



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2025-2026

Associate of Science in Secondary Education – Biology (TSAP) To
Bachelor of Arts in Biological Sciences with Secondary Education

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Science (AS) in Secondary Education – Biology (TSAP) degree at Ivy Tech Community College (ITCC) and leads to the Bachelor of Arts (BA) in Biological Sciences with Secondary Education degree at Northern Kentucky University (NKU).

Applying to the IvyTech2NKU Program

Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at Ivy Tech, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Ivy Tech.

Degree Requirements for Ivy Tech

To earn a degree at Ivy Tech a student must successfully complete the required number of credits for the degree, attain a minimum GPA of 2.0 in the required technical and general education courses, and complete at least 15 degree credits in the curriculum as a regular student of Ivy Tech.

Admission Requirements for NKU

Students completing an associate degree with a cumulative GPA of 2.0 or higher will be accepted into NKU.

In addition, students must meet the following requirements for admission into Education.

(Courses in parentheses are Ivy Tech course equivalents)

- A minimum overall GPA of 2.75
- A minimum grade of “B” in CMST 101 (COMM 101) and ENG 102 (ENGL 215)
- A minimum grade of “C” in all other pre-admission courses and required EDU and EDS

courses, which include EDU 300 (PSYC 201), EDU 305 (EDU 101), EDU 313 (EDUC 201), EDU 316 (EDUC 255), and EDS 360 (EDUC 230).

- Meet the entrance exam requirement through an approved combination of passing scores on the ACT and/or Praxis I Core Academic Skills for Educators exams
 - o ACT Comp. 22 -OR-
 - o Reading (ACT: 20 -or- Praxis I: 156) and
 - o Eng./Writing (ACT: 18 -or- Praxis I: 162) and
 - o Mathematics (ACT: 19 -or- Praxis I: 150)

ACT scores must be less than 5 years old at time of admissions semester

- Pass criminal background check
- 60 semester hours completed
- An acceptable portfolio
- A completed application to the Teacher Education program
- A completed application to Northern Kentucky University

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students majoring in Education must maintain a GPA of 2.75 overall and in major courses and earn a minimum grade of C in all education courses. Students must meet the pre-requisites for each course. Students wishing to be certified to teach Biology at the secondary level must complete the requirements for the B.A. in Secondary Education along with the requirements for a B.A. in Biological Sciences. No minor is required for this major.

Ivy Tech Community College of Indiana

Students must complete the following courses for the AS in Secondary Education – Biology (TSAP).

Category 1: ITCC Indiana College Core Competencies

ITCC Course	Course or Category	Credits	NKU Course	Completed
ENGL 111	English Composition	3	ENG 101	
COMM 101	Fundamentals of Public Speaking	3	CMST 101	
MATH 211	Calculus I	4	MAT 129	
CHEM 105	General Chemistry I	5	CHE 120/120L	
CHEM 106	General Chemistry II	5	CHE 121/121L	
PHYS 101	Physics I	4	PHY 211	
HIST 101 or HIST 102	Survey of American History I or Survey of American History II	3	HIS 102 HIS 103	
ARTH 110 or HUMA 118	Art Appreciation or Music Appreciation	3	ART 100 MUS 100	
	Subtotal General Education Core	30		

Category 2: ITCC Degree Requirements for AS in Secondary Education – Biology (TSAP)

ITCC Course	Course or Category	Credits	NKU Course	Completed
IVYT 111	Student Success in University Transfer	1	UNV 100T	
EDUC 101	Introduction to Teaching	3	EDU 305	
EDUC 121	Child and Adolescent Development	3	EDU 300T	
EDUC 201	Technology in Education	2	EDU 313	
EDUC 250	Educational Psychology	3	EDU 300T	
EDUC 255	Multicultural Teaching	3	EDU 316	
BIOL 105	Biology I	5	BIO 150/150L	
BIOL 107	Biology II	5	BIO 151/151L	
BIOL 221	Molecular Biology	4	BIO 400/400L	
Select 1: BIOL 222 BIOL 240	Select one of the following courses: Genetics Ecology	4	BIO 349/349L BIO 304/304L	
	Total Associate Degree Credit Hours	63		

Northern Kentucky University

Students must complete the following courses for a major in Secondary Education.

Category 3: NKU Major Requirements for BA Secondary Education

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
EDU 104	Orientation: Education Profession/Program	1		
EDU 300	Human Growth and Development	3	PSYC 201	
EDU 304 or EDU 354	Reading and Writing Across the Curriculum: Middle Grades or Read/Write Across Curriculum-Secondary	3		
EDU 305	Introduction to Education	2	EDUC 101	x
EDU 311	Admission Field Experience Secondary	2		
EDU 313	Instructional Technology	3	EDUC 201	x
EDU 316	Education in a Multicultural Society	3	EDUC 255	x
EDU 319	Classroom Climate Management Secondary	1		
EDU 324	Fundamentals of Secondary Education	1		
EDU 325	Educational Assessment Secondary	2		
EDU 330	Teaching Science in Secondary School	3		
EDU 393	Secondary Field Experience I	2		
EDU 396	Secondary Field Experience II	2		
EDU 496	Clinical Experience Secondary	12		
EDS 324	Instructional Planning for Inclusive Secondary Classrooms	3		
EDS 360	Students with Exceptionalities in School	3	EDUC 230	
PSY 100	Introduction to Psychology	3	PSYC 101	x
CMST 101	Public Speaking	3	COMM 101	x
ENG 102	Advanced College Writing	3	ENGL 215	
	Subtotal Secondary Education Credit Hours at NKU	41		
	Subtotal Secondary Education Credit Hours at ITCC	14		
	Total Secondary Education Credit Hours	55		

EDU 311 is waived if student provides documentation of 50 hours of field experience in an education setting. If EDU 311 is waived, student must complete EDU 334: Portfolio Development (1 credit).

Students must complete the following courses for a major in Biological Sciences.

Category 4: NKU Major Requirements for BA in Biological Sciences

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
BIO 150/150L	Introduction to Biology I with lab	4	BIOL 105	x
BIO 151/151L	Introduction to Biology II with lab	4	BIOL 107	x
BIO 155	Orientation to Biology	1		
BIO 291W	Advanced Writing in Biology	3		
BIO 304/304L	General Ecology with lab	4	BIOL 240	x (if chosen)
BIO 349/349L	Genetics with lab	4	BIOL 222	
BIO 458	Evolution of Organisms	3		
BIO 491	Comprehensive Examination	0		
CHE 120/120L	General Chemistry I with lab	4	CHEM 105	x
CHE 121/121L	General Chemistry II with lab	4	CHEM 106	x
CHE 310/310L	Organic Chemistry I with lab	4		
PHY 211/213 or PHY 220/222	General Physics with Laboratory I and II or University Physics with Laboratory I and II	8-10	PHYS 101/102	x (need PHY 213)
STA 205	Introduction to Statistical Methods	3	MATH 200	
	Foreign Language (must complete a course at the 102 or higher level or CLEP or AP exam equivalency)	0-6		
	Select one course from cellular/molecular/genetics group (see NKU catalog for choices)	3-4		
	Select one course from ecology/evolution/organismal group (see NKU catalog for choices)	3-4		
	Complete at least 9 additional credit hours from the CMG, EEO, or general elective groups. Students may take electives from across these different groups.	9-12		
	Subtotal Biological Science Major Credit Hours at NKU	37-48		
	Subtotal Biological Science Major Credit Hours at ITCC	24		
	Total Biological Science Major Credit Hours	61-72		
	Total Baccalaureate Degree Credit Hours	144 - 155		

Updated July 2025