

ARTICULATION AGREEMENT

BETWEEN

BOARD OF GOVERNORS OF MISSOURI STATE UNIVERSITY

D/B/A MISSOURI STATE UNIVERSITY – WEST PLAINS

AND

THE UNIVERSITY OF CENTRAL MISSOURI

FOR

ASSOCIATE OF SCIENCE IN ENGINEERING TECHNOLOGY: MECHATRONICS OPTION

TO

UCM's BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY – ROBOTICS, AUTOMATION, AND CONTROLS OPTION

This articulation agreement (agreement) is made and entered into by and between Board of Governors of Missouri State University d/b/a Missouri State University – West Plains (hereinafter “Missouri State University – West Plains”) and the University of Central Missouri.

By this agreement, Missouri State University – West Plains 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 Missouri State University – West Plains to the University of Central Missouri (UCM) in the Associate of Science in Engineering Technology: Mechatronics program to UCM's Bachelor of Science in Engineering Technology – Robotics, Automation, and Controls Option 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 Missouri State University – West Plains will be assured that the University of Central Missouri will accept these credits and will apply such to the BS Engineering Technology – Robotics, Automation, and Controls Option 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 2024 and will be reviewed annually.

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. Notwithstanding the foregoing, the parties recognize their obligation to respond to valid requests under Missouri's Open Records laws, Mo. Rev. Stat. §610 et. seq.

Liability:

Each party shall be responsible for its own acts and omissions and shall be liable for payment of that portion of any and all claims, liabilities, injuries, suits, and demands and expenses of all kinds that may result or arise out of any alleged malfeasance or neglect caused or alleged to have been caused by said party, its employees, agents, or subcontractors, in the performance or omission of any act or responsibility of said party under this Agreement. In the event that a claim is made against both parties, it is the intent of both parties to cooperate in the defense of said claim and to cause their insurers to do likewise. Both parties shall, however, retain the right to take any and all actions they believe necessary to protect their own interests.

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.

Nondiscrimination:

Neither Party will discriminate on the basis of race, color, national origin (including ancestry, or any other subcategory of national origin recognized by applicable law), religion, sex (including marital status, family status, pregnancy, sexual orientation, gender identity, gender expression, or any other subcategory of sex recognized by applicable law), age, disability, veteran status, genetic information, or any other basis protected by applicable law in connection with their obligations under this Agreement.

Missouri State University – West Plains and the University of Central Missouri enter into this program articulation agreement leading from the Associate of Science in Engineering Technology: Mechatronics degree to the bachelor’s degree in BS Engineering Technology - Robotics, Automation, And Controls Option for which program guides have been developed by the affixing signatures of the appropriate officers of both institutions having authority to sign.

Board of Governors of Missouri State University
d/b/a Missouri State University – West Plains

Signed by:



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October 4, 2024


Name:

vice-Chancellor of Academic Affairs

Title:

University of Central Missouri

Signed by:



A5B39BE1164841D...

October 4, 2024

Name:

Interim Provost/VPAA

Title:

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

UNIVERSITY OF CENTRAL MISSOURI

Missouri State University – West Plains (MSU-WP) – AS Engineering Technology: Mechatronics

to

University of Central Missouri (UCM) – BS Engineering Technology – Robotics, Automation, and Controls Option

Courses taken at MSU- WP

Complete the AS – Engineering Technology: Mechatronics degree and include the following courses in the course of study. *UCM equivalencies in parentheses*

Written & Oral Communications - 6 hours

ENG 110 Writing I 3 (ENGL 1020)

ENG 221 Writing II: Writing for the Professions 3 (CTE 2060)

Natural Sciences - 5 Hours

CHM 160/161 General Chemistry w/ Lab 5 (CHEM 1131)*

*CHEM 1131 will substitute for CHEM 1103

Social and Behavioral Sciences - 6 hours

ECO 155 Principles of Macroeconomics 3 (ECON 1010)

Civics - Choose 3 credit hours:

HST 121 Survey of US Hist to 1877 3 (HIST 1350) OR

HST 122 Survey of US Hist Since 1877 3 (HIST 1351) OR

PLS 101 American Democracy & Citizenship 3 (POLS 1510)

Institutional Requirements - 4 hours

CIS 101 Computers for Learning 3 (CIS 1600)

IDS 110 Student Success 1

Engineering Requirements - 11 hours

EGR 100 Careers in Engineering 1

EGR 110 Introduction to Engineering Design 3

EGR 120 Introduction to Computer Aided Design 2

EGR 297 Engineering Capstone 1

CSC 125 Introduction to C++ Programming 4

Mechatronics Option - 28 hours

CIS 201 Computer Applications for Business 3

MTH 261 Analytic Geometry & Calculus I 5 (MATH 1151)*

*MATH 1151 will substitute for MATH 1131

MTM 240 Project Management 3

*MTM 240 will substitute for UCM's ENGT 3510

TEC 100 Introduction to AC and DC Electricity 2

TEC 180 Fundamentals of Mechatronics 2

TEC 240 PLCs & Sensors 2

TEC 245 Mechanical Systems 2

TEC 248 Fluid Power 2

TEC 275 Automated Systems 2

Electives (Must be approved by MSU-WP Engineering Department) 5

Minimum Hours for AS Engineering Technology - Mechatronics: 60

Courses Remaining at UCM

Core Required Hours: 19 hours

ENG 1000 Principles of Engineering 3

ENG 1011 Applied Electricity 4

ENG 3023 Engineering Technology Internship 1

ENG 3520 Engineering Economy 3

ENG 4110 Engineering Technology Problem Solving 3

ENG 4580 Quality Systems Engineering 3

MATH 1112 College Trigonometry 2

Option 1 - Robotics, Automation, and Controls: 62 hours

ENG 1027 AC Circuit Analysis 3

ENG 1050 Digital Principles and Applications 3

ENG 1400 Fundamentals of Engineering Design 3

ENG 1500 Orientation to Engineering Technology 3

ENG 2048 Active Electronic Devices 4

ENG 2060 Microprocessors: Theory and Application 3

ENG 2065 Computer Programming for Eng Technology 3

ENG 2600 Lean Enterprises 3

ENG 3017 Programmable Logic Controllers 4

ENG 3020 Circuit Analysis and Implementation 3

ENG 3200 Energy Production and Transmission 3

ENG 3510 Project Mgt for Eng Technology 3 (MTM 240)

ENG 3530 Inspection and Quality Control 3

ENG 3562 Computer Numerical Control (CNC) 3

ENG 3600 Applied Thermodynamics 3

ENG 4520 Robotics and Automation 3

ENG 4530 Adv. Robotics, Vision, Automation & Controls 3

ENG 4590 Computer Integrated Manufacturing (CIM) 3

NET 1060 Introduction to Networks 3

Department Approved Electives 3

General Education - 22 hours

Writing I 0*

* ENG 110 Writing I 3 (ENGL 1020)

Writing II 0*

*ENG 221 Writing II: Writing for the Professions 3 (CTE 2060)

Communication 3

COMM 1000 Public Speaking GE 3 (required)

Managing Information 0*

*CIS 101 Computers for Learning 3 (CIS 1600)

Fine Arts 3

Literature 3

Additional Knowledge Area I 3

Natural Sciences 4*

*Two Science courses from different disciplines, one with a Laboratory

CHM 160/161 General Chemistry w/ Lab 5 (CHEM 1131)*

*CHEM 1131 will substitute for CHEM 1103

PHYS 1101 - College Physics I GE 4 (required)

Mathematical Sciences 0*

MTH 261 Analytic Geometry & Calculus I 5 (MATH 1151)

*MATH 1151 will substitute for MATH 1131

US/Missouri Constitution 0*

HST 121 Survey of US Hist to 1877 3 (HIST 1350) OR

HST 122 Survey of US Hist Since 1877 3 (HIST 1351) OR

PLS 101 American Democracy & Citizenship 3 (POLS 1510)

Social Behavioral Sciences 3*

*ECO 155 Principles of Macroeconomics 3 (ECON 1010)

General Education Elective 3

Minimum Hours Required for BS Engineering Technology

- Robotics, Automation, And Controls Option: 124

This agreement was created using UCM's 2024-2025 Catalog and WSU-WP's 2024-2025 Catalog. Students must complete a minimum of 30 upper-level hours towards their degree to graduate.