

**Alpena Community College – Western Michigan University**  
**Occupational Education Studies**  
**Articulated Teacher Education Program**

**Program of Work for Computer-Aided Drafting**

The articulated program will allow a student to complete a teacher education program with a major in **Computer-Aided Drafting (with VT endorsement)** and a teachable minor in an appropriate program.

**Note:** The VT endorsement requires 4000 hours of recent and relevant work experience.

University Graduation Requirements include:

- Minimum: 122 credits
- Minimum: 2.0 cumulative GPA
- Minimum: 30 credits from WMU (No credit by exam, self-instructional, or correspondence except General University Studies (GUS) through Extended University Programs)
- Minimum: 10 of the last 30 credits from WMU (No credit by exam, self-instructional, or correspondence except GUS)
- Minimum: One-half total required credits from 4-year institution

I. Admission to the WMU teacher education program will include these requirements:

- A. 2.5 or higher Grade point
- B. Satisfactory completion of the State of Michigan Basic Skills Test (math, reading, communication)
- C. PSY 226 (ACC) or Human Growth and Development-ED 250 at WMU satisfactorily completed

II. Teaching **major** satisfied by taking 30 credits from the following:

CAD 101	Survey of Drafting/Design Careers	0.5 credits
CAD 110	Technical Drawing Fundamentals I	1.5 credits
CAD 111	Technical Drawing Fundamentals II	1.5 credits
CAD 112	Intro to CAD Operation	1.5 credits
CAD 113	Intermediate CAD Operation	1.5 credits
CAD 130	Advanced Multiview Drawing	2.0 credits
CAD 131	Pictorial Drawing & Sketching	1.5 credits
CAD 132	AutoCAD Fundamentals	1.5 credits
CAD 133	Advanced CAD Applications	1.5 credits
CAD 134	Architectural Design (Residential)	3.5 credits
CAD 220	Machine Drawing	3.5 credits
CAD 222	Kinematics	3.5 credits
CAD 224	Architectural Design (Commercial)	3.5 credits
CAD 225	Schematic Diagrams	1.5 credits
CAD 226	Industrial Design	3.5 credits
CAD 229	Descriptive Geometry	3.5 credits
IND 225	Strength of Materials	4.0 credits
IND 227	Principals of Fluid Power	1.5 credits
MFG 101	Metal Cutting I	4.0 credits
MFG 122	Manufacturing Processes	3.0 credits

Teaching **minor** satisfied by taking at least 20 semester hours of WMU courses in an appropriate secondary education minor.