



Pine Technical & Community College

**3 YEARS, 2 CAREERS**

# Gunsmithing and Machining

In just three years, you can earn not one, but two degrees! PTCC's Gunsmithing program is one of few accredited programs in the nation and the only one in Minnesota. Coupled with machining, students will learn the art, design and technical skills of gunsmithing while practicing skills in machining such as welding, CNC, Computer Aided Design and Manufacturing. Providing yourself with a competitive advantage for industry with two degrees, graduates have found employment with firearm manufacturers, military agencies, defense contractors, custom machine shops and self-employment.

## Recommended Course Sequence for Completion in 3 Years

### Fall Semester 1 - First Year

*MTTP 1208 Measuring Tools .....	1
GSTP 1202 Rifle Design.....	3
GSTP 1204 Shotgun Design and Function.....	3
*MTTP 1241 Computer Aided Design (CAD) .....	3
*MTTP 1245 Machine Fundamentals.....	4
*MTTP 1220 Blue Print Reading I .....	2
<b>Total Credits .....</b>	<b>16</b>

### Spring Semester 1 - First Year

GSTP 1217 Firearm Business .....	2
GSTP 1210 Gunsmith Machining (sub for MTTP 1265) .....	4
GSTP 1240 Semi-automatic Design .....	3
GSTP 1250 Handgun Design .....	4
MTTP 1262 Blue Print Reading II .....	2
<b>Total Credits .....</b>	<b>15</b>

### Summer Semester 1 - First Year

ENGL 1276 College Composition .....	4
PHIL 1220 Human Ethics.....	3
<b>Total Credits .....</b>	<b>7</b>

### Fall Semester 2 - Second Year

GSTP 2230 Barreling and Chambering.....	4
GSTP 2280 Riflesmithing .....	3
GSTP 1230 Gunsmith Welding and Metallurgy (sub for WELD 1570).....	3
MTTP 1256 Applied Machining Theory .....	3
COCP 1201 Computer Concepts and Applications .....	2
<b>Total Credits .....</b>	<b>15</b>

\*Check with our Transfer Specialist to determine if any knowledge or skills learned outside of the classroom may qualify for Credit for Prior Learning (CPL) college credit.

### Spring Semester 2 - Second Year

MTTP 1279 CNC Set-up and Operate .....	4
GSTP 2270 Shotgunsmithing .....	3
MTTP 2263 Quality in Manufacturing .....	2
GSTP 2233 Firearm Finishes .....	4
GSTP 2285 Pistolsmithing.....	4
<b>Total Credits .....</b>	<b>17</b>

**Precision Machining Certificate Earned!**

### Summer Semester 1 - Second Year

*MATH 1260 College Algebra or MATH 1256 Mathematical Thinking .....	3
<b>Total Credits .....</b>	<b>3</b>

**Firearm Technician Diploma Earned!**

### Fall Semester 3 - Third Year

MTTP 1261 Computer Aided Manufacturing (CAM) .....	2
MTTP 1277 Machining Processes.....	2
MTTP 2255 CNC Programming .....	5
MTTP 2260 Cutting Tool Technology .....	1
MnTC General Elective .....	3
<b>Total Credits .....</b>	<b>13</b>

**Precision Machining Diploma Earned!**

### Spring Semester 3 - Third Year

GSTP 2267 Stockmaking .....	3
GSTP 2290 Gunsmithing Capstone .....	4
or MTTP 2290 Machining Capstone.....	3
(take one, use for both programs)	
COMM 1100 Introduction to Communication (MnTC Goal Area 1) .....	3
<b>Total Credits .....</b>	<b>9-10</b>

**TOTAL DEGREE CREDITS .....** 95-96

**Gunsmithing & Firearm Technology AAS Earned!**

**Precision Machining Technology AAS Earned!**

[www.pine.edu/apply](http://www.pine.edu/apply)

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