

# Minnesota

## Articulated College Credit Agreement

[www.CTEcreditMn.com](http://www.CTEcreditMn.com)

### Articulated College Credit Agreement

Through Articulated College Credit (ACC), specific college curriculum learning outcomes and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school course. ACC is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed below requiring the course in a specific program.

**Agreement Name:** Cabinetmaking: Power Tool Operation  
**Agreement Reviewed/Revised:** 2023 – 2024

**These credits are valid for students in grades 9-12 for 5 years from the completion of this course.**

College	College Course	College Program	Articulated College Credit
Hennepin Technical College – Brooklyn Park	CBTG 1121 – Cabinetmaking: Power Tool Operation	*Cabinetmaking (A.A.S. – 72 cr.; Diploma - 64 cr.) *Furniture Fabrication (Occ. Cert. – 22 cr.) *Product Fabrication (Occ. Cert. – 20 cr.) *Residential Cabinetry (Occ. Cert. – 22 cr.) *Wood Machining Fabrication (Occ. Cert. – 16 cr.)	3 credits of 5 credits

### Agreement Description

The course is designed to introduce students to the proper and safe operation and maintenance of the basic woodworking power tools and stationary equipment used in the cabinet industry. One or more required projects will be fabricated by the student during the hands-on operation of the tools and equipment covered in this agreement.

### Learning Outcomes

100% of the curriculum learning outcomes will be covered in the high school course(s) by qualified CTE high school instructor(s).

To receive credit, students will master of the following learning outcomes:

1. Analyze stationary power tools
2. Analyze portable power tools
3. Analyze tooling for woodworking equipment

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### Learning Outcomes (Cont.)

4. Maintain woodworking equipment
5. Execute proper machining techniques for solid material
6. Execute proper machining techniques for plywood material
7. Apply machining techniques for woodworking

### Course Grade

Student who earn a grade of **80% or better** in the course(s) qualify for Articulated College Credit.

Power Tool list to be provided by HTC instructor.

Content Goals	Assessments	Evaluation
Project #1	Operated tool safely	
	Operated and used tool correctly	
	Correct tool(s) was used for the project	

Commented [gk1]:

### Recommended Industry-Recognized Certification or Comprehensive Assessment – College

Certification/ Assessment	Vendor	Other Information
OSHA 10-Hour Construction Industry Certification	OSHA Education Center	<a href="http://www.oshaeducationcenter.com">www.oshaeducationcenter.com</a>
OSHA 30-Hour Construction Industry Certification	OSHA Education Center	<a href="http://www.oshaeducationcenter.com">www.oshaeducationcenter.com</a>
Cabinetmaking (524)	Precision Exams	<a href="http://www.precisionexams.com/minnesota/files/standards-pdfs/(524)ks.pdf">http://www.precisionexams.com/minnesota/files/standards-pdfs/(524)ks.pdf</a>
Basic Principles of Construction – Industry Certification	NOCTI – Home Builders Association	<a href="http://www.nocti.org">www.nocti.org</a>

### Recommended Industry-Recognized Certification or Comprehensive Assessment – High School

Certification/ Assessment	Vendor	Other Information
CareerSafe OSHA 10- Hour Safety Industry Credential	CareerSafe	<a href="https://www.skillsusa.org/programs/careersafe-online-safety-training/">https://www.skillsusa.org/programs/careersafe-online-safety-training/</a>
SP2 Construction Certification	SP2	<a href="https://sp2.org/construction-schools">https://sp2.org/construction-schools</a>
Cabinetmaking (524)	Precision Exams	<a href="http://www.precisionexams.com/minnesota/files/standards-pdfs/(524)ks.pdf">http://www.precisionexams.com/minnesota/files/standards-pdfs/(524)ks.pdf</a>