



ARTICULATION AGREEMENT

BETWEEN

WICHITA STATE UNIVERSITY AND WICHITA AREA TECHNICAL COLLEGE

January 03, 2013

The purpose of this Articulation Agreement is to provide learning opportunities through a transfer agreement for Wichita Area Technical College AAS Machining Technology, Robotics, and Electromechanical Systems degree students pursuing a Bachelors of Science in Engineering Technology degree, with a concentration in Mechatronics or Engineering Technology Management, from the College of Engineering at Wichita State University. This transfer agreement will follow the guidelines in the WSU Undergraduate Catalog as applicable for all transfer students.

Students should refer to the WSU transfer sheet or WSU website for the required courses and the suggested course schedule at each institution. Transfer students must complete at least 60 hours of four-year college work and 45 hours of upper-division work in order to qualify for graduation from Wichita State University.

WSU will transfer:

- WATC's MCD 113 + MCD 115 + MCD 121 as WSU's IME 222 Engineering Graphics
- WATC's MCD 116 + MCD 124 as WSU's IME 222 Engineering Graphics

The following courses will transfer from Wichita Area Technical College to Wichita State's B.S., Engineering Technology as Technical Electives (a maximum of 15 credits):

<ul style="list-style-type: none"> • AVT 10 Basic Electricity & Electronics • AVT 102 Basic Electricity & Electronics Lab • CAT 101 CATIA Part Design & Sketcher • CAT 105 CATIA Assembly Design • CAT 115 CATIA Prismatic Machining • CAT 124 CATIA Surface Machining • CWG 110 Welding Applications • EMP 100 Global Professional Standards • IND 109 Basic Industrial Programmable Logic Controls 	<ul style="list-style-type: none"> • IND 131 Industrial Programmable Logic Controls • IND 132 Industrial Instrumentation • MCD 110 Principles of Tool Design • MCD 112 Industrial Materials & Processes • MCD 201 Geometric Dimensioning & Tolerance • MCD 205 Residential Drafting • MCD 206 Commercial Drafting & Design • MMG 102 Blueprint Reading I • MMG 142 Manual Lathes • MMG 143 Manual Mills 	<ul style="list-style-type: none"> • MMG 144 CNC Mills • MMG 152 CNC Lathes • MMG 225 Machining Internship • ROB 100 Introduction to Robotics • ROB 101 Manufacturing Control & Work Cell Interfacing • ROB 102 Work Cell Design Laboratory • ROB 103 Applied Robotics Lab I • ROB 104 Robotics Simulation • ROB 106 Robotics Controller Maintenance • ROB 110 Applied Robotics Lab II • ROB 111 Advanced Robot Controller Programming
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Wichita Area Technical College will:

- Provide space within engineering and manufacturing classrooms for WSU marketing materials,
- Inform the Director of Engineering Technology of course content changes and Technical Elective course number changes or deletions.
- Strive to maintain HLC accreditation of aforesaid Technology programs.

Dr. Keith Pickus
Interim Provost
Wichita State University

Dr. Lawrence Whitman
Associate Dean, College of Engineering
Wichita State University

Mel Whiteside
Director, Bachelor of Science in Engineering Technology
Wichita State University

Ms. Sheree Utash
Vice President of Academic Affairs
Wichita Area Technical College

Mr. Michael Edwards
Dean, Manufacturing Technologies
Wichita Area Technical College



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**WICHITA STATE UNIVERSITY-College of Engineering AND WICHITA AREA TECHNICAL COLLEGE
(WICHITA STATE UNIVERSITY-Campus of Applied Sciences and Technology) 2+2 AGREEMENT
Associate of Arts Degree/Bachelor's Degree in Engineering Technology
Concentration in Engineering Technology Management**

The purpose of the 2+2 Agreement is to provide Wichita Area Technical College (WATC) students a four-year coordinated program through the WSU/WATC Pathway Program curriculum where students will receive an Associate of Arts degree at Wichita State University (WSU) in the first two years and a Bachelor of Science degree in Engineering Technology from Wichita State University (WSU) after two additional years. This agreement will provide guidance for both parties in advising students.

This agreement is for WATC students who have:

- Earned an Associates of Arts (AA) degree according to the requirements of the Pathway curriculum.
- Achieved a minimum cumulative GPA of 2.0.
- Applied and been admitted to the WSU/WATC Pathway Program.

WATC students meeting the above requirements will:

- Be guaranteed admission to WSU's College of Engineering with completion of application requirements and receipt of transcripts.
- Enter with junior status toward a baccalaureate degree.
- Be guaranteed to transfer 46 credit hours (not including required WSU courses taken concurrently as required by the Pathway program) from WATC to WSU.

This partnership reflects the following objectives, institutional expectations, and operational principles:

- Expanded student program opportunities, course articulation understandings, and transfer coordination considered mutually beneficial in this coordinated partnership.
- Graduates will possess the technical skills and conceptual background, creative mindset and applied experiences to address the workforce needs for achieving the desired economic development in the State of Kansas.
- All students must complete all major, institutional, and required degree requirements appropriate to the program curricula at the degree granting institution in order to graduate.
- Both Wichita Area Technical College and Wichita State University College of Engineering program faculty and administrators will promote the program with qualified prospective students and share assessment of learning outcomes toward the goal of program improvement.
- Students can inquire about academic and participation scholarships, financial aid, and grants by contacting the WSU Financial Aid office (316) 978-3430 and the College of Engineering, Engineering Student Success Center at (316) 978-3420.
- Students transferring to WSU from WATC who have not completed an AA must meet the necessary requirements for admission to WSU, and will have their transcript evaluated on an individual basis.

In order to ensure a successful transition and completion of the associates' and bachelors' degrees from both institutions in this 2+2 agreement, students should refer to the required degree plans or stipulations of this agreement. Transfer students must complete at least 60 credit hours of four-year college work including 45 credit hours of upper-division work in order to qualify for graduation from Wichita State University. Courses used as prerequisites may have higher grade requirements as described in the WSU undergraduate catalog.

Modification of Agreement

This agreement shall only be modified in writing with the same formality as the original agreement.

Reverse Transfer

Students, who transfer to Wichita State University from Wichita Area Technical College before attainment of the Associate of Arts degree, are eligible to reverse transfer courses that have WSU/WATC equivalency back to WATC. This allows for the attainment of the Associates of Arts degree provided that at least 45 credit hours are earned at WATC and all other degree requirements are met.

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Terms of Agreement

The agreement will begin with the 2017-2018 academic year.

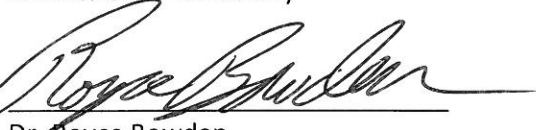
Termination of Agreement

Either party may terminate this agreement for any reason with a written notice from either party. The parties agree that termination shall include an agreement that students currently enrolled in the program at the time of termination shall be permitted to complete the program as described herein.

This agreement is a collaboration between Wichita State University and Wichita Area Technical College. Any changes, corrections, or additions to this agreement shall be in writing and signed by all necessary parties between both academic institutions.

Wichita State University

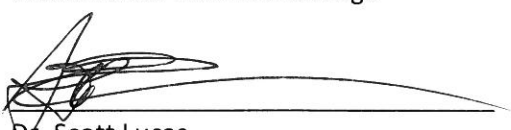

Dr. Anthony J. Vizzini
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Dr. Royce Bowden
Dean,
College of Engineering


Dr. Gary Brooking
Department Director
Engineering Technology

Wichita Area Technical College


Dr. Sheree Utash
President
Wichita Area Technical College


Dr. Scott Lucas
Vice President,
Career and Technical Education


Bruce Fritz
Dean,
Manufacturing Technologies

**Concentration in Engineering Technology Management, Pathway for (2+2) Agreement,
Wichita Area Technical College & Wichita State University
Courses taken through the WSU/WATC Pathway for completion of Associate of Arts Degree**

Freshman – 1st Semester (taken at WATC) 18 Credit Hours		
Wichita State University Equivalent	Wichita Area Technical College	Hours
ENGL 101 College English I	ENG 101 Composition I	3
Technical Elective for BSET	PSS 101 Six Sigma Green Belt Methods	3
General Education (Required for Pathway AA degree)	Approved General Education (Any Humanities-NOT PHL course) as found on the WSU Transfer Guide	3
ECON 201 Principles of Macroeconomics	ECO 105 Principles of Macroeconomics	3
COMM 302 Interpersonal Communications	SPH 111 Interpersonal Communications	3
COMM 111 Public Speaking	SPH 101 Public Speaking	3
Freshman – 2nd Semester (taken at WATC) 18 Credit Hours		
ENGL 102 College English II	ENG 120 Composition II	3
MATH 123 College Trigonometry (Required for Pathway AA degree)	MTH 113 Trigonometry	3
PHIL 105 Critical Reasoning	PHL 115 Logic	3
MGMT 360 Principles of Management	BUS 200 Principles of Management	3
ARTH 103 Art Appreciation	ART 100 Art Appreciation	3
Technical Elective; BADM161-Business Software: Word, BADM 162- Business Software: Excel, BADM 163- BA Software: Access & Powerpt	CED 115 Computer Applications	3
Sophomore – 1st Semester (taken at WATC) 16 Credit Hours		
MATH 242 Calculus I	MTH 125 Calculus I	5
PHYS 213 General College Physics I	PHS 120 General Physics I	5
Technical Elective for BSET	PSS 105 Six Sigma Green Belt Statistics	3
ECON 202 Principles of Microeconomics	ECO 110 Principles of Microeconomics	3
Sophomore – 2nd Semester (taken at WSU) 16 Credit Hours		
PHYS 214 General College Physics II	Completed at WSU for Shocker Pathway	5
WSUE 102A First Year Sem in Tech and Innovation	Completed at WSU for Shocker Pathway	3
MATH 243 Calculus II	Completed at WSU for Shocker Pathway	5
PHIL 385 Engineering Ethics	Completed at WSU for Shocker Pathway	3

A total of 52 credit hours taken at Wichita Area Technical College and 16 additional WSU credit hours
for a total of 68 credit hours for completion of Associate of Arts Degree

**Concentration in Engineering Technology Management, Pathway for (2+2) Agreement,
Wichita Area Technical College & Wichita State University
Courses taken at Wichita State for completion of B.S. in Engineering Technology Management**

Junior – 1st Semester (taken at WSU) 13 Credit Hours	
Wichita State University Requirement	Hours
IME 255 Engineering Economy	3
ENGT 301 Introduction to Engineering Technology	1
ACCT 210 Financial Accounting	3
IME 258 Manufacturing Methods I	3
IME 222/L Engineering Graphics/Lab	3
Engineer of 2020 (1 of 3)	
Junior – 2nd Semester (taken at WSU) 15 Credit Hours	
BLAW 431 Legal Environment of Business	3
MIS 310 Fund. Of Business App Development OR CS 211 Intro to Programming	3
ENGT 312 Applied Statistics	3
ENGT 354 Statistical Process Control	3
BSET Technical Elective	3
Engineer of 2020 (2 or 3)	
Senior – 1st Semester (taken at WSU) 15 Credit Hours	
ENGR 501 The Engineer as a Leader	3
IB 333 International Business	3
MKT 300 Marketing	3
ENGT 664 Engineering Project Management	3
ENGT 401 Senior Design Project I	3
Senior – 2nd Semester (taken at WSU) 15 Credit Hours	
DS 350 Intro to Product and Operation Management	3
HRM 466 Fundamentals of Human Resource Management	3
ENGT 441 Analysis of Decision Process	3
ENGT 402 Senior Design Project II	3
BSET Technical Elective	3
Engineer of 2020 (3 of 3)	

A total of 58 credit hours taken at Wichita State for the completion of the B.S. degree in Engineering Technology (Concentration in Engineering Technology Management).



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Associate of Arts Degree/Bachelor's Degree in Engineering
Technology Concentration in Mechatronics Technology**

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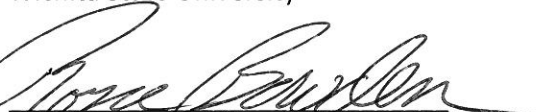
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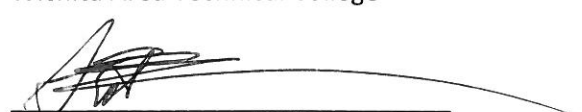

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MATH 123 College Trigonometry (Required for Pathway AA degree)	MTH 113 Trigonometry	3
PHIL 105 Critical Reasoning	PHL 115 Logic	3
Technical Elective for BSET	IND 109 Basic Industrial PLC OR Any Pre-Approved Elective	3
Technical Elective for BSET	ROB 100 Introduction to Robotics OR any pre-approved elective	3
ECON 202 Principles of Microeconomics	ECO 110 Principles of Microeconomics	3
Sophomore – 1st Semester (taken at WATC) 16 Credit Hours		
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**Concentration in Mechatronics Technology, Pathway for (2+2) Agreement,
Wichita Area Technical College & Wichita State University
Courses taken at Wichita State for completion of B.S. in Mechatronics Technology**

Junior – 1st Semester (taken at WSU) 14 Credit Hours	
Wichita State University Requirement	Hours
IME 255 Engineering Economy	3
IME 258 Manufacturing Methods I	3
ENGT 301 Fundamentals of Engineering Technology	1
IME 222/L Engineering Graphics /Lab	3
CS 194 Introduction to Digital Design	4
Engineer of 2020 (1 of 3)	
Junior – 2nd Semester (taken at WSU) 14 Credit Hours	
CS 211 Intro to Programming	4
ENGT 312 Applied Statistics	3
ENGT 320 Circuits Technology	4
ENGT 354 Statistical Process Control	3
Engineer of 2020 (2 or 3)	
Senior – 1st Semester (taken at WSU) 18 Credit Hours	
ENGT 323 Introduction to Fluids	3
ENGT 313 Applied Dynamics	1
ENGT 334 Intro to Strength and Mechanics of Materials	3
ENGT 497 Electrical Machines & Electronic Circuits	4
ENGT 361 Industrial Controls & Instrumentation	4
ENGT 401 Senior Design Project I	3
Senior – 2nd Semester (taken at WSU) 12 Credit Hours	
ENGT 348 Machine Elements	3
ENGT 410 Robotics Technology	3
ENGT 411 Micro-Based Mechanical Systems Technology	3
ENGT 402 Senior Design Project II	3
Engineer of 2020 (3 of 3)	

A total of 58 credit hours taken at Wichita State for the completion of the B.S. degree in Engineering Technology (Concentration in Mechatronics Technology).