

Minnesota

Articulated College Credit (ACC) Agreement

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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 courses. 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 Construction Technology
Agreement Reviewed/Revised 2024 – 2025

These credits are valid in a college program listed below for students in grades 9-12 for 5 years upon completion of the high school course(s).

| College(s) | College Course(s) | College Programs | Articulated College Credit |
|----------------------------|--|--|------------------------------|
| Anoka Technical College | ARCH 1000 – Residential Construction | *Architectural Technology (A.A.S. – 60 cr.; Diploma) *Architectural 2D CAD (Cert. – 16 cr.) | 2 credits of 2 total credits |
| Hennepin Technical College | CARP 1102 – Introduction to Residential Construction | *Residential Remodeling & Design (A.A.S. – 60 cr.) *Carpentry (Diploma – 36 cr.) *General Construction Laborer (Occ. Cert. – 17 cr.) | 1 credits of 3 total credits |
| Minneapolis College | ARCH 1020 – Residential Construction Topics | Architectural Technology (Diploma – 55 cr.; Cert. – 25 cr.) | 2 credits of 2 total credits |
| St. Cloud State University | ETS 1 | Technical Elective Credit for Environmental & Technological Studies Department Major | 3 credits of 3 total credits |

Course Description

Techniques for residential construction in Minnesota are the focus of this course. Building materials and construction methods will be covered through lectures and illustrated examples. Building systems covered will be the footing, foundation, floor framing, wall framing, roof framing, moisture protection, and windows and doors.

Learning Outcomes

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

- The student will develop skills to examine building systems, estimate, and do construction problem-solving.
- Excavation, footings, foundations, floor framing, wall framing, and roof framing of residential buildings will be emphasized.

Assessment

Students who earn a final grade of “B” or better in their high school class will receive Articulated College Credit.

Recommended Industry-Recognized Certification or Comprehensive Assessments – College

| Certification/ Assessment | Vendor | Other Information |
|-------------------------------|-----------------|---|
| Architectural Design (542) | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(542)ks.pdf |
| Architectural Design II (544) | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(544)ks.pdf |
| Architectural Drafting | NOCTI | www.nocti.org |

Recommended Industry-Recognized Certification or Comprehensive Assessments – High School

| Certification/ Assessment | Vendor | Other Information |
|-------------------------------|-----------------|---|
| Architectural Design (542) | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(542)ks.pdf |
| Architectural Design II (544) | Precision Exams | http://www.precisionexams.com/minnesota/files/standards-pdfs/(544)ks.pdf |

Text/Materials Used

ATC: “The Visual Handbook of Building & Remodeling”, 3rd ed.; Charlie Wing; Taunton Press