Saint Paul Consortium
Articulated College Credit (ACC) Agreement
www.CTEcreditMn.com

Agreement Name: **Engineering CAD**
Agreement Last Reviewed: 2017
Next Review Date: 2019

College	Course Name	Course Prefix	Course Number	Course Credits
Saint Paul College	Engineering CAD	ENGR	1714	2

This course introduces students to solid modeling software used in engineering for design and analysis of parts. It includes creating models and drawings for basic extrusions, revolve features, and cuts as well as more complex blends, sweeps and assemblies.

Curriculum Content Objectives:

To receive credit, students will master 100% of the following content objectives:

1. Introduce students to basic computer applications used for the design of engineering projects.
2. Apply the structure and use of CAD for various engineering applications.
3. Develop skills using standard CAD software and use appropriate computational tools and programming logic for engineering projects.
4. Experience problem solving strategies and potential solutions.
5. Compare and contrast the ways engineers address concerns about social and political consequences of technological change.

Assessments:

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

ACC Concept:

Skills for selected courses, required for graduation in programs at the colleges participating in this regional agreement are taught in our schools using the assessments developed collaboratively by secondary and post-secondary staff. High School credit is earned and college credits are earned if the student meets the college achievement.