

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

Ne'Keisha Stepney January 8, 2024
Name: Date

DocuSigned by:
Ne'Keisha Stepney
C0BF879E5DA74C8...

Executive Dean for Business, Technology, and Workforce Education
Title:

University of Central Missouri

Phillip Bridgmon January 10, 2024
Name: Date
Provost

DocuSigned by:
Phillip Bridgmon
317F06F3428A48E...

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

COM 100 - Communications 3 (*COMM 1050 - Comm*)

ENG 101 - English 3 (*ENGL 1020 - Writing I*)

ENG 102 - English 3 (*ENGL 1030 - Writing II*)*

MTH 129 – Precalculus I 3 (*MATH 1111*)

Social and Behavioral Sciences elective 3

Select from: PSY 100, PSY 205, or SOC 100 to count towards UCM General Education: Social/Behavioral Science requirement

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

Core Program Requirements: 9 hours

CAD 102 AutoCAD I 3

CAD 120 AutoCAD II 3 (*CADD 1170*)

EGR 101 Engineering Graphics 3 (*CADD 1110*)

Electives and Emphasis Areas: 36 hours

Select electives from: Automation Technology (AMT), Business Administration (BUS), Computer Aided Design and Drafting (CAD), Computer Information Systems (CIS), Construction Management (CMT), Engineering (EGR), Heating, Ventilation and Air Conditioning (HVA), Internship (ITS), Machine Tool Technology (MTT), Welding Technology (WLD). See Waubonsee CC's Catalog for more information.

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*)

CIS 110 Business Information Systems 3 (*CTE 1210*)

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

MTT 100 Safety Principles 1

Design

CAD 122 Geometric Dimensioning and Tolerancing 2

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*)

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*

CIS 110 Business Information Systems 3 (*CTE 1210*)

MTT 100 Safety Principles 1

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*

CIS 110 Business Information Systems 3 (*CTE 1210*)

MTT 100 Safety Principles 1

MTT 110 Print Reading for Machine Trades 3

MTT 115 Manual Machine Shop Operations 3 (*ENGT 2530*)

UCM Suggested Elective Courses: 36 hours

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*)

CIS 110 Business Information Systems 3 (*CTE 1210*)

CMT 105 Print Reading for Construction 3 (*CMGT 2310*)

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*

CMT 111 Construction Materials and Methods I 3

MTT 115 Manual Machine Shop Operations 3 (*ENGT 2530*)

Any 2 classes from CAD or CMT prefix 6

Minimum Hours for AAS Computer Aided Design & Drafting: 60

The following page is based on the above General Education, Core Program Requirements, and UCM Suggested Elective Courses.

Courses Remaining at UCM

Core Requirements - 29 hours***

CADD 1100 - Orientation to Design/Drafting 1
CADD 2150 - Descriptive Geometry for Engineering Technology 3
CADD 2160 - Structural Design & Detailing 3
CADD 3022 - Internship in Design and Drafting (1-6) 1
CADD 3170 - Design Automation 3
CADD 3175 - Advanced MicroStation 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

INDM 4250 - Project Management 3
and
CADD 4210 - Innovations Management for CADD 3

- OR -

MGT 3315 - Management of Organizations 3
and
INDM 4260 - Organizational Dynamics 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 4150 - Applied Civil Design/Drafting 3
CADD 4162 - Commercial Architectural Design/Drafting (BIM) 3
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 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
- GEOS 1004 Intro to Geology 4
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)

Minimum Hours Required for BS Design and Drafting Technology: 120

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

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