



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 Computer Science.

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 Computer Science 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



Butler
Community College

Wichita State University

Dr. Richard D. Muma
Provost and Professor

Dr. Dennis Livesay
Dean, College of Engineering

Butler Community College

Dr. Kimberly Krull
President

Lori Winningham
Vice President of Academics

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) 14 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
HPS 2000 Elective (not transferable)	0	Any Fitness/Wellness Elective	1
		Freshman – 2nd Semester (Taken at Butler) 14 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) 17 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
General Education (Social & Behavioral Sciences) (3)	3-G	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
		Sophomore – 2nd Semester (Taken at Butler) 16 Credit Hours	
General Education (Social & Behavioral Sciences) (3)	3-G	Approved General Education (Behavioral Science) as found on the WSU Transfer Guide	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
General Education (Further Studies) (3)	3-G	General Education (Further Studies) as found on the WSU Transfer Guide	3
Total	59		61

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 61 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
PHIL 354 Ethics and Computers	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	
CS 464 Computer Networks	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