

WSU Tech to Wichita State: Associate of Arts (AA) to Biological Sciences – Biochemistry Field Major, Bachelor of Science (BS) [A12T]



General Education: Wichita State University Policy

| | WSU Course | WSU Tech Course | CR | Grade | Sem/YR | Notes |
|--|--|--|-----|-------|--------|--|
| Foundation | ENGL 101 College | ENG 101 | 3 | | | |
| Courses Must be completed with a C- or better within the first 48 hours of college coursework. | English 1 ENGL 102 College English 2 COMM 111 Public Speaking MATH 111 College Algebra, MATH 112 Pre-calculus, MATH 123 Trigonometry, or MATH 131 | Composition I ENG 120 Composition II SPH 101 Public Speaking MTH 112 College Algebra or MTH 113 College Trigonometry | 3 3 | | | Pre-calculus and Contemporary Math not available at Tech |
| Divisional Courses | Contemporary Math Fine Arts - | ART 100, MUS 110 or THR 100 | 3 | | | |
| Courses | Humanities - | THICIOS | 3 | | | |
| | Social/Behavioral Science – | | 3 | | | |
| | 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 | Gen Ed Any Division – CHEM 531 | No Equivalent | 3 | | | Major Requirement. 300+ level course |
| numbered 300 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 | | | | |

Biochemistry Core Requirements

| | WSU Course | WSU Tech Course | CR | Grade | Sem/YR | Notes |
|--|--|----------------------|----|-------|--------|---|
| May be listed in other sections as well. | BIOL 210 General Biology I | BIO 130 Biology I | 4 | | | See WSU Tech Advisor for Limited Availability. |
| | BIOL 211 General Biology | No Equivalent | 4 | | | / transmey. |
| | BIOL 419 Genetics | No Equivalent | 4 | | | |
| | BIOL 420 Molecular Cell Biology | No Equivalent | 4 | | | |
| | CHEM 211 General Chemistry I | CHM 125 Chemistry I | 5 | | | |
| | CHEM 212 General Chemistry II | CHM 135 Chemistry II | 5 | | | |
| | CHEM 523 Analytical Chemistry | No Equivalent | 4 | | | Fall Only. |
| | CHEM 531 Organic Chemistry I | No Equivalent | 5 | | | |
| | CHEM 532 Organic Chemistry II | No Equivalent | 5 | | | |
| | CHEM 662 Biochemistry | No Equivalent | 3 | | | Fall Only |
| | CHEM 663 Biochemistry | No Equivalent | 3 | | | Spring Only |
| | CHEM 664 Biochemistry Lab | No Equivalent | 2 | | | Spring Only |
| | BIOL/CHEM 666 Special Topics | No Equivalent | 3 | | | Fall Only |
| | BIOL/CHEM 669 Research in Biochemistry | No Equivalent | 2 | | | |
| | Biochemistry Electives | No Equivalent | 21 | | | |

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

\Rightarrow

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 | | | | Pre-calculus not available at Tech. |
| PHYS 213 General College Physics I | PHS 120 General Physics I | 5 | | | |
| PHYS 214 General College Physics II | PHS 125 General College Physics II | 5 | | | See Tech advisor for limited availability. |



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 Biological Sciences 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

| | 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 | PHS 120 General Physics 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 |
| C | | 4 | | |
| Courses to | BIOL 210 General Biology I | 4 | | |
| Finish AA at | CHEM 531 Organic Chemistry I | 5 | | |
| WSU | PHYS 214 College Physics II | 5 | | |
| | Social/Behavioral Science- Upper Division | 3 | | |