firearms
12, 220, 240, 320 grit aluminum oxide, cloth backed polishing paper (10 yards each)
Personal respirator, approved for painting applications
Safety glasses
1 box (100) latex disposable gloves in your size
Assorted small 6-10 files in smooth to bastard cut
Heat resistant tape (Good to 150 degrees Fahrenheit)
Heat resistant vinyl stencils if you plan to do a pattern or design (Good to 350 degrees Fahrenheit)
Pencil, paper, ruler, marker, and layout tools
1 gallon of Acetone
Touch up automotive spray gun, 4 oz cup gravity fed, of good quality. It is better to practice with your own gun. Ingersoll Rand 200G at about \$65.00 or something comparable is a good starting point.

Airbrush (optional)

KG-Gun Kote in any colors that you would like to use. For stocks and polymers we suggest using the 1200 Series (Air cured) or the KG-180 low temp additive for the 2400 and 2500 series. We do not have time to order and get the product during the class so you will need to get them before the class.

If you have any questions about projects to be worked on, please feel free to contact the instructor at robert.campbell@trinidadstate.edu

Barreling Precision Rifles **\$350 or 2 credit hours**

The primary focus of this class will be to complete a barreled action that will be ready for you to apply a final finish of your choice and to install in the chassis or mini-chassis that you have selected.

Basic familiarity with lathes, mills and an elementary concept of threading would be helpful to complete your project within the allotted time.

We will be discussing shop safety, a fundamental overview of measuring tools, different actions common to Precision Rifles, strategies to determine correct headspace, methods of barrel indication, various chambering techniques, efficient order of operations, timing of breaks and fluted barrels, and finally, custom thread protectors.

Given the wide range of actions from which to choose and individual student goals for each project, a comprehensive parts and tool list is difficult to compile without overlooking something for one possible project, or requesting some items that are surplus to the needs of others.

This concept also extends to the equipment available to accommodate the different setups and techniques of barreling actions that will be demonstrated. If given time to prepare the proper tools and fixtures, most projects can be accomplished with the available machines.

With that said, I would appreciate the opportunity to discuss your project with you before you register for the class. This will ensure compatibility and enable suggestions specific to your individualized needs and goals.

Please feel free to email me at logan.schmit@trinidadstate.edu

Prerequisite – Basic and Advanced Machine Shop or Machine 2 at TSJC

Instructor: Logan Schmit

Barreling Precision Rifles Parts List

An action of your choosing. As mentioned above, I would like to talk with you about your plans for your build before you register, to ensure compatibility of parts and the best results for your project.

If your action uses a separate recoil lug, one would also be required. There are a number of quality aftermarket options available that are already surface ground and ready to be used.

A barrel from a quality manufacturer in the caliber and contour of your choosing. Starting with a barrel that is at least 26" in length will simplify the initial setup. The final length of your barrel is flexible (within federal regulations).

If you're interested, a muzzle break with threads compatible with your selected barrel contour. A good rule of thumb is that the barrel should be at least .100" larger in diameter at the shoulder of the muzzle threads than the nominal thread diameter.

A trigger, scope, rings/base, and chassis/stock will be needed to finish the project, but not required for the class.

Tool List

Safety Glasses

Toolbox of your choosing

5/8" shank insertable carbide threading tool (e.g., Iscar: SER 0500 F16)

(2) Inserts for the above mentioned threading tool based on the thread pitches required

(e.g., Iscar brand: 16ER A 60 IC908 for thread pitches between 48 and 16 TPI)

(e.g., Iscar brand: 16ER G 60 IC908 for thread pitches between 14 and 8 TPI)

(e.g., Iscar brand: 16ER AG 60 IC908 for thread pitches between 48 and 8 TPI)

(2) 3/8" High speed steel tool bit blanks (1/2", or 5/8" shank insertable turning tools are an optional substitution; at least one should have an insert point radius of .005" or less. If you were to only have one insertable turning tool, I would recommend a "NKLCR0805V" with "KCGX110301R15, grade KC5010" inserts).

1/4" High Speed Steel tool bit (to grind a crowning bit).

A boring bar with a minimum bore diameter of 3/8" and a max depth of cut compatible with the cartridge that you are planning to ream. As an example, MSC# 05253489 would be workable for chambers with a case head to shoulder length of less than 2". Other bars are acceptable as well. If you have any questions about this, please contact me.

A finish reamer and headspace gauge set with pilots to match your bore size. A reamer with interchangeable pilots is preferred to ensure the best fit and results from your barrel. If you don't own the chamber reamer and headspace gauges that you plan on using, please contact me at (719)-846-5632 to ensure availability from the Tool Room. An alternative would be to rent a reamer and headspace gauge set from either 4D Reamer Rentals (406)-752-2520, or Elk Ridge Reamer Rentals (541)-471-9161.

The Tool Room has a limited number of floating reamer holders available for use during summer classes, they are on a first come, first served basis. Therefore, purchasing one of your own is optional, but recommended. I have always used a JGS Floating Reamer Holder for 7/16" reamer shanks with a #3 Morris Taper Arbor.

Mighty Mag, indicator holder.

0-1" Dial Indicator

Magnetic base indicator holder (Noga model NF 10433 preferred).

Dial Test Indicator with 0.0001" resolution (Mitutoyo 513-403-10T)

2-3/4 long, 2mm ball, carbide contact point (MSC Part # 35894229)

6" Caliper

0-3" Depth Micrometer

Pin Punch Set

Bench block

4oz Ballpeen Hammer

Layout Dye

6" Smooth File with handle

60 Degree Thread Center Gauge

Thread Pitch Gauge (Unified National Standard)

.050" to 3/8" Allen Wrench Set

320, 400, 600 Grit Wet/Dry Polishing Paper (2 sheets each)

A 600 Grit EDM Stone (1/4" x 1/2" x 6")

1.5 to 5mm Allen Wrench Set (or equivalent).

6" or 8" adjustable wrench

115 piece Drill Bit Set is preferred if available. (Otherwise a stub length drill bit that is .040" under the shoulder diameter of the cartridge you are planning to ream is acceptable.)

A one foot length of 5/16" diameter brass rod. (We will use this to make a chamber polishing tool, please try to get a piece without nicks or dings.)

A three foot length of 1/8" brass rod.

A bag of cleaning patches to match your bore size.

A bag of cotton balls.

A box of Q-tips.

OPTIONAL DEPENDING ON YOUR PROJECT, OR GOALS:

0-1" Micrometer (Helpful if your action requires a separate recoil lug.)

Thread Pitch Gauge (Metric)

T10 to T30 Torx Wrench Set

Thickness Gauge (Necessary if your action features a cone breech.)

A Tap matching your desired muzzle thread pitch, in class GH3 (Necessary if you plan on making a thread protector).

Endmills or woodruff key cutters would be necessary if your action requires an extractor cut in the barrel.

Please contact me for individualized tool recommendations for your specific project.

Reloading A-Z

\$350

Continuing education only – not for college credit

This class will address all facets of reloading from the basics to the most advanced techniques. Students should bring their own equipment if convenient and instructor will concentrate on precision reloading long range preparation, but not limited to that. We will look at Exterior Ballistics and how bullet shape can influence accuracy. Plus we will follow an informal format trying to be open to all pertinent questions.

This class is intended for beginner-level reloaders and is limited to 10 students.

Instructor: Rich Machholz

Reloading A-Z Tool List

Current reloading manual

1" Micrometer (optional)

6" Calipers

Reloading dies for your caliber of choice.

Bullets for their caliber of choice.

Powder for your caliber of choice.

Primers for your caliber of choice.

Brass for your caliber of choice.

Pad of engineering paper and writing instrument

Reloading tray

Front rest and or appropriate front and rear bags

Bore cleaning equipment

proper eye and ear protection

Rifles or Pistols to check for problems, proper function, and to shoot later in the week providing the weather is good.

Damascus Billet Making

\$350

Continuing education only – not for college credit

This class is a hands on class for the students. This class will be focused on the making of Damascus (pattern welded) steel for use in gun hardware and knife blades. Each student should finish the class with at least one billet of Damascus steel to take home.

This focus of this class is to teach "dry welding" technique, that is the making of Damascus steel using no flux. This approach provides steel of much greater consistency and strength. We will be using gas forges to weld our steel not coal. Subjects covered will include: Dry vs. Wet forge welding, steel selection, tool selection, use of power equipment such as power hammers and forging presses, pattern development, heat treating and etching.

Instructor: Steve Rollert

Tool list

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

Students will pay the instructor \$30 per billet for the raw steel at the time of the class

- ☐ Safety glasses
- ☐ Respirator either dust mask or double filter (preferred)
- ☐ Work apron
- ☐ Baseball or other brimmed hat
- ☐ Hearing protection
- ☐ Welding gloves
- ☐ One pair large vice grips
- ☐ Hammers - cross pein and ball pein of about 1.5 to 2.5 pound in weight
- ☐ Grinding belts - 2 each in 36-40, 60, 220, 400 grit - Zircon or ceramic recommended but aluminum oxide is acceptable but will not wear as long, size: 2 inch by 72 inch in length

Please bring a refillable water bottle since we will be working around hot forges in June

Lever Action Rifles
\$350 or 2 credit hours

This course focuses on the philosophies of advanced lever action modification, metallurgy, stress, strength, and the design and theory of barrel gauging and lapping. Covers barrel, magazine, and forend fitting for accuracy, action tuning for reliability and ease of operation, and sight installation and advanced sight-in procedures. Provides the opportunity to do stock work and finishing.

Instructor: Howard Massingill

Tool List for the Lever gun class: (Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

1. A lever gun, preferably one that works. Marlin, Winchester, Henry, Savage and their variants are acceptable.
2. Basic hand tools, preferably of gunsmith quality, especially the screwdrivers for the disassembly of your lever gun. A small brass hammer and drift punches. Ammunition for test firing your firearm at the range on Friday (if time allows) Note- Ammunition is NOT allowed in the classroom.
3. If you plan on stock refinishing, bring 60, 120, 180, 240, 320 and 400 grit paper, along with stock finishing products.
4. Safety Glasses and Hearing protection for the range on Friday.

GUNSMITHING TOOLS – Sako Extractor Jig/Headspace Tool
\$400 or 2 credit hours
Class is limited to 8 students

This class discusses the construction of tools and fixtures in general, as well as the manufacture of either a Sako extractor jig, or a headspace checking tool (depending on your experience, you may not have time for both). Consult with the instructor to determine if other, or additional, projects will fit within the scope of the class. **PREREQUISITE: Basic Machine Shop, Machine Shop 1 (from TSC), or the consent of the instructor.**

Instructor: Logan Schmit

Tool list:

Tools specifically for the Sako extractor jig

- 1/2" Diameter, 4 flute double ended, endmill, (carbide preferred), (two single ended endmills are also acceptable) (only required for the Sako extractor jig)
- 3/16" Diameter, carbide endmill, with a 5/8" length of cut (only required for the Sako extractor jig)
- 3/8" diameter, carbide endmill, with a 1" length of cut (only required for the Sako extractor jig)
- 1/4" 90° Chamfer mill (is **not required**, but can add a decorative touch) MSC #09550724 (only used for the Sako extractor jig)

Tools specifically for the headspace tool

- 1/4" or 5/16" size, High speed steel lathe tool bit blanks (qty: 2), (only required for the headspace tool)
- 3/8" chucking reamer, or one that matches the stem diameter of your 2" travel dial indicator, similar to MSC #02310241 (only required for the headspace tool)
- 1/2" Diameter shank boring bar (with a max bore depth of around 3") similar to MSC #78058096 (Carbide shank insertable bars are acceptable as well, and can be found at reasonable prices online. If you are selecting this option, a total length of around 4" is preferred and be sure to have a proper insert, or two, for the bar) (only required for the headspace tool)
- Indexable carbide shank boring bar (with a minimum bore diameter of less than 3/8", and a max bore depth of around 3") similar to MSC #42639997, with an insert similar to MSC #74161464. (Other carbide shank insertable bars are acceptable as well, and can be found at reasonable prices online.) be sure to have a proper insert, or two, for the bar) (only required for the headspace tool)

Required Tools, Regardless of the Project

- #3 or #4 Center drill
- 6" Dial caliper
- Mighty Mag, indicator holder
- 0-1" Dial indicator
- Dial test indicator with either 0.0005", or 0.0001", resolution
- Magnetic base indicator holder (Noga Model: NF10433 preferred).
- Edge finder
- 6" Steel rule
- Tap guide (similar to MSC #95267472)
- Tap wrench (similar in size to a Starrett brand, model 93B), (it should have a center hole in the back of it for alignment purposes)
- Assorted files with handles (if you only bring one, a 6", single cut, smooth file with handle is preferred)
- Carbide tip scribe
- 115 Piece drill bit set
- 320, 400 Grit wet/dry polishing paper (2 sheets each)
- Layout dye

- Safety glasses
- 6" or 8" Adjustable wrench
- Allen wrench set up to 3/8"
- 18oz to 24oz Deadblow hammer
- Pliers
- Tool box
- Precision Machining Technology, Third Edition (ISBN: 978-1-3377-9530-2) is not required but can be a beneficial reference.

Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.

Sako extractor jig material list:

- 1-3/4" x 2" x 5-1/4" The metal composition is up to the student. (Stainless, low/medium/high carbon, or Tool steel – should be annealed and stress free)

Headspace tool material list:

(this amount of material allows the fabrication of one tool, if you are interested in creating multiple tools in different sizes, please multiply by the number you are planning on making)

- 1-1/4" x 3" Round steel, stainless or low carbon (if you are constructing a tool for large tenon barrels, with a major diameter greater than 1.100, you may consider 1-3/8" x 3")
- 0-2" Dial indicator, 0.001" resolution, (continuous face preferred)
- 3/8" diameter, flat contact point (compatible with your 2" indicator)
- 10-24 x 1/4" long, nylon tipped, set screw, qty: 1

Please reach out to learn about student discounts available from certain vendors.

Accurizing the 1911
\$400 or 2 credit hours

In this course we will cover fit of a national match barrel and barrel bushing, fit of ambidextrous safeties, fitting grip safeties, disassembly, parts nomenclature, re-assembly, cycle of operation, and trouble shooting.

Instructor: Ryan Newport

Tool List

Depth micrometer if you have one (optional).

1. Cleaning rod and patches for 45 Auto
2. Roll of 1" wide (approximately) masking tape
3. Safety glasses with side shields
4. Shop towels (Minimum of 2 rolls)
5. Black magic marker
6. Small high intensity flashlight
7. Bench mat
8. Ball Peen Hammer, 4oz.
9. Nylon/Brass Hammer
10. Pin Punch 5/32"
11. Tools that you need to disassemble your 1911
 - a) Tools to remove grips (Screwdriver, Allen or Torx)
 - b) Barrel Bushing Wrench, Non Marring
 - c) Pin Punches (1/16", 1/8", 3/32")
 - d) Screwdriver or Allen wrench for Mag Catch Lock
 - e) Tweezers, 4-6"
12. Variable speed Dremel Tool (plug in model, no cordless models) with the following accessories:
 - a. 1/4" round stone medium coarseness
 - b. 2- 1/2" felt buffing wheels
 - c. 2- 1/4" felt buffing wheels

Parts List

All first-time pistolsmithing students will start with a complete and functioning 4" or 5" 1911 in 45 ACP or 9MM. If you choose to use a lower quality import you may or may not run into unknown troubles. NO ramped barrels will be cut and fit in the first-time class.

Suggested 1911's:

Springfield GI, Ruger, Remington

A standard 1911 will do fine, we will be fitting barrels, fire control, bushing, sights if you choose, and tightening the slide and frame.

Barrel must be oversized gunsmith fit match. I recommend the following but other will do fine:

Kart, Storm Lake, Barstow, Nolan

Bushing: Ed Brown, EGW

Link Kit: Any 5 part link kit will do

Link Pin

Fire Control I recommend the following: Cylinder and Slide, EGW but it is personal choice
Thumb Safety if desired

Suggested Tools:

Brownells Lug Fitting Kit 080-000-089WB

Brownells Barrel Locking Lug File 080-751-000WB

Basic Bladesmithing

\$350

Continuing Education only – not for college credit

This class will cover the forging and grinding of both full and hidden tang blades to shape. We will cover steel selection, tool considerations, different forging approaches, several heat treating techniques, and basic finishing techniques.

Instructor: Steve Rollert

Tool list

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

- ☐ Safety glasses
- ☐ Respirator either dust mask or double filter (preferred)
- ☐ Work apron
- ☐ Baseball or other brimmed hat
- ☐ Hearing protection
- ☐ Welding gloves
- ☐ One pair large vice grips
- ☐ Hammers - cross pein, and ball pein of about 1.5 to 2.5 pound in weight
- ☐ Grinding belts 2 each in 60, 220, 400 grit, zircon or ceramic recommended but aluminum oxide is acceptable, but will not wear as long, size: 2 inch by 72 inch in length.

Please bring a refillable water bottle since we will be working around hot forges and in June weather. Steel is provided by the instructor for a fee payable at the time of the class.

July 1-5

NO CLASSES THIS WEEK

WEEK 6 July 8-12

Gunsmithing Hand Tools
(Benchmetal Hand Tools and Metallurgy)
\$350 or 2 credit hours
(core class for certificate)

One of the greatest skills a gunsmith can have is the ability to do fine hand work. In Gunsmithing Hand Tools, we will be covering not only use of hand tools, but how to make your own high-quality tools, such as chisel and screwdrivers. We will also be working on basic metallurgy including steel identification, and selection, forging, soldering, brazing, and heat treating. The tools that we will be covering are based on what would be found in just about every gun shop across America, from major manufactures to home hobby shops. These tools include the use and care of files, vises, torches, hammers, pliers, and some power tools such as drill presses and belt sanders.

Instructor: Fred Weisenborn

TOOL LIST

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

1. Safety glasses (required)
2. Pants (required)
3. Gloves
4. 1 lb to 3 lb hammer for forging (example: ball-peen or cross peen hammer)
5. Blacksmith tongs or vise-grips to hold 1/2" round stock and 1/4" stock
6. Hacksaw with extra blades
7. Tape measure
8. Ruler
9. Black permanent marker
10. Metal scribe

11. File card & brush
12. Assortment/variety of files- Magicut files are good (example: 6" mill bastard cut, 8" mill bastard cut, 12" mill bastard cut)
- ***Must have: 6" mill bastard cut 10" round rat tail, 10" mill bastard cut, 14" half round second cut, 8" half round mill bastard or comparable***
13. Aluminum oxide sand paper 80, 120, 180, 240, 320 grit CLOTH BACKED! shop rolls or sheets- Norton and 3M brands are good
14. Telescoping magnetic pickup tool
15. Pliers- needle nose and standard utility
16. Soft vise jaws (example: Bessey- non-marring vise jaws from Home Depot)
17. 2 pieces of SPENT!! bottle neck cartridge brass (example: 30-06)
18. Torch glasses or goggles for oxyacetylene cutting/welding
19. 6" adjustable wrench

-This list reflects minimum requirements. If you have other tools or supplies that maybe useful, bring them because you can never have enough tools.

Optional Tools

1. Propane or MAP Gas Torch

Basic Machine Shop **\$350 or 2 credit hours** **(Core Class for Certificate)**

Incorporates instruction and hands-on experience in machine tool operation. Focuses on experience with the drill press, metalworking lathe, and milling machine in the manufacture of parts and tools. Enrollment is limited to 14 students.

Instructor: Logan Schmit

Basic Machine Shop Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

- (Required) Precision Machining Technology, Third Edition (ISBN: 978-1-3377-9530-2)
- It is highly recommended you purchase this book with enough time to read the following before the class. It will improve your understanding and increase your retention of the material presented during the course.
- 3 Job Planning, Benchwork and Layout (units 5 and 6, pages 286 to 315)
- 4 Drill Press (all units, pages 316 to 357)
- 5 Turning (units 1, 2, 3, and 4, pages 358 to 451)
- 6 Milling (units 1, 2, and 3, pages 467 to 546)
- #2 Center drill
- #4 Center drill

- 1/2" Diameter, 4 flute, double ended, endmill (carbide preferred), (two single ended endmills are also acceptable)
- Edge finder
- 5/16", or 1/4" High speed steel lathe tool bit blanks (quantity: 2)
- A 600 grit EDM stone (1/4" x 1/2" x 6")
- 6" Dial caliper
- Mighty Mag, indicator holder
- 0-1" Dial indicator
- Magnetic base indicator holder (Noga Model: NF10433 preferred).
- 6" Steel rule
- Tap guide
- Large tap wrench (1/4" to 1/2" tap capacity), (it should have a center hole in the back of it for alignment purposes)
- 60° Center gauge
- Assorted files with handles
- Carbide tipped scribe
- 115 piece Drill bit set (we recommend purchasing the entire set, but we will only require a 3/16", 29'64", and 29'64" bits for the class project)
- 320, 400, 600 Grit wet/dry polishing paper (2 sheets each)
- Layout dye
- Safety glasses
- Thread pitch gauge
- 6" or 8" Adjustable wrench
- Allen wrench set up to 3/8"
- 4oz Ballpeen hammer
- 18oz to 24oz Deadblow hammer
- Pliers
- Screwdrivers
- Metric Allen wrench set
- Toolbox

Optional:

- Gunsmith pin punch set
- 4oz ballpeen hammer
- Pliers
- Screwdrivers

Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.

Please reach out to learn about student discounts available from certain vendors.

Please feel free to email me at logan.schmit@trinidadstate.edu if you have questions about any of these items.

Single Action Revolver Modifications (Tuning)
\$350 or 2 credit hours

In this course we be working on Colt style single action revolvers and Ruger single action revolvers. We will explore the cycle of operations and timing of each and how to perform a complete action job, this will reduce the trigger pull weight along with cleaning up the entire feel of the action.

Instructor: Ryan Newport

Required Tools

A working Ruger, Colt, or Colt style single action revolver.

A set small screwdrivers for disassembly of your revolver

Safety glasses

Small brass hammer

Ceramic stone set-Brownells 080-721-000WB

A set of replacement performance springs from Wolff or another reputable spring company for your particular make and model of revolver.

Ammunition for test firing at the range on Friday along with eye and hearing protection

WEEK SEVEN July 15-19

ADVANCED MACHINE SHOP
\$350 or 2 credit hours
(Core class for certificate)

This class will provide further instruction and practice on machine tool operation. The students will be instructed in rifle barrel re-barrel techniques as well as some advanced machine shop operations. Projects will vary according to individual interests. **PREREQUISITE: Basic machine shop, Machine shop 1 from TSC, or consent of instructor.**

Instructor: Logan Schmit

Advanced Machine Shop Tool List

(Please keep in mind that the tools suggested for each class are the minimum tools you should bring. Please feel free to bring any additional tools you feel you may need)

A finish reamer and headspace gauge set with pilots to match your bore size. A reamer with interchangeable pilots is preferred to ensure the best fit and results from your barrel. If you don't own the chamber reamer and headspace gauges that you plan on using, please contact me at (719) 846-5632 to ensure availability from the Tool Room. An alternative would be to rent a reamer and headspace gauge set from either 4D Reamer Rentals (406) 752-2520 or Elk Ridge Reamer Rentals (541) 471-9161.

- Barrel fitting requires that you provide one pre-contoured barrel, and an action that suits the class project. Please contact me if you have any questions.

- #2 or #3 Center drill
- 1/4", or 5/16" High speed steel tool bits (quality: 2)
- 600 grit EDM polishing stone (1/4" x 1/2" x 6")
- 6" Dial caliper
- Mighty Mag, indicator holder
- 0-1" Dial indicator
- Dial test indicator with 0.0001" resolution (Mitutoyo 513-403-10T)
- Magnetic base indicator holder (Noga Model: NF10433 preferred).
- 6" Steel rule
- 60° Thread center gauge
- Assorted files (with handles)
- Carbide tip scribe
- 115 piece Drill bit set
- 320, 400, 600 Grit wet/dry polishing paper (2 sheets each)
- Layout dye
- Safety glasses
- Thread pitch gauge
- 6" or 8" Adjustable wrench
- Allen wrench set up to 3/8"
- Gunsmithing pin punch set
- Gunsmithing screwdrivers
- 4oz Ballpeen hammer
- Tool box
- Metric Allen wrench set
- Depth micrometer 0-3"
- "2-3/4" Long, 2mm Ball, Carbide Contact Point (MSC Part # 35894229)"

Please note that this list is bare minimum. If you have other tools or supplies that may be useful, bring them. You can never have too many tools.

Tools that are not required, but can be useful:

- Pliers
- 5/8" Shank insertable carbide threading tool (e.g., Iscar SER 0625 F 16)
based on the thread pitches required
- Two (2) inserts for the above mentioned threading tool based on the thread pitches required
(e.g. Iscar brand: "16ER A 60 IC908" for thread pitches between 48 and 16 TPI)

(e.g. Iscar brand: “16ETR G 60 IC908” for thread pitches between 14 and 8 TPI)

(e.g. Iscar brand: “16ER AG 60 IC908” for thread pitches between 14 and 8 TPI)

- Assorted endmills

- Precision Machining Technology, Third Edition (ISBN: 978-1-3377-9530-2) is not required, but can be a beneficial reference.

Please reach out to learn about student discounts available from certain vendors.

Please feel free to email me at logan.schmit@trinidadstate.edu if you have questions about any of these items.

BROWNELLS AR-15 ARMORER, CUSTOMIZING, AND BUILD CLASS

\$350

Continuing Education only – not for college credit

The object of this course is to not only familiarize the student with the AR-15 weapons format, but to give the student an opportunity to build a rifle with parts they supply and bring to class. Instruction will include functioning, disassembly of main and subgroups and reassembly, headspacing, troubleshooting and function testing tips, and the use of many of the tools available. Also covered will be some different cartridge offerings in the AR-15 format. The .308 AR will also be covered and the different manufacturers and the compatibility between them discussed.

Students are encouraged to bring all the parts for a complete build or in various states of assembly for completion during the class, or their own firearms as a whole rifle and bring any parts they may wish to use to customize it. The build and customization part of the course will be dependent on what the student brings. We will not have any firearms for the student to work on.

Instructor: Dean Batchelder

AR-15 TOOL LIST

Safety glasses If you have purchased a handguard to install on your AR, and it comes with or uses a proprietary barrel nut wrench, please bring the wrench needed.

You can bring your own tools, but the instructor will have tools that the students can use such as punches, armorer wrenches, vise blocks, disassembly/reassembly tools, torque wrenches, and such. This enables the student to try the various tools and then they can decide what tools will work best for them before purchasing. No tools will be for sale at the class.

You may contact Dean if you want suggestions as to what parts to get for a build, but you will be responsible to choose and purchase the items for the build, as there will not be a kit that has everything you need available.

TSJC 2024 Summer Non-Credit Course Registration Sheet
(Please write legibly)

Date _____ Name _____

Student # or SS # _____

Please provide a valid Student ID# or Social Security #

Mailing Address _____

City _____ State _____ Zip code _____

Date of Birth _____ Email _____

Best Phone Number _____ Emergency Contact Phone _____

Emergency Contact Name and Relationship to you _____

Please type in the name of the class you intend to take in the line next to the week it occurs

Week 1 – May 27-May 29 _____ X if for credit _____

June 1-2 Weekend Machine Lab \$150 Sat/Sun 8-5 check if taking ☐

Week 2 –June 3-7 _____ X if for credit _____

Week 3 - June 10-14 _____ X if for credit _____

Week 4 – *June 17-21 _____ X if for credit _____

Week 5 June 24-28 _____ X if for credit _____

July 3-7 NO CLASSES

Week 6 – July 8-12 _____ X if for credit _____

July 13-14 Weekend Machine Lab \$150 Sat/Sun 8-5 check if taking ☐

Week 7 – July 15-19 _____ X if for credit _____

***Classes the week of June 17th will run on Monday, Tuesday, Thursday and Friday from
7:30 a.m. to 6:00 p.m. with a 30 minute lunch due to Wednesday being a State holiday**

PLEASE CHECK HERE IF YOU INTEND TO STAY IN CAMPUS HOUSING (\$140 PER WEEK) ☐

Please use the tuition given in the course description for each class you take.

There is a once-per-semester registration fee of \$16.30.

Tuition: \$ _____ Reg. Fee \$ 16.30 Campus Housing \$ _____

TOTAL DUE \$ _____ If you are taking classes for credit, we will inform you of your total due before charging your credit card.

Check # _____ PAYABLE TO TRINIDAD STATE COLLEGE (check may be mailed to: Trinidad State College, Attn: Donna Haddow, 600 Prospect Street, Trinidad, CO 81082)

If paying by credit card, please enter your credit or debit card number below before mailing. You may also call

Donna at 719-846-5724 to provide the number over the phone

Credit or Debit card number _____ exp. date _____

PLEASE NOTE THAT YOUR SPOT IN A CLASS IS NOT GUARANTEED UNTIL PAYMENT IN FULL HAS BEEN RECEIVED AND WE HAVE RECEIVED YOUR SIGNED COPY OF THE STUDENT PAYMENT AGREEMENT

If you are not comfortable including a SS# and debit/credit card number and sending electronically, you may complete the rest of the form, return it to Donna, and then call 719-846-5724 with those numbers. If you have taken classes here in the past, we don't need your SS# and can find you in the system based on your date of birth.



Banta - (TBV) - Auto Mechanics, Construction, TSC Facilities Offices, Welding

Berg Admin - (TBERG) - Academic Affairs Office, Admissions, Advising, Business Office, Classrooms, Financial Aid, Human Resources, President's Office, Registrar, Student Services Office, TRiO Office

Boyd Athletic Center - (TBOYD) - Athletic Dept. Offices, Classroom, Weight/Training Room, Athletic Training Room

Davis Science - (TDAVIS) - Classrooms, IT Department, Nursing

Freudenthal Library - (TLIB) - Under Renovation/Off-line 2023-2024

Huggins Hall - Residence Hall

Johnson Hall - Residence Hall

Latuda Hall - Adult Education Services, GED Testing

Massari Theatre - (TMC) - Performance Arts Classes, Theatre

Mullen - (TMULL) - Cosmetology, Gunsmithing

O'Connor Hall - Residence Hall

Romero Hall - Residence Hall Off-line 2023-2024

Sanders Field - Intramural Field

Scott Gym - Coaches Offices, Gymnasium, Physical Education Classroom

Student Center - Computer Lab, Game Room, Student Activities, TV Lounge

Sullivan Center - (TSSC) - Bookstore, Cafeteria, Classroom, Leone Lounge, Pioneer Room

APPENDIX A

STUDENT PAYMENT AGREEMENT



STUDENT FINANCIAL RESPONSIBILITY AGREEMENT

This Agreement is made by and between you and the Colorado Community College System, including Arapahoe Community College, Community College of Aurora, Community College of Denver, Colorado Northwestern Community College, Front Range Community College, Lamar Community College, Morgan Community College, Northeastern Junior College, Otero College, Pueblo Community College, Pikes Peak State College, Red Rocks Community College, Trinidad State College, and the System Office, hereinafter collectively referred to as the “College”.

I agree that at registration, all tuition, fees, and other associated costs will be added to my account, and I accept full responsibility to pay my account by the payment deadline.

The College is able to accept payment on your student account by check, money order, and most major credit cards.

Deferred payment plans and third party payer authorizations may also be available upon checking with the College. The College reserves the right to terminate a payment plan at any time and demand immediate payment. Payments made to your student account through the Office of Financial Aid will be applied by the State government, the Federal government, or the organization providing the funds. Any excess amount paid to your student account through the Office of Financial Aid will be automatically refunded to you.

I agree that my registration and acceptance of these terms constitutes a financial obligation agreement under federal law.

My acceptance of the Student Financial Responsibility Agreement constitutes a promissory note agreement (i.e., a financial obligation in the form of an educational loan as defined by the U.S. Bankruptcy Code at 11 U.S.C. 523 (a) (8)) in which the College is providing me educational services and deferring some or all of my payment obligations for those services. All outstanding tuition account balances are also considered qualified educational loans subject to future repayment per United States Internal Revenue Code 221, and as such, my student account balance is exempt from discharge under the federal bankruptcy code, 11 USC (USC) § 523(a)(8). I understand this means my obligations are not dischargeable in Bankruptcy.

I agree to regularly monitor my online student account for billing statements and keep my contact information up to date I am responsible for keeping the College records up to date with my current physical address, email addresses, and phone numbers by notifying my College’s

Registrar's Office in writing. Upon leaving the College for any reason, it is my responsibility to provide the College with updated contact information for purposes of continued communication regarding any amounts that remain due and owing to the College. The College may also obtain updated contact information for me from other sources.

I give the College or its agents permission to contact me on any phone number or at any address I provide to the College (or any future phone number or address obtained by the College or its agents from outside sources) regarding my student account(s)/loan(s)

I authorize the College and its agents to use automated telephone dialing equipment, artificial or pre-recorded voice or text messages, and personal calls and emails, in their efforts to contact me. I understand that I may withdraw my consent to call my cellular phone by submitting my request in writing to the College or to the applicable contractor or agent contacting me on behalf of the College.

I agree that technical billing mistakes do not affect my responsibility to pay any amount due. I understand that if I believe there are errors or questions about my student account or I think my student account is inaccurate, I must notify the College immediately.

I agree to drop from a class by the College's deadline or be responsible for all costs associated with the class. I understand that if I do not officially drop from registered courses during the 100 percent tuition refund/credit period as established by my College, I will be responsible for paying the full tuition amount and any other applicable College fees, including, but not limited to room and board, based on the date that I officially withdraw.

I agree to pay any late fees, finance charges, internal/external collection fees, attorneys' fees, returned check fees or other late charges associated with any late payments or returned checks.

If I fail to pay my student account balance each month by the scheduled due dates, the College will assess a late payment fee until the balance is paid in full.

If a payment made to my student account is returned by the bank for any reason, I agree to repay the original amount of the payment plus the applicable returned check fee and other late charges. I understand that multiple returned payments and/or failure to comply with the terms of any payment plan or agreement I sign with the College may result in financial holds and/or financial suspension, which would prevent me from registering for future classes at the College.

I agree that failure to pay amounts due will result in a hold on my student account and prevent me from registering for classes, etc.

I understand and accept that if I fail to pay my student account bill or any money due and owed to the College by the scheduled due date, the following penalties apply at the discretion of the College:

1. Registration for future classes at the Colorado Community College System will not be allowed.
2. My past due account may be referred to the College for collection and the College may assess internal collection fees of up to 40% of the unpaid balance.
3. My past due account may be referred to a private collection agency and the delinquency may be reported to national credit bureaus.
4. If my account is referred to a private collection agency, I will be responsible for reimbursing the College for any and all collection agency costs, expenses, and fees, including reasonable attorney's fees, incurred in such collection efforts. I understand that any collections costs are charged in addition to the principal, fees and interest due on my student account.

I understand that the College, as a State agency, has the authority to intercept State income tax refunds due to me from the State of Colorado for debts owed to the State.

I agree to be bound by any changes to these payment terms as communicated to my student account. I understand that the College will provide notice of such change to me via my student portal and that I will have the opportunity to pay my account in full if I dispute any changes. I further understand that it is my responsibility to ensure that I am aware of any changes, including changes to any and all tuition and fees.

INSTRUCTIONAL FORMAT: During the academic year, some or all of the instructional formats may change due to an emergency situation affecting college operations, public safety, or public health, including a pandemic or other unforeseen circumstances. Tuition and fees are charged at the beginning of the semester and will remain in place regardless of any changes in instructional format. Tuition and fees will not be refunded in the event the curriculum delivery format changes for any part of the academic year.

Students under the age of 18 must complete this Student Financial Responsibility Agreement in paper form with the student and parent signature.

By signing, I hereby acknowledge that I have read and consent to the Student Financial Responsibility Agreement. I agree that I have carefully read this statement, fully understand it, and agree to be legally bound by it.

Student Name: _____ S#:

Signature: _____ Date:

If the above signatory is under 18 years of age, the parent or guardian must also complete the following:

I am the parent or guardian of the student listed above. I hereby acknowledge that I have read and consent to the

Student Financial Responsibility Agreement on behalf of the student. I agree that I have carefully read this statement, fully understand it, and agree to be legally bound by it.

Parent/Guardian Name: _____ Student S#:

Signature: _____ Date:

Relationship to Student: _____