

# TRANSFER PATHWAY GUIDE

## 2021-2022

### Associate of Science in Biology at Sinclair College to a Bachelor of Science in Biological Sciences (General Biology Track) at Northern Kentucky University

#### **Overview**

Completion of the following curriculum will satisfy the requirements for the Associate of Science (AS) in Biology degree at Sinclair College and leads to the Bachelor of Science (BS) in Biological Sciences (General Biology Track) degree at Northern Kentucky University (NKU).

#### ***Degree Requirements for Sinclair College***

To earn a degree at Sinclair College, a student must complete a minimum of 60 credit hours, attain a minimum cumulative GPA of 2.0, and earn a minimum of 20 credit hours at Sinclair College.

#### ***Admission Requirements for NKU***

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

#### ***Tuition and Scholarships***

For information on tuition and scholarships, please visit <https://nku.edu/admissions/adult/online.html>

#### ***NKU Contacts***

Students can schedule a meeting with an advisor from the College of Arts & Sciences Advising Center at <https://inside.nku.edu/artsci/advisingcenter.html>

#### ***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 must have an overall GPA of 2.0 and meet all prerequisites for courses and requirements for the major. No focus or minor is required for this major.

Note: Students majoring in the BS in Biological Sciences may choose from the following tracks: General Biology Track, Cellular/Molecular/Genetics Track, Ecology/Evolution/Organismal Track, Forensic Science Track, or Pharmaceutical Sciences Track. This pathway outlines the courses for the General Biology Track. Students interested in another track should see the course catalog and work with an NKU advisor. Additionally, NKU offers a Bachelor of Arts in Biological Science. Students wishing to be certified to teach biology at the secondary level should complete the BA General Biology Track along with a BA in Secondary Education.

## SINCLAIR COLLEGE AS IN BIOLOGY TO NKU BS IN BIOLOGICAL SCIENCES CHECKLIST

### Sinclair College

#### Category 1: Sinclair Requirements for the AS in Biology

Sinclair Course	Course or Category	Credits	NKU Course	Completed
BIO 1171	Principles of Biology I	5	BIO 150/150L	
BIO 1272	Principles of Biology II	5	BIO 151/151L	
BIO 2222	Evolution	3	BIO 158	
BIO 2225	Ecology	4	BIO 304/304L	
BIO 2235	Genetics	4	BIO 349/349L	
BIO 2236	Lab for Genetics	0	BIO 349L	
CHE 1211	General Chemistry I	5	CHE 120/120L	
CHE 1221	General Chemistry II	5	CHE 121/121L	
COM 2206 or COM 2211 or COM 2225	Interpersonal Communication or Effective Public Speaking or Small Group Communication	3	CMST 220 CMST 101 CMST 230	
ENG 1101	English Composition I	3	ENG 101	
ENG 1201	English Composition II	3	ENG 102	
MAT 1450 or TBS XXX	Introductory Statistics or Ohio Transfer 36: Mathematics Elective	3-4	STA 205 or TBD XXX	
MET 1131	Personal Computer Applications for Engineering Technology	1	EGT 100T	
SCC 1101	First Year Experience	1	UNV 101	
TBS XXX	Multicultural Elective	3	TBD XXX	
TBS XXX	Ohio Transfer 36: Arts & Humanities Elective	6	TBD XXX	
TBS XXX	Ohio Transfer 36: Social & Behavioral Sciences Elective	6	TBD XXX	
	<b>Total Associate Degree Hours</b>	<b>60-61</b>		

TBS XXX means to be selected by Sinclair College student.

TBD XXX means to be determined by NKU based on course selected at Sinclair College.

### Northern Kentucky University

#### Category 2: NKU Major Requirements for the BS in Biological Sciences (General Biology Track)

NKU Course	Course	Credits	Sinclair Course	Taken at Sinclair
BIO 150/150L	Introduction to Biology I and Laboratory	4	BIO 1171	x
BIO 151/151L	Introduction to Biology II and Laboratory	4	BIO 1272	x
BIO 155	Orientation to Biology	1		
BIO 291W	Advanced Writing in Biology	3		

NKU Course	Course	Credits	Sinclair Course	Taken at Sinclair
BIO 304/304L	General Ecology and Laboratory	4	BIO 2225	x
BIO 349/349L	Genetics and Laboratory	4	BIO 2235	x
BIO 458	Evolution of Organisms	3		
BIO 491	Comprehensive Examination	0		
CHE 120/120L	General Chemistry I and Laboratory	4	CHE 1211	x
CHE 121/121L	General Chemistry II and Laboratory	4	CHE 1221	x
PHY 211/213 or PHY 220/222	General Physics with Laboratory I and II or University Physics with Laboratory I and II	8	PHY 1141/1142 or PHY 2201/2202	
STA 205	Statistical Methods	3	MAT 1450	x
TBS XXX	Foreign language at the 102 or higher level. Can be met by a two-course sequence, CLEP or AP exam equivalency.	0-6		
	General Biology Track			
TBS XXX	One course from the cellular/molecular/genetics group	3-4		
TBS XXX	One course from the ecology/evolution/organismal group	3-4		
TBS XXX	Select two BIO 300 level or above elective courses	7-8		
CHE 310/310L	Organic Chemistry I with Lab	4	CHE 2111	
CHE 311/311L	Organic Chemistry II with Lab	4	CHE 2121	
MAT 112 or MAT 128 or MAT 129	Applied Calculus or Calculus A or Calculus I	3-4	MAT 2160 or MAT 2270	
	<b>Total NKU Major Credit Hours</b>	<b>66-76</b>		
	<b>Less Major Credit Hours from Sinclair</b>	<b>27</b>		
	<b>Subtotal Major Credit Hours at NKU</b>	<b>39-49</b>		

### Category 3: Additional Requirements at NKU

NKU Course	Course	Credits	Sinclair Course	Taken at Sinclair
	<b>Subtotal Elective (some 300/400 level) Hours</b>	<b>10-21</b>		
	<b>Total Baccalaureate Degree Credit Hours</b>	<b>120</b>		

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