



## WSU Tech to Wichita State: Associate of Arts (AA) to Physics, Bachelor of Science (BS) [A21A]

### ➡ General Education: Wichita State University Policy

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
<b>Foundation Courses</b> <i>Must be completed with a C- or better within the first 48 hours of college coursework.</i>	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 and MATH 123 or MATH 112	MTH 112 College Algebra and MTH 113 College Trigonometry	3			Pre-calculus not available at Tech. Students that place into MTH 113 or MTH 125 can start in those courses.
<b>Divisional Courses</b>	Fine Arts -	ART 100, MUS 110 or THR 100	3			
	Humanities -		3			
	Social/Behavioral Science -		3			
	Math & Natural Science - CHEM 211	CHM 125 Chemistry I	5			Major Requirement.
<b>Additional Courses</b> At least 9 hours must be numbered 300 or higher	Gen Ed Division 1 -		3			
	Gen Ed Division 2 -		3			300+ level course
	Gen Ed Any Division -		3			300+ level course
	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
<b>Humanities/ Fine Arts</b>	Fine Arts -	ART 100, MUS 110 or THR 100	3			Gen Ed.
	Humanities – 1 <sup>st</sup> Discipline		3			Gen Ed.
	Humanities – 2 <sup>nd</sup> Discipline		3			
	Humanities/Fine Arts - Upper Division		3			Gen Ed.
<b>Social/ Behavioral Sciences</b> Candidates for BS degrees must take 9 credit hours in two different departments with the distribution to the right.	Social/Behavioral Science – 1 <sup>st</sup> Discipline		3			Gen Ed.
	Social/Behavioral Science – 2 <sup>nd</sup> Discipline		3			
	Social/Behavioral Science – Upper Division		3			Gen Ed.
<b>Natural Sciences</b>	Natural Science – CHEM 211 General Chemistry I	CHM 125 Chemistry I	4			Major Requirement. Gen Ed.
	Natural Science – 2 <sup>nd</sup> Discipline		5			
	Natural Science – Upper Division		5			Gen Ed. Non-major course.

## ➡ 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:	BIO 110, 120, 130, 150 or 160	4			Suggested BIO 110
	Physical Science Requirement:	Satisfied by major requirements	5			CHM 125
	Lab Course	Satisfied by major requirements				



## ➡ Physics Requirements

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
Introductory Physics Select 1 Option:	Option A: PHYS 213 & PHYS 214	PHS 120 & PHS 125	10			See Tech advisor for availability.
	Option B: PHS 313-316	No Equivalent	10			<b>Strongly preferred.</b>
	PHYS 551 Topics in Modern Physics	No Equivalent	3			
	PHYS 621 Analytical Mechanics	No Equivalent	3			
	PHYS 631 Electricity and Magnetism	No Equivalent	3			
	PHYS 641 Thermophysics	No Equivalent	3			
	PHYS 651 Quantum Mechanics	No Equivalent	3			
	PHYS 516, 517 or 616	No Equivalent	2			
	Upper Division Physics Electives	No Equivalent	8			Not PHYS 501/502

## ➡ Supporting Science and Math Requirements

	WSU Course	WSU Tech Course	CR	Grade	Sem/YR	Notes
	CHEM 211 General Chemistry I	CHM 125 Chemistry I	5			
	CHEM 212 General Chemistry II	CHM 135 Chemistry II	5			
	MATH 112 Pre-Calculus or Equivalent	MTH 112 & MTH 113	6			
	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			
	MATH 555 Differential Equations	No Equivalent	3			
	MATH 511, 545, 547 or 757	No Equivalent	3			

## ➡ 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 Physics 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](http://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](http://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

	WSU Tech Course	CR	Prerequisite	Notes
<b>WSU Tech Semester 1</b>	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. Students who place into MTH 113 or 125 should start in those courses.
	SPH 101 Public Speaking	3		
	CHM 125 Chemistry I	5	See Tech Advisor	
<b>WSU Tech Semester 2</b>	ENG 120 Composition II	3	ENG 101 w/ min C	
	MTH 113 Trigonometry	3	MTH 112 w/ min C or score	Students that place into MTH 125 can start in that course.
	CHM 135 Chemistry II	5		
	Fine Arts	3		
<b>WSU Tech Semester 3</b>	MTH 125 Calculus I	5		
	Humanities -	3		
	Social/Behavioral Science -	3		
	Biological Science Requirement	5		
	ORI 003 Shocker Pathway Transfer	0		
<b>WSU Semester 4</b>	PHYS 214 or PHYS 314&316	5	See Advisor	
	MATH 243 Calculus II	5	MTH 125 w/ min C	
	Upper Division General Education/LAS Requirements as Needed	6		