



WICHITA STATE UNIVERSITY AND BUTLER COMMUNITY COLLEGE 2+2 AGREEMENT
Associate in Science Degree/Bachelor's Degree in Computer Science
March 26, 2020

The purpose of the 2+2 Agreement is to provide Butler Community College's students a four-year coordinated program through the pre-engineering curriculum where students will receive an Associate in Science degree at Butler Community College (BCC) in the first two years and a Bachelor of Science degree in Computer Science from Wichita State University (WSU) after two additional years. This agreement will provide guidance for both parties in advising students.

This agreement is for Butler Community College students who have:

- Earned an Associate in Science (A.S.) degree according to attached degree plan in Pre-Engineering.
- Achieved a minimum cumulative GPA of 2.0.
- Applied for admission to WSU.

Butler Community College 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 59 credit hours from Butler Community College 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 Butler Community 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 Butler Community College who have not completed an A.S. 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 and no less than 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.

Reverse Transfer

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

Modification of Agreement

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

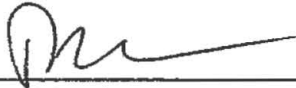
Terms of Agreement

The agreement will begin with the 2020-2021 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.

Wichita State University

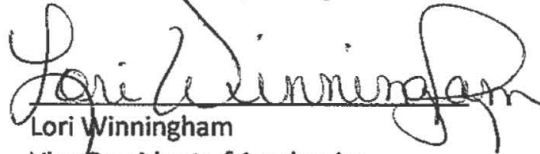


Dr. Richard Muma
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Butler Community College



Lori Winningham
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Butler Community College



Mel Whiteside
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Butler Community College

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

		Freshman – 1st Semester (Taken at Butler) 16 Credit Hours	
Wichita State University Equivalent	Hours	Butler Community College	Hours
ENGL 101 College English I (3)	3-G	EG 101 English Composition I	3
MATH 242 Calculus I (5)	5-M	MA 151 Calculus I w/Analytic Geometry	5
ENGR 101 Introduction to Engineering (2)	2-T	EN 115 Engineering Concepts	2
General Education (Fine Arts) (3)	3-G	Approved General Education (Fine Arts) as found on the WSU Transfer Guide	3
General Education (Social & Behavioral Sciences) (3)	3-G	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
		Freshman – 2nd Semester (Taken at Butler) 16 Credit Hours	
ENGL 102 College English II (5)	3-G	EG 102 English Composition II	3
MATH 243 Calculus II (5)	5-M	MA 152 Calculus II w/Analytic Geometry	5
CS 211 Introduction to Programming (3)	3-C	IN 200 Beginning C++ w/Game Programming	3
IME 254 Engineering Probability & Statistics I (3)	3-M 1-T*	MA 220 Statistics/Mgmt, Life, Soc Sci	5
		Sophomore – 1st Semester (Taken at Butler) 14 Credit Hours	
COMM 111 Public Speaking (3)	3-G	SP 100 Public Speaking	3
MATH 344 Calculus III (TE*) (3)	3-T	MA 253 Calculus III w/Analytic Geometry	3
PHYS 313 Physics for Scientists I (4) and PHYS 315 University Physics Lab I (1)	4-M 1-T	PH 251 Physics I	5
IME 255 Engineering Economy (3)	3-C	EC 250 Engineering Economics	3
		Sophomore – 2nd Semester (Taken at Butler) 14 Credit Hours	
CS 664 Computer Networks (3)	3-C	IN 245 CCNA I Internetworking Fundamentals	3
PHIL 105 Critical Reasoning (3)	3-G	PL 101 Introduction to Logic	3
PHYS 314 Physics for Scientists II (4) and PHYS 316 University Physics Lab II (1)	4-M 1-M	PH 252 Physics II	5
PHIL 354 Ethics/Computers	3-G	IN 275 Info Technology Ethics	3
Total	59		60

G: General Ed.; M: Math/Science; C: Engineering Core; T: Technical Elective

* Of the 5 credit hours (CH) 4CH will transfer in under Math/Sciences and 1CH will transfer in as a Technical Elective
A total of 60 credit hours taken at Butler Community College for completion of Associate in Science degree
59 credit hours will transfer to WSU towards B.S. degree in Computer Science

Computer Science Pathway (2+2)

**Butler Community College & Wichita State University
Courses taken at Wichita State for completion of B.S. in Computer Science**

Junior – 1st Semester (Taken at WSU) 14 Credit Hours	
Wichita State University Requirement	Hours
CS 238 Assembly Language Programming	3
CS 311 Object-Oriented Programming	4
CS 194 Introduction to Digital Design	4
MATH 321 Discrete Structures I	3
Junior – 2nd Semester (Taken at WSU) 16 Credit Hours	
CS 400 Data Structures and Algorithms I	4
CS 394 Intro to Computer Architecture	3
CS 480 Introduction to Software Engineering	3
MATH 322 Discrete Structures II	3
Technical Elective	3
Senior – 1st Semester (Taken at WSU) 14 Credit Hours	
CS 510 Programming Language Concepts	3
CS 540 Operating Systems	3
EE 585 Electrical Design Project I	2
MATH 511 Linear Algebra	3
Technical Elective	3
Senior – 2nd Semester (Taken at WSU) 17 Credit Hours	
Technical Elective	3
CS 560 Design and Analysis of Algorithms	3
CS 665 Introduction to Database Systems	3
EE 595 Electrical Design Project II	2
CS 410 Programming Paradigms	3
Technical Elective	3
Total	61

A total of 61 credit hours taken at Wichita State for the completion of the B.S.
degree in Computer Science