TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE
2024-2025

Associate of Arts To
Bachelor of Science in Information Technology

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Arts (AA) degree at Cincinnati State (CState) and leads to the Bachelor of Science (BS) in Information Technology degree at Northern Kentucky University (NKU).

Applying to the CState2NKU 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 Cincinnati State, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Cincinnati State.

Degree Requirements for Cincinnati State

1) Completion of minimum 62 credit hours, 36 of which from approved Ohio Transfer 36 courses, 2) minimum cumulative GPA 2.0, 3) completion of an FYE course as part of the first 12 credit hours taken at Cincinnati State, and 4) completion of Cooperative Education.

Admission Requirements to NKU

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

The Information Technology, B.S. – Cloud and Systems Administration Track is offered both face-to-face and online.

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, including earning a C- or better in all courses that count toward the major or minor. Students must complete a focus or minor as indicated on the pathway.

Advising Note

Students in the CState2NKU program should work closely with their advisors when choosing courses. This document serves as a guide but does not replace academic advising. When choosing Cincinnati State courses, student may also consult the Associate of Arts advising brochure or the catalog for A and B list courses in Arts and Humanities or Social and Behavioral Sciences.

Credits for Certifications: Students with a current certification at the time of registering for classes will receive credit for equivalent NKU courses based on the following course mappings.

Cisco

NKU students who have taken and passed an examination from Cisco, and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
CCNA Exam (200-301)*	CIT 247 Networking Fundamentals CIT 447 Network Design/Troubleshooting	6
CCNP Security Core Exam (350-701)*	CYS 484 Network Security	3
Certified Entry Networking	CIT 247 Networking Fundamentals	3

*Credit given for exams taken after Summer 2020

Computing Technology Industry Association (CompTIA)

NKU students who have taken and passed an examination from CompTIA, and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
Security+ (versions SY0-501 and later)	CYS 285 Cybersecurity Fundamentals	3
Network+	INF 284 Introduction to Computer Networks	3
Linux+	CIT 371 Unix Systems	3

Note: Students with Security+ exams SY0-401 and before will be required to take CYS 285.

CINCINNATI STATE AA TO NKU BS IN INFORMATION TECHNOLOGY

Cincinnati State

Category 1: Ohio Transfer 36 Requirements

CState Course	Course or Category	Credits	NKU Course	Completed
ENG 101	English Composition 1	3	ENG 101	
ENG 102	English Composition 2: Contemporary Issues	3	ENG 102	
COMM 110	Public Speaking	3	CMST 101	
TBS XXX	Arts & Humanities List A Elective	3	TBD XXX	
PHI 110	Ethics	3	PHI 200	
TBS XXX	Social/Behavioral Sciences List A Elective	3	TBD XXX	
TBS XXX	Social/Behavioral Sciences List B Elective	3	TBD XXX	
MAT 151	College Algebra	3	(MAT 102 or MAT 103) + MAT 100T	
MAT 131	Statistics 1 (Ohio Transfer 36 Elective 1)	3	MAT 131 + MAT 132 = STA 113 + STA 205	
MAT 132	Statistics 2 (Ohio Transfer 36 Elective 2)	3	MAT 131 + MAT 132 = STA 113 + STA 205	
TBS XXX	Natural/Physical Science Elective 1	4-5	TBD XXX	
TBS XXX	Natural/Physical Science Elective 2	3-5	TBD XXX	
	Subtotal General Education Core	**37-40**		

TBS XXX means to be selected by Cincinnati student.
TBD XXX means to be determined by NKU based on course selected at Cincinnati State.

A grade of A or B in MATH 151 equates to MAT 103 + MAT 100T. A grade of C or D in MATH 151 equates to MAT 102 + MAT 100T.

Category 2: CState Degree Requirements for the AA and NKU Recommendations

CState Course	Course or Category	Credits	NKU Course	Completed
FYE 1XX	First Year Experience Elective	1-3	UNV 100T	
HUM 190	Career Exploration Seminar: Associate of Arts and Sciences	2	CEP 101	
HUM 191 or HUM 192 or HUM 291 or HUM 292 or	Part-Time Cooperative Education 1 or Part-Time Cooperative Education 2 or Full-Time Cooperative Education 1 or Full-Time Cooperative Education 2 or	2	CEP 300	

CState Course	Course or Category	Credits	NKU Course	Completed
HUM 296	Full-Time Career Education Project			
IT 101	.NET Programming 1	3	INF 120	
IT 105	Information Technology Concepts	3	CIT 130	
IT 110	HTML with CSS and JavaScript	3	INF 286	
IT 111	Database Design and SQL 1	3	INF 282	
IT 115	Operating Systems Administration 1	3	CIT 271	
TBS XXX	Elective	0-5	TBD XXX	
	Total Associate Degree Credit Hours	**62-65**		

TBS XXX means to be selected by Cincinnati State student
TBD XXX means to be determined by NKU based on course selected at Cincinnati State

Northern Kentucky University

Category 3: NKU Major Requirements for the BS in Information Technology

NKU Course	Course	Credits	CState Course	Taken at CState
INF 100	Orientation to College of Informatics	1	Waived for students with AA degree	
INF 120	Elementary Programming	3	IT 101	x
INF 282	Introduction to Databases	3	IT 111	x
INF 284	Introduction to Computer Networks	3		
INF 286	Introduction to Web Development	3	IT 110	x
CIT 130	Information Technology Fundamentals	3	IT 105	x
CIT 171	Introduction to Linux	1		
CIT 271	Windows Administration	3	IT 115	x
CIT 371	Linux System Administration	3		
CIT 383	Scripting	3		
CYS 285	Cybersecurity Fundamentals	3		
STA 205 or STA 250	Statistical Methods or Probability and Statistics	3	MAT 131 + MAT 132	x
PHI 310	Information Ethics	3		
ENG 347	Technical Writing	3		
	Select one track from following tracks: Network and Administration Track Cloud and System Administration Track Cybersecurity Track General Track (Required courses are listed in Categories 5-8 tables below.)	18		
	Subtotal Major Credit Hours at NKU	**37**		

NKU Course	Course	Credits	CState Course	Taken at CState
	Subtotal Major Credit Hours at CState	**18**		
	Total Major Credit Hours	**55**		

Category 4: Additional Requirements at NKU

NKU Course	Course	Credits	CState Course	Taken at CState
	Subtotal Minor Credit Hours Taken at NKU Any NKU minor may be selected. Information Systems and Computer Science are common choices and require 15 additional credits.	**15-24**		
	Subtotal Elective (300/400 level) Hours	**0-6**		
	Total Baccalaureate Degree Credit Hours	**120-126**		

Students must choose a track below as part of the Information Technology major.

Category 5: NKU Network and System Administration Track

NKU Course	Course	Credits	CState Course	Taken at CState
CIT 247	Networking Fundamentals	3		
CIT 438	Cloud Computing	3		
CIT 447	Network Design/Troubleshooting	3		
CIT 470	Advanced Network and System Administration	3		
CYS 484	Network Security	3		
TBS XXX	Select one 300/400-level CIT course not included above. CSC 481 can count toward this elective.	3		
	Additional Credit Hours in Track	**18**		

Category 6: NKU Cloud and System Administration Track

NKU Course	Course	Credits	CState Course	Taken at CState
CIT 436	Web Server Administration	3		
CIT 438	Cloud Computing	3		
CIT 470	Advanced Network and System Administration	3		
CIT 472	Database Administration	3		
TBS XXX	Select six hours of CIT 300/400 level courses not listed above; CYS 439 and CSC 481 can count toward these electives.	6		
	Additional Credit Hours in Track	**18**		

Category 7: NKU Cybersecurity Track

NKU Course	Course	Credits	CState Course	Taken at CState
CYS 330	Introduction to Ethical Hacking	3		
CYS 385	Cybersecurity Analysis I	3		
CYS 484	Network Security	3		
CYS 485	Advanced Cybersecurity	3		
TBS XXX	Select two 300/400-level CIT or CYS courses not included above; BIS 382, CSC 481; CSC 482, and CSC 483 may count toward these electives	6		
	Additional Credit Hours in Track	**18**		

Category 8: NKU General Track

NKU Course	Course	Credits	CState Course	Taken at CState
CIT 436 or CIT 438	Web Server Administration or Cloud Computing	3		
CIT 470 or CIT 472	Advanced Network and System Administration or Database Administration	3		
CYS 330 or CYS 385	Introduction to Ethical Hacking or Cybersecurity Analysis I	3		
TBS XXX	Select 9 credit hours of 300/400 CIT or CYS coursework not taken above. CIT 247 and CSC 481 may count toward these electives. No more than 6 hours may be taken from CIT/CYS 392/399/492/499.	9		
	Additional Credit Hours in Track	**18**		

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