



2+2 Articulation Agreement Between
Wichita State University and Butler Community College

March 27, 2019

The purpose of this 2+2 agreement is to provide Butler Community College students the opportunity to transfer coursework from Butler Community College (Butler) to Wichita State University (WSU) in pursuit of a baccalaureate degree with a major in Industrial Engineering.

This agreement is for Butler students who have:

- Earned an Associates of Arts (A.A.) or Associates of Science (A.S.) degree
- Achieved a minimum cumulative GPA of 2.0
- Applied for admission to WSU

Butler students meeting the above requirements will:

- Be guaranteed admission to WSU with completion of application requirements and receipt of transcripts
- Enter with junior status toward a baccalaureate degree
- Be guaranteed to transfer all credits (100 level and higher) up to but not exceeding 64 credits from Butler with an earned grade of a C or better

Students can inquire about academic and participation scholarships, financial aid, and grants by contacting the WSU Financial Aid office (316-978-3430) or Butler's Advising Office (316) 322-6404.

For graduation from WSU with a Bachelor of Science in Industrial Engineering degree, students will need to fulfill transfer coursework from Butler along with all WSU general education requirements, degree requirements, and must meet all requirements for graduation as outlined by WSU.

To apply for admission students may contact the WSU Admissions office by calling: (316) 978-3085. Information and applications can also be found online at: www.admissions@wichita.edu.

Students transferring to WSU from Butler who have not completed an A.A. or A.S. must meet the necessary requirements for admission to WSU, and will have their transcript evaluated on an individual basis.



Wichita State University

A handwritten signature in black ink, appearing to be 'RM', written over a horizontal line.

Dr. Richard D. Muma
Provost and Professor

A handwritten signature in black ink, appearing to be 'DL', written over a horizontal line.

Dr. Dennis Livesay
Dean, College of Engineering

Butler Community College

A handwritten signature in blue ink, appearing to be 'Dr. Kimberly Krull', written over a horizontal line.

Dr. Kimberly Krull
President

A handwritten signature in blue ink, appearing to be 'Lori Winningham', written over a horizontal line.

Lori Winningham
Vice President of Academics

Industrial Engineering Pathway (2+2)
Butler Community College & Wichita State University
Courses taken at Butler Community College for completion of Associate in Science Degree

Freshman – 1st Semester (Taken at Butler) 15 Credit Hours		
Wichita State University Equivalent	Butler Community College	Hours
ENGL 101 College English I	EG 101 English Composition I	3
MATH 242 Calculus I	MA 151 Calculus I w/Analytic Geometry	5
CHEM 211 General Chemistry I	CH 110 College Chemistry I	5
ENGR 101 Introduction to Engineering (TE*)	EN 115 Engineering Concepts	2
Freshman – 2nd Semester (Taken at Butler) 15 Credit Hours		
ENGL 102 College English II	EG 102 English Composition II	3
MATH 243 Calculus II	MA 152 Calculus II w/Analytic Geometry	5
Credit awarded after successful completion of EN 102 (TE*)	EN 101 Engineering Graphics I	3
General Education (Fine Arts)	Approved General Education (Fine Arts) as found on the WSU Transfer Guide	3
HPS 2000 Elective (not transferable to B.S. degree)	Any Fitness/Wellness Elective	1
Sophomore – 1st Semester (Taken at Butler) 17 Credit Hours		
COMM 111 Public Speaking	SP 100 Public Speaking	3
General Education (Social & Behavioral Science)	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
PHYS 313 Physics for Scientists I (4 hours) and PHYS 315 University Physics Lab I (1 hour) (TE*)	PH 251 Physics I	5
IME 222 Engineering Graphics & IME 222L Graphics Lab	EN 102 Engineering Graphics II	3
IME 255 Engineering Economy	EC 250 Engineering Economics	3
Sophomore – 2nd Semester (Taken at Butler) 17 Credit Hours		
General Education (Humanities)	Approved General Education (Humanities) as found on the WSU Transfer Guide	3
CS 211 Introduction to Programming	IN 200 Beginning C++ w/Game Programming	3
PHYS 314 Physics for Scientists II (4 hours) and PHYS 316 University Physics Lab II (1 hour) (TE*)	PH 252 Physics II	5
General Education (Social & Behavioral Science)	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
IME 258 Manufacturing Methods and Materials I	IT 204 OR EN 201 Materials & Processes of Industry	3

*TE: Transferred as Technical Elective credits

A total of 64 credit hours taken at Butler Community College for completion of Associates in Science degree
63 credit hours will transfer to WSU towards B.S. degree in Industrial Engineering

Industrial Engineering Pathway (2+2)
Butler Community College & Wichita State University
Courses taken at Wichita State for completion of B.S. in Industrial Engineering

Junior – 1st Semester (Taken at WSU) 15 Credit Hours	
Wichita State University Requirement	Hours
MATH 511 Linear Algebra	3
IME 254 Engineering Probability & Statistics I	3
PHIL 385 Engineering Ethics	3
IME 556 Information Systems	3
Technical Elective	3
Junior – 2nd Semester (Taken at WSU) 18 Credit Hours	
IME 452 Work Systems	3
IME 524 Engineering Probability & Statistics II	3
IME 553 Production Systems	3
IME 554 Statistical Quality Control	3
IME 550 Operations Research I	3
Technical Elective	3
Senior – 1st Semester (Taken at WSU) 15 Credit Hours	
IME 563 Facilities Planning	3
IME 590 Industrial Engineering Design I	3
IME 650 Operations Research II	3
General Education-Further Studies	3
Technical Elective	3
Senior – 2nd Semester (Taken at WSU) 14 Credit Hours	
IME 549 Industrial Ergonomics	3
IME 565 System Simulations	3
IME 690 Industrial Engineering Design II	3
Mathematics & Science Technical Elective	3
Technical Elective	2

A total of 62 credit hours taken at Wichita State for the completion of the B.S.
degree in Industrial Engineering