

Minnesota

Articulated College Credit Agreement

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Articulated College Credit (ACC) 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: Architectural Drafting:
Materials & Methods of Construction I

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 | ARCH 1203 – Materials & Methods of Construction I | *Architectural Technology (A.A.S. – 72 cr.) *Architectural Technology (Diploma – 64 cr.) | 1 credit of 3 total credits |

Agreement Description

This course will familiarize the student with the materials and methods that are used in wood and light-gauge steel frame construction. Topics to be covered include foundations, floor systems, wall framing, ceiling/roof framing, and interior and exterior finishes.

Program Outcomes Addressed in Course

- Demonstrate knowledge of the materials and methods used in construction
- Apply building codes and construction standards

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:

- Describe foundation construction
- Explain erosion control measures
- Compare resource conservation strategies
- Compare products with recycled content
- Compare framing methods
- Compare maintenance requirements of building materials
- Describe floor construction systems
- Analyze wall assemblies
- Illustrate roof construction details
- Identify stair terms and components
- Identify window types and styles
- Identify door types and styles
- Identify thermal and moisture protection
- Describe application of finish materials

Course Assessments

Student who earn a final grade of **80% or better** in the course is required to qualify for Articulated College Credit.

Recommended Industry-Recognized Certification or Comprehensive Assessment – College

| Certification/ Assessment | Vendor | Other Information |
|---|--------------------------------------|---|
| Construction Trades Foundation | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(510)ks.pdf |
| Basic Principles of Construction – Industry Certification | NOCTI – Home Builders Association | www.nocti.org |

Recommended Industry-Recognized Certification or Comprehensive Assessment – High School

| Certification/ Assessment | Vendor | Other Information |
|-----------------------------------|-----------------|---|
| Construction Trades Foundation | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(510)ks.pdf |

For Further Information

For an overview of the Architectural Technology program at Hennepin Technical College, go to:
https://www.hennepintech.edu/programs/overview/Architectural_Technology