

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name: CAD Drawing - Elective

Agreement Last Reviewed: **Fall 2023**

Next Review Date: **Fall 2025**

| College Courses | | | |
|-----------------|----------------------------|---|------------|
| Class | Title | School | Credits |
| MDAD 1271 | CAD Elective Drawing 1 | Minnesota State College Southeast | 3.0 of 3.0 |
| CAD 1225 | Dimensioning & Tolerancing | Rochester Community & Technical College | 1.0 of 3.0 |

These credits are valid for students 2 years after high school graduation from the completion of this course.

Curriculum Content Objectives

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

The course is meant to provide the student with a course that allows him or her to expand their understanding of various types of CAD drawings.

1. Analyze and complete assembly drawings
2. Analyze piece part drawings
3. Complete a variety of CAD prints
4. Analyze documentation
5. Complete technical drawings that meet industry standards
6. Analyze file translation

Assessments

Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC.

1. Provide students with examples of prints from which to reproduce or create new designs.
2. Prints can vary from mechanical, electrical, to architectural and more.
3. Include transferring files across different formats, block creation, and attributes.
4. The drawings will be completed to industry standards.

ACC Concept

Through Articulated College Credit (ACC), specific college curriculum content goals 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 requiring the course in a specific program.

