

WSU Tech to Wichita State: Associate of Arts (AA) to Chemistry/Biochemistry Field Major (ACS), Bachelor of Science (BS) [A13T]



General Education: Wichita State University Policy

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Foundation Courses	ENGL 101 College English 1	ENG 101 Composition I	3			
Must be completed with a C- or better within the first 48 hours of college coursework.	ENGL 102 College English 2	ENG 120 Composition II	3			
	Speaking MATH 111 College Algebra, MATH 112 Pre-calculus, MATH 123 Trigonometry, or MATH 131	Speaking MTH 112 College Algebra or MTH 113 College Trigonometry	3			Pre-calculus and Contemporary Math not available at Tech
Divisional	Contemporary Math Fine Arts -	ART 100, MUS 110 or THR 100	3			
Courses	Humanities - Social/Behavioral	THIC ISO	3			
	Science – Math & Natural Science – BIOL 210	BIO 130 Biology I	4			Major Requirement. See Tech Advisor for limited availability
Additional Courses	Gen Ed Division 1 - CHEM 211	CHM 125 Chemistry I	5			Major Requirement.
At least 9 hours	Gen Ed Division 2 -		3			300+ level course
must be numbered 300	Gen Ed Any Division – CHEM 531	No Equivalent	3			Major Requirement. 300+ level course
or higher	Gen Ed Any Division –		3			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.



Fairmount College of Liberal Arts and Sciences (LAS) Breadth Requirements May also be listed in general education section and major requirements

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Humanities/ Fine Arts	Fine Arts -	ART 100, MUS 110 or THR 100	3			Gen Ed.
	Humanities - 1 st Discipline		3			Gen Ed.
	Humanities - 2 nd Discipline		3			
	Humanities/Fine Arts - Upper Division		3			Gen Ed.
Social/ Behavioral	Social/Behavioral Science - 1st Discipline		3			Gen Ed.
Sciences Candidates for the	Social/Behavioral Science - 2 nd Discipline		3			
BS 9 credit hours in two different departments with the distribution to the right.	Social/Behavioral Science – Upper Division		3			Gen Ed.
Natural Sciences	Natural Science – BIOL 210 General Biology I	BIO 130 Biology I	4			Major Requirement. Gen Ed. See Tech Advisor for limited availability.
	Natural Science – CHEM 211 General Chemistry I	CHM 125 Chemistry I	5			Major Requirement. Gen Ed.
	Natural Science - CHEM 531 Organic Chem I	No Equivalent	5			Major Requirement. Gen Ed.



Additional LAS Requirements

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Can also count towards Gen Ed and Breadth Requirements	Literature Requirement	ENG 110 Intro to Literature	3			
	Civics Course	HIS 110, HIS 120, or POL 101	3			
	Biology Requirement: BIOL 210 General Biology I	BIOL 130 Biology I	4			See Tech Advisor for limited availability.
	Physical Science Requirement: CHEM 211	CHEM 125 Chemistry I	5			
	Lab Course	Satisfied by major requirements				



Chemistry/Biochemistry Field Major Core Requirements

	WSU Course	e WSU Tech Course		Grade	Sem/YR	Notes
May be listed in	BIOL 210 General	BIO 130 Biology I				See WSU Tech
other sections as	Biology I		4			Advisor for
well.						Limited Availability.
	BIOL 211 General Biology	No Equivalent	1			Availability.
		No Equivalent	4			
	BIOL 419 Genetics	No Equivalent	4			
	BIOL 420 Molecular Cell	No Equivalent	4			
	Biology		4			
	CHEM 211 General	CHM 125 Chemistry I	_			
	Chemistry I		5			
	CHEM 212 General	CHM 135 Chemistry II	_			
	Chemistry II		5			
	CHEM 514 Inorganic	No Equivalent	_			Fall Only
	Chemistry		3			
	CHEM 523 Analytical	No Equivalent	4			Fall Only.
	Chemistry		4			
	CHEM 531 Organic	No Equivalent	_			
	Chemistry I		5			
	CHEM 532 Organic	No Equivalent	5			
	Chemistry II					
	CHEM 545 Physical	No Equivalent	3			Fall Only
	Chemistry I					
	CHEM 546 Physical	No Equivalent	3			Spring Only
	Chemistry II					
	CHEM 547 Physical	No Equivalent	2			Fall Only
	Chemistry Lab					
	CHEM 615 Advanced	No Equivalent	3			Spring Only
	Inorganic Chemistry					
	CHEM 616 Inorganic	No Equivalent	3			Spring Only
	Chemistry Lab					
	CHEM 662 Biochemistry	No Equivalent	3			Fall Only
	1		٥			
	CHEM 663 Biochemistry	No Equivalent	2	3		Spring Only
	II					
	CHEM 664 Biochemistry	No Equivalent	2			Spring Only
	Lab					
	CHEM 690 Independent	No Equivalent	2			
	Study/Research					

Applied Learning Experience required. See College Academic Advisor for requirement.



Supporting Math and Natural Science Requirements

WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
MATH 111/123 or MATH 112	MTH 111 & 113	6			Pre-calculus not available at Tech.
MATH 242 Calculus I	MTH 125 Calculus I	5			
MATH 243 Calculus II	MTH 150 Calculus II	5			See Tech advisor for limited availability
MATH 344 Calculus III	No Equivalent	3			
PHYS 313/315 Physics for Scientists I w/ Lab	No Equivalent	5			
PHYS 314/316 Physics for Scientists II w/ Lab	No Equivalent	5			



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 Chemistry/Biochemistry Field Major 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 at a 4-year institution.

Complete all general education requirements.

Maintain an overall, WSU, and program GPA of 2.50 or higher.

At least 24 of last 30 or 50 of last 60 credit hours must be completed at WSU.



Advising Resources

WSU Tech Academic Advisor:

Shelby Berry

Phone: 316.677.1727

Email: ssmith42@wsutech.edu

WSU Returning Adult Specialist:

Jenna Randall

Phone: 316.978.8406

Email: jenna.randall@wichita.edu ShockerPathway@wichita.edu

Fairmount College of Liberal Arts and Sciences (LAS) Advising Center

www.wichita.edu/lasadvising 316-978-3700 Option 2

LAS.advisor@wichita.edu



Connect with Shocker Pathway Resources

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

Instagram: ShockerPathwayWSU Twitter: @ShockerPathway Facebook: @WSUShockerPathway



Suggested Course Sequence at WSU Tech for WSU Gen Ed Policy

	LWGUT LG	CD.	l	
	WSU Tech Course	CR	Prerequisite	Notes
WSU Tech Semester 1	ENG 101 Composition I	3	Qualifying entrance score	If not eligible for ENG 101 take first English course available
	MTH 112 College Algebra	3	Qualifying entrance score	If not eligible for MTH 112 take first math course available. Student placing into MTH 113 should not take College Alg.
	SPH 101 Public Speaking	3		
	Fine Arts	3		Suggested in summer to lighten course load.
	CHM 125 Chemistry I	5		
WSU Tech	ENG 120 Composition II	3	ENG 101 w/ C or better	
Semester 2	MTH 113 College Trigonometry	3	MTH 112 w/ C or better	
	Social/Behavioral Science -	3		
	CHM 135 Chemistry II	5	CHM 125 w/ C or better	
WSU Tech	MTH 125 Calculus I	5		
Semester 3	Humanities -	3		Select a US History or American Politics
	Social/Behavioral Science -	3		course for one of these requirements.
	Humanities - Upper Division	3		
	ORI 003 Shocker Pathway Transfer	0		At WSU or BIO 130 at Tech if available
Courses to	BIOL 210 General Biology I	4		
Finish AA at	CHEM 531 Organic Chemistry I	5		
WSU	MATH 243 Calculus II	5		
	Social/Behavioral Science- Upper Division	3		