

ARTICULATION AGREEMENT

BETWEEN

WAUBONSEE COMMUNITY COLLEGE

AND

THE UNIVERSITY OF CENTRAL MISSOURI

FOR

Associate of Applied Science in Computer Aided Design and Drafting

TO

UCM's Bachelor of Science in Design and Drafting Technology

This articulation agreement (agreement) is made and entered into by and between Waubonsee Community College and the University of Central Missouri. By this agreement, Waubonsee Community College and the University of Central Missouri express their mutual commitment to increasing opportunities for student access and success in higher education. As set forth below, this agreement will allow for seamless transfer of students from Waubonsee Community College to the University of Central Missouri (UCM) in the Associate of Applied Science in Computer Aided Design and Drafting program to UCM's Bachelor of Science in Design and Drafting Technology program (the programs also referred to herein as the programs of study”).

This agreement sets forth the conditions for such seamless transfer as specified in the attached programs of study (Attachment A). Students who successfully complete the stated curriculum at Waubonsee Community College will be assured that the University of Central Missouri will accept these credits and will apply such to the Bachelor of Science in Design and Drafting Technology degree program, provided, however, students meet all University of Central Missouri admission criteria. Admission will otherwise be limited to program availability and openings. Program guides and requirements will be reviewed annually, or as appropriate and program guides and requirements may be added or removed at the sole discretion of the University of Central Missouri.

Term/Termination:

This agreement takes effect during the Fall semester of 2023 and will be reviewed every five years

This agreement can be terminated by either party through written notification to the other party. The agreement will terminate the succeeding semester following notification. Upon termination, students may complete transfers that have currently been submitted or are in process.

Confidential Student Information:

Both during the term of this agreement and thereafter, the parties agree to hold student Confidential Information in trust and confidence and to exercise diligence in protecting and safeguarding such information, as well as any other information protected from public disclosure by federal or state law. Each party covenants and agrees it will not knowingly use, directly or indirectly, for its own benefit, or for the benefit of another, any of said Confidential Information, but instead will use said information only for the purposes contemplated hereunder. Further, each party covenants and agrees that it will not disclose any Confidential Information to any third party except as may be required in the course of the Program hereunder and for a legitimate educational interest or as otherwise allowed by law. Finally, the parties covenant and agree that any access to the Confidential Information and/or education records of any student shall be in compliance with the Family Education Rights and Privacy Act ("FERPA") and any access to the medical records of any student shall be in compliance with the Health Insurance Portability and Accountability Act of 1996.

As used in this agreement, the term "Confidential Information" means all personally identifiable information, as defined by FERPA, including but not be limited to: a student's name, the name of the student's parent or other family member, the address of the student or student's family, a personal identifier, such as the student's social security number or student number; a list of personal characteristics that would make the student's identity easily traceable; other information that would make the student's identity easily traceable; education and/or medical records of students.

Liability:

Each party to this agreement shall be solely responsible for any and all actions, suits, damages, liability, or other proceedings brought against it as a result of the alleged negligence, misconduct, error, or omission of any of its officers, agents, or employees. Each party hereby certifies that it has sufficient insurance or collateral to support this potential liability obligation.

No Indemnification:

Neither party is obligated to indemnify the other or hold the other party harmless from costs or expenses incurred as a result of such claims.

No Waiver:

The foregoing provisions shall not be deemed a relinquishment or waiver of any kind of applicable limitations of liability provided or available to any of the parties under applicable state governmental immunities law.

Notice:

Each party shall give written notice to the other party of the assertion of any claim or the commencement of any litigation within thirty (30) days notice of the claim or commencement of litigation and shall cooperate with the other party in the defense of the claim or litigation.

Governing Law:

This agreement is governed by and constructed in accordance with the laws of the State of Missouri.

Limitation of Authority:

The rights, powers, and authority of both parties are subject to the following conditions and limitations: (1) neither party shall have the authority to perform any act on behalf of the other except as expressly authorized in this agreement or otherwise expressly authorized in writing; (2) without the approval of the other party, neither party will authorize or obligate the expenditure of any funds or create any liability or expense for the other party; and (3) any contracts or obligations between the parties will require the signatures of both parties.

Waubonsee Community College and the University of Central Missouri enter into this program articulation agreement leading from the Associate of Applied Science in Computer Aided Design and Drafting degree to the Bachelor of Science degree in Design and Drafting Technology for which program guides have been developed by the affixing signatures of the appropriate officers of both institutions having authority to sign.

Waubonsee Community College

DocuSigned by:
Ne'Keisha Stepney February 21, 2025
C0BF879E5DA74C8...
Name: _____ Date _____

Assistant Provost of Workforce Development

Title:

University of Central Missouri

Signed by:
Tim Crowley February 21, 2025
A5B39BE1164841D...
Name: _____ Date _____
Provost/VPAA

Title:

Attach Program Guide (created in collaboration with the Office of the Registrar)

UNIVERSITY OF CENTRAL MISSOURI

Waubonsee Community College (WCC) - AAS Computer Aided Design & Drafting to

University of Central Missouri (UCM) - BS Design & Drafting Technology

Courses taken at WCC

Complete the AAS Computer Aided Design & Drafting degree and include the following courses in the course of study:

UCM equivalencies in parentheses

General Education Requirements: 15 hours

Oral Communications - 3 hours

- COM 100 Communications 3 (COMM 1050)

Writing - 6 hours

- ENG 101 Composition I 3 (ENGL 1020)
- ENG 102 Composition II 3 (ENGL 1030)*

*Students under this agreement will have ENGL 1030 substitute for CTE 2060 in Writing II of General Education.

Mathematics Elective - 3 hours

- MTH 129 Precalculus I 3 (MATH 1111)

Social and Behavioral Sciences - 3 hours

- PSY 100 Intro to Psychology 3 (PSY 1100)
OR
- PSY 205 Life-Span Development 3 (PSY 3220)
OR
- SOC 100 Intro to Sociology 3 (SOC 1800)

Core Program Requirements: 16 hours

Students that complete CAD100 Technical Drawing I should complete CAD118 Technical Drawing II

CAD 100 Technical Drawing I 3

CAD 102 AutoCAD I 3

CAD 118 Technical Drawing II 3

OR

EGR 101 Engineering Graphics 3 (CADD 1110)

CAD 120 AutoCAD II 3 (CADD 1170)

CIS 110 Business Information Systems 3 (CTE 1210)

MTT 100 Safety Principles 1

Electives and Emphasis Areas: 29 hours

Students wanting to specialize in an architectural, design, or mechanical drafting area should select electives from a specific emphasis area.

Architectural:

CAD 125 Microstation I 3 (CADD 2171)

CAD 127 Residential Architecture 3 (CADD 3160)

CAD 129 Commercial Architecture 3 (CADD 1180)

CAD 131 Civil Engineering 3 (CADD 3150)

CMT 101 The Construction Industry 3

CMT 105 Print Reading for Construction 3 (CMGT 2310)

CMT 111 Construction Materials and Methods I 3

CMT 115 Construction Materials and Methods II 3

Design

CAD 122 Geometric Dimensioning and Tolerancing 2

CAD 125 Microstation I 3 (CADD 2172)

Courses Remaining at UCM

Core Requirements - 54 hours***

CADD 1100 Orientation to Design/Drafting 1

CADD 1110 Fundamentals of Drafting 3 (EGR 101)

OR

CTE 1300 Intro to Engineering Design

CADD 1170 AutoCAD Applications 3 (CAD 120)

~~CADD 2100 Sophomore Design/Drafting Seminar~~

CADD 2140 Advanced 3D Modeling 3 (CAD 242 AND 243)

CADD 2150 Descriptive Geometry for Engineering Technology 3

CADD 2160 Structural Design & Detailing 3

CADD 2172 MicroStation Applications 3 (CAD 125)

CADD 3022 Internship in Design and Drafting (1-6) 1

~~CADD 3100 Junior Design/Drafting Seminar~~

CADD 3170 Design Automation 3

CADD 3180 Advanced Structural Design 3

CADD 4100 Senior Design/Drafting Seminar 1

CADD 4160 Computer Graphics & Technical Presentations 3

CADD 4172 MEP (Mechanical, Electrical & Plumbing) & Industrial Piping Design/Drafting 3

CADD 4180 Industrial Design 3

CMGT 2020 Statics 3

MATH 1112 College Trigonometry 2

***Students under this agreement are not required to take CADD 2100 and 3100.

Electives from the following: 6 hours

CADD 4210 Innovations Management for CADD 3

and

INDM 4250 Project Management 3

OR

INDM 4260 Organizational Dynamics 3

and

MGT 3315 Management of Organizations 3

Two Electives from the following: 6 hours

CADD 4114 Advanced Technical Problems in Design/Drafting (1-3) 3

CADD 4500 Substation Design 3

CMGT 3330 Building Codes and Code Administration 3

CMGT 4310 Construction Safety 3

CS 1030 Python Programming I 3

ENGT 1011 Applied Electricity 4

ENGT 4110 Engineering Technology Problem Solving 3

ENGT 4120 Hydrology and Drainage Design 3

ENGT 4160 Transportation Systems Design 3

GEOS 4220 Geographic Information Systems I 3

Select 1 of the 2 Options:

Option 1: Civil & Architectural Design

Technology - 12 hours

CADD 1180 Intro to Building Info Modeling 3 (CAD 129)

CAD 127 Residential Architecture 3 ([CADD 3160](#))
CAD 129 Commercial Architecture 3 ([CADD 1180](#))
CAD 131 Civil Engineering 3 ([CADD 3150](#))
CAD 240 Introduction to Parametric Modeling Using SolidWorks 3
CAD 241 Introduction to Parametric Modeling Using Inventor 3
CAD 242 Advanced Parametric Modeling Using SolidWorks* 3
CAD 243 Advanced Parametric Modeling Using Inventor* 3

*CAD 242 and 243 together transfer as UCM's [CADD 2140](#)

Mechanical

CAD 122 Geometric Dimensioning and Tolerancing 2
CAD 240 Introduction to Parametric Modeling Using SolidWorks 3
CAD 241 Introduction to Parametric Modeling Using Inventor 3
CAD 242 Advanced Parametric Modeling Using SolidWorks* 3
CAD 243 Advanced Parametric Modeling Using Inventor* 3

*CAD 242 and 243 together transfer as UCM's [CADD 2140](#)

AMT 100 Introduction to Manufacturing Automation System 3
MTT 108 Machining Fundamentals 3

Minimum Hours for AAS Computer Aided Design & Drafting: 60

CADD 3150 Civil Drafting 3 ([CAD 131](#))
CADD 3160 Residential Architectural Drawing 3 ([CAD 127](#))
CADD 4150 Applied Civil Design/Drafting 3
CADD 4162 Commercial Architectural Design/Drafting (BIM) 3
CMGT 2310 Construction Plans & Specifications 3 ([CMT 105](#))
CMGT 2340 Surveying and Construction Layout 3
CMGT 3010 Applied Construction Practices 3

OR

Option 2: Mechanical Design Technology (Product/Machine) - 24 hours

CADD 3120 Mechanical 3D Modeling & Detailing 3
CADD 4171 Production Design/Drafting 3
CADD 4174 Machine Design 3
ENGT 2530 Machine Tool Technology 3
ENGT 2600 Lean Enterprises 3
ENGT 3562 Computer Numerical Control (CNC) 3
ENGT 4520 Robotics and Automation 3
ENGT 4590 Computer Integrated Manufacturing (CIM) 3

General Education - 19 (will vary depending on transfer work)

Knowledge Area I: 9 hours

Fine Arts: 3 hours

Humanities: 3 hours

Additional KA I: 3 hours

Knowledge Area II: 7 hours

Natural Science w/ Lab: 4 hours

Natural Science non-lab: 3 hours

- PHYS 1103 Intro to the Sciences: Physics 3

Knowledge Area III: 6 hours

US/Missouri Constitution: 3 hours

Social/Behavioral Science: 3 hours

- GEOG 2212 World Geography 3

Free Choice Electives: 0 (will vary depending on transfer work and upper-level hour requirements)

Students must complete a minimum of 30 upper-level hours towards their degree to graduate.

Minimum Hours Required for BS Design and Drafting Technology: 120

This agreement was created using UCM's 2023-2024 Catalog and Waubonsee Community College's 2023-2024 Catalog.

*This agreement was **updated** using [UCM's 2024-2025 Catalog](#) and [Waubonsee Community College's 2024-2025 Catalog](#).*