WSU Tech to Wichita State: Associate of Arts (AA) to Computer Science, Bachelor of Science (BS) [E31A]

➡ General Education: Wichita State University Policy

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Foundation Courses Must be completed with a C- or better within the first 48 hours of college coursework.	ENGL 101 College English 1	ENG 101 Composition I	3			
	ENGL 102 College English 2	ENG 120 Composition II	3			
	COMM 111 Public Speaking	SPH 101 Public Speaking	3			
	MATH 111 College Algebra *AA Requirement only.*	MTH 112 College Algebra	3			Students who place into Trig or Calc do not need College Algebra.
Divisional Courses	Fine Arts	ART 100, MUS 110 or THR 100	3			
	Humanities – PHIL 105 or PHIL 125	PHL 115 Logic	3			
	Social/Behavioral Science –		3			
	Math & Natural Science – MATH 242	MTH 125 Calculus I	5			
Additional Courses At least 9 hours must be numbered 300 or higher	Gen Ed Div. 1 – MATH 243	MTH 150 Calculus II	5			See Tech advisor for limited availability.
	Gen Ed Div. 2 – PHIL 354	No Equivalent	3			300+ level course
	Gen Ed Any Div. – PHYS 313	No Equivalent	4			300+ level course
	Gen Ed Any Div. – PHYS 314 & 316	No Equivalent	5			300+ level course

NOTE: Students who have completed an AA or AS through a Kansas Community College may choose to fulfill general education requirements by completing two 300-level courses at Wichita State University.

➡ Math and Natural Science Requirements

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
These courses may also be listed in the general education requirements	MATH 242 Calculus I	MTH 125 Calculus I	5			
	MATH 243 Calculus II	MTH 150 Calculus II	5			
	MATH 321/CS 321 Discrete Structures I	No Equivalent	3			
	MATH 322 Discrete Structures II	No Equivalent	3			
	MATH 511 Linear Algebra	No Equivalent	3			
	MATH 555 Diff. Equations	No Equivalent	3			
	PHYS 313 Physics for Scientists I	No Equivalent	4			
	PHYS 314/316 Physics for Scientists II w/ lab	No Equivalent	5			

➡ Engineering Core

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes

Non-CS engineering requirements	EE 585 Senior Design Project I	No Equivalent	2			
	EE 595 Senior Design Project II	No Equivalent	2			
	IME 254 Engr. Probability & Stats I	No Equivalent	3			
	IME 255 Engineering Economy	No Equivalent	3			
	PHIL 354 Ethics and Computers	No Equivalent	3			

➡ Computer Science Courses

WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
CS 194 Intro to Digital Design	No Equivalent	3			
CS 211 Intro to Programming	No Equivalent	4			
CS 238 Assembly Language Programming	No Equivalent	3			
CS 311 Object-Oriented Programing	No Equivalent	4			
CS 394 Intro to Computer Architecture	No Equivalent	3			
CS 400 Data Structures	No Equivalent	3			
CS 410 Programming Paradigms	No Equivalent	3			
CS 510 Programming Language Concepts	No Equivalent	3			
CS 540 Operating Systems	No Equivalent	3			
CS 560 Design and Analysis of Algorithms	No Equivalent	3			
CS 580 Intro to Software Engineering	No Equivalent	3			
CS 656 Intro to Cybersecurity	No Equivalent	4			
CS 664 Computer Networks	No Equivalent	3			
CS 665 Intro to Database Systems	No Equivalent	3			
Technical Electives*	No Equivalents	12			Must take at WSU

*Select 12 credit hours. At least 9 out of the 12 credit hours must be from the School of Computing. Up to 2 credit hours of co-op can be used as non-departmental technical electives.

➡ Engineering+ Program requirements

Students must select 3 of the 7 options listed here to meet Engineering+ requirements.	Cooperative Education or Internship
	Entrepreneurship and Innovation
	Global Learning or Study Abroad
	Multidisciplinary Education
	Undergraduate Research
	Leadership
	Service Learning

Consult the Wichita State Undergraduate Catalog for detailed information and how to satisfy each Engineering+ option. Other information found at www.wichita.edu/engineering+

➡ Connect with Shocker Pathway Resources

www.wichita.edu/academics/adult_learning/shocker_pathway.php

Instagram: ShockerPathwayWSU   Twitter: @ShockerPathway Facebook: @WSUShockerPathway

➡ AA Graduation Requirements

Earn credit for **60** cumulative hours.
Earn a minimum of **15** hours at WSU.
Earn a minimum of **48** hours in Liberal Arts and Sciences coursework.
Complete all general education requirements.

Maintain an overall, WSU and cumulative GPA of 2.00 or higher.

BS in Computer Science Graduation Requirements

Earn credit for **120** cumulative hours.
Earn credit in a minimum of **60** hours at a 4-year institution.
Earn credit in a minimum of **45** hours of upper-division coursework.
Complete all general education requirements.
Maintain an overall, WSU, and program GPA of 2.00 or higher.
At least 24 of last 30 or 50 of last 60 credit hours must be completed at WSU.

Advising Resources

WSU Tech Advisor:	**School of Computing Advising**	Kris.roudebush@wichita.edu
Shelby Berry	Kris Roudebush, Academic Advisor	**School of Computing**
Phone: 316.677.1727	Jabara Hall Room 249	Jabara Hall, Room 249
Email: ssmith42@wsutech.edu	316.978.2822	316.978.3156

Suggested Course Sequence at WSU Tech for WSU Gen Ed Policy

	WSU Tech Course	CR	Prerequisite	Notes
WSU Tech Semester 1	ENG 101 Composition I	3	Entrance Score	If not eligible for ENG 101 take first available ENG course.
	MTH 112 College Algebra	3	Entrance Score	If student places into Trig or Calculus, student does not need to start w/ College Algebra. Math sequence should be top priority for Engineering students.
	SPH 101 Public Speaking	3		
	Fine Arts	3		
	Social/Behavioral Science	3		
WSU Tech Semester 2	ENG 120 Composition II	3	Min C in ENG 101	
	MTH 113 College Trigonometry	3	Min C in MTH 112	If student places into Calculus, student does not need to take Trig.
	PHL 115 Logic	3		
	Additional Gen Ed – Division 2	3		Non-M/NS, suggested 300+.
	Technical Elective	3+		Suggested CHM 125 or BUS 200
	ORI 003 Shocker Pathway Transfer	0		
WSU Semester 3	MATH 242 Calculus I	5	MTH 113 w/ C or score	MTH 125 @ Tech if Available
	CS 194 Intro to Digital Design	4	MTH 112 w/ C or better	
	CS 211 Intro to Programming	4	MTH 112 w/ C or better	
Courses at WSU to Finish AA	MATH 243 Calculus II	5	MATH 242 w/ C or better	
	PHYS 313 Physics for Scientist I	4	C: MATH 242	
	CS 238 or CS 311	4	CS 211 w/ C or better	
	PHYS 314/316 Physics for Scientists II w/ Lab	5	PHYS 313 & MATH 243 w/ C or better	
	PHIL 354 Ethics and Computers	3	Jr/Sr Standing	