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TWO DEGREES, ONE PATH

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## TRANSFER PATHWAY GUIDE 2024-2025

Associate in Science to  
Bachelor of Science in Biological Sciences (Forensic Science Track)

### ***Overview***

Completion of the following curriculum will satisfy the requirements for the Associate in Science (AS) degree at Gateway Community and Technical College (GCTC) and leads to the Bachelor of Science (BS) in Biological Sciences (Forensic Science Track) degree at Northern Kentucky University (NKU).

### ***Applying to the Gateway2NKU 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 Gateway, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Gateway.

### ***Degree Requirements for GCTC***

1) Completion of minimum 60 credit hours, 2) minimum cumulative GPA 2.0, 3) minimum of 15 credit hours earned at the institution awarding the degree, 4) cultural competence course, 5) demonstration of digital literacy, and 6) college success requirement.

### ***Admission Requirements to NKU***

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

### ***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. In addition, a grade of C- or better must be earned in all biology courses that count toward completion of major requirements. The department has also identified a common core of support courses that must be completed with a C- or better by all biological science majors.

This track is designed to provide students who wish to pursue a career in forensic science with a solid background in the sciences while giving them the basic knowledge that they will need in order to

succeed in the criminal justice system. It is strongly recommended that majors in the track complete the minor in criminalistics offered by the Department of Political Science, Criminal Justice, and Organizational Leadership. By doing so, they will be much better prepared to work with law enforcement professionals. This track is designed to ensure that graduates who later decide to pursue some other area of work in the biological sciences or go to graduate school can do so with little if any additional coursework.

Even though a biological sciences major does not require a secondary area of study (e.g. minor or focus), students who complete the forensic science track will earn a minor in chemistry as the requirements for this minor are built into this track.

### ***General Transfer Information***

Students must complete the online application to NKU. There is no application fee for students who are transferring from GCTC.

**KCTCS Scholars Award:** Students who are KY residents transferring directly from a KCTCS institution with at least 36 hours from that institution and minimum GPA of 3.0, were never enrolled as a degree-seeking student at NKU, and will be enrolled in at least 12 credit hours both fall and spring semester are eligible for a limited number of \$2,500 annual scholarships (\$1,250 per fall and spring). Students must gain admission to NKU by June 15 for fall and November 1 for spring to be eligible for a possible scholarship. Online accelerated programs are not eligible for the KCTCS Scholars Award.

**GCTC AS TO NKU BS IN BIOLOGICAL SCIENCES  
(FORENSIC SCIENCE TRACK) CHECKLIST**

**Gateway Community and Technical College**

**Category 1: GCTC General Education Core Requirements**

<b>GCTC Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
ENG 101	Writing I (WC)	3	ENG 101	
Taken at NKU	Advanced Writing in Biology (WC)	3	BIO 291W	
TBS XXX	Oral Communication (OC)	3	TBD XXX	
TBS XXX	Arts & Humanities Course (AH) – Heritage	3	TBD XXX	
TBS XXX	Arts & Humanities Course (AH) – Humanities (PHI 110 - Medical Ethics recommended)	3	TBD XXX (PHI 220)	
JUS 101U	Introduction to Criminal Justice (SB)	3	JUS 101	
TBS XXX	Social/Behavioral Science (SB)	3	TBD XXX	
BIO 114/115	Biology I with Lab (NS)	4	BIO 150/150L	
BIO 116/117	Biology II with Lab (SL)	4	BIO 151/151L	
MAT 150	College Algebra (QR)	3	(MAT 102 or MAT 103) + MAT 100T	
STA 220	Statistics (QR)	3	STA 205	
	<b>Subtotal General Education Core Courses</b>	<b>35</b>		

TBS XXX means to be selected by GCTC student.

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

For Social and Behavioral Sciences courses, two disciplines must be represented and different from those in the Arts and Humanities category.

A grade of A or B in MAT 150 equates to MAT 103 + MAT 100T at NKU. A grade of C or D in MAT 150 equates to MAT 102 + MAT 100T.

**Category 2: GCTC AS Requirements**

<b>GCTC Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
CHE 170/175	General College Chemistry I with Lab	5	CHE 120/120L	
CHE 180/185	General College Chemistry II with Lab	5	CHE 121/121L	
	<b>Subtotal AS Requirement Courses</b>	<b>10</b>		

**Category 3: GCTC Electives**

<b>GCTC Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
FYE 105	Achieving Academic Success	3	UNV 100T	
CIT 105 or OST 105	Introduction to Computers or Intro to Information Systems	3	BIS 101	

GCTC Course	Course or Category	Credits	NKU Course	Completed
PHY 201/202	General College Physics I / Lab	5	PHY 211	
PHY 203/204	General College Physics II and Laboratory	5	PHY 213	
	<b>Subtotal Elective Courses</b>	<b>16</b>		
	<b>Total Associate Degree Hours</b>	<b>61</b>		

If completing digital literacy using other means, additional credits will be required in order to fulfill elective requirements.

Degree Requirement: One course must be selected from the KCTCS identified Cultural Competence course list in the KCTCS catalog.

### Northern Kentucky University

#### Category 4: NKU Major Requirements for the BS in Biological Sciences (Forensic Science Track)

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
BIO 150/150L	Introduction to Biology I with Lab	4	BIO 114/115	x
BIO 151/151L	Introduction to Biology II with Lab	4	BIO 116/117	x
BIO 155	Orientation to Biology	1		
BIO 291W	Advanced Writing in Biology	3	Taken at NKU	x
BIO 302/302L	General Microbiology with Lab	4		
BIO 304/304L	General Ecology	4	EST 150	
BIO 320/320L	Entomology with Lab	4		
BIO 342	Biometry	3		
BIO 349/349L	Genetics with Lab	4		
BIO 400/400L	Advanced Molecular Biology with Lab	4		
BIO 455 or CHE 350/350L	Scanning Electron Microscopy or Instrumental Analysis with Lab	3-5		
BIO 458	Evolution of Organisms	3		
BIO 491	Comprehensive Examination	0		
CHE 120/120L	General Chemistry I with Lab	4	CHE 170/175	x
CHE 121/121L	General Chemistry II with Lab	4	CHE 180/185	x
CHE 310/310L	Organic Chemistry I with Lab	4	CHE 270/275	
CHE 311/311L	Organic Chemistry II with Lab	4	CHE 280/285	
CHE 340/340L	Analytical Chemistry with Lab	5		
CHE 482/482L	Biochemistry I with Lab	4		
JUS 101	Introduction to Criminal Justice (SB)	3	JUS 101U	x
JUS 204	Criminal Investigation	3	CRJ 204	
PHY 211/213 or PHY 220/222	General Physics I and II with Lab or University Physics I and II with Lab	8-10	PHY 201/202 and PHY 203/204	x
MAT 129	Calculus I	4	MAT 175	
STA 205	Statistical Methods	3	STA 220	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	SPA 101 & SPA 102 or FRE 101 &	

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
			FRE 102, or GER 101 & GER 102 or RAE 101 and RAE 102 or JPN 101 and JPN 102 or SED 101 and SED 102	
	<b>Subtotal Major Credit Hours at NKU</b>	<b>54-62</b>		
	<b>Subtotal Major Credit Hours at GCTC</b>	<b>33</b>		
	<b>Total Major Credit Hours</b>	<b>87-95</b>		

**Category 5: Additional Requirements at NKU**

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
	<b>Subtotal Elective (300/400 level) Hours</b>	<b>0-5</b>		
	<b>Total Baccalaureate Degree Credit Hours</b>	<b>120-123</b>		

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