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# TWO DEGREES, ONE PATH

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## TRANSFER PATHWAY GUIDE 2024-2025

Associate of Applied Business in Information Technology  
at UC Clermont College to a Bachelor of Science in  
Information Technology at Northern Kentucky University

### ***Overview***

Completion of the following curriculum will satisfy the requirements for the Associate of Applied Business (AAB) in Information Technology degree at UC Clermont College and leads to the Bachelor of Science (BS) in Information Technology degree at Northern Kentucky University (NKU).

### ***Degree Requirements for UC Clermont***

To earn a degree at UC Clermont, a student must complete a minimum of 60 credit hours, attain a minimum cumulative GPA of 2.0, and earn a minimum of 15 credit hours at the institution awarding the degree.

### ***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.

**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.

**UC CLERMONT COLLEGE AAB IN INFORMATION TECHNOLOGY TO  
NKU BS IN INFORMATION TECHNOLOGY MAJOR CHECKLIST**

**UC Clermont College**

**Category 1: UC Clermont Requirements for the AAB in Information Technology**

<b>UC Clermont Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
PRFS 1100	First Year Experience UC Clermont College	1	UNV 100T	
BoK: HU	Humanities and Literature Elective	3	TBD XXX	
BoK: NS	Natural Science Elective	3	TBD XXX	
COMM 1076	Introduction to Interpersonal Communication	3	CMST 220	
ENGL 1001	English Composition	3	ENG 101	
ENGL 2089	Intermediate Composition	3	ENG 102	
IT 1050	Fundamentals of Information Technology	3	BIS 101	
IT 1051C	Fundamental of Digital Media	3	MIN 240	
IT 1080C	Computer Networking	3	INF 284	
IT 1081C	System Administration	3	CIT 271	
IT 1090C	Computer Programming I	3	CSC 260	
IT 2020	Implications of Information Technology	3	PHI 310	
IT 2030C	Information Security and Assurance	3	CYS 285	
IT 2035C	Network Infrastructure Management	3	CIT 130	
IT 2040C	Fundamentals of Web Development	3	INF 286	
IT 2045C	Computer Programming II	3	CSC 360	
IT 2060C	Database Management I	3	INF 282	
IT 2090C	Fundamentals of Open Source Web Server Application Development	3	INF 286	
IT 3045C	Contemporary Programming	3	CSC 200T	
IT 3046C	Client-Side Web Programming	3	CSC 301	
IT 3060C	Database Management II	3	INF 282 or INF 200T	
MATH 1008 or STAT 1034	Fundamentals of Quantitative Reasoning or Elementary Statistics I	3	MAT 115 or STA 113	
<b>Total Associate Degree Hours</b>		<b>64</b>		

TBS XXX means to be selected by UC Clermont student

TBD XXX means to be determined by NKU based on course selected at UC Clermont

## Northern Kentucky University

### Category 2: NKU Additional General Education Courses

NKU Course	Course or Category	Credits	UC Clermont Course	Taken at UC Clermont
TBS XXX	Oral Communication	3		
TBS XXX	Natural Science (must include lab if Natural Science elective from UC Clermont did not)	3-4		
TBS XXX	Self & Society	9		
TBS XXX	Culture & Creativity	3		
TBS XXX	Global Viewpoints	3		
	<b>Subtotal General Education Credit Hours</b>	<b>21</b>		

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

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
INF 100	Orientation to College of Informatics	1	Waived for students with AAB degree	x
INF 120	Elementary Programming	3	Waived by IT 1090C	x
INF 282	Introduction to Databases	3	IT 2060C	x
INF 284	Introduction to Computer Networks	3	IT 1080C	x
INF 286	Introduction to Web Development	3	IT 2040C	x
CIT 130	Information Technology Fundamentals	3	IT 2035C	x
CIT 171	Introduction to Linux	1		
CIT 271	Windows Administration	3	IT 1081C	x
CIT 371	Linux System Administration	3		
CIT 383	Scripting I	3		
CYS 285	Cybersecurity Fundamentals	3	IT 2030C	x
STA 205 or STA 250	Statistical Methods or Probability and Statistics	3		
PHI 310	Information Ethics	3	IT 2020	x
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		
	<b>Subtotal Major Credit Hours at NKU</b>	<b>31</b>		

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
	<b>Subtotal Major Credit Hours UC Clermont</b>	<b>25</b>		
	<b>Total Major Credit Hours</b>	<b>56</b>		

**Category 4: Additional Requirements at NKU**

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
	<p>Minor and Electives</p> <p>NKU requires a minimum of 15 additional hours at the 300 level or above to meet NKU graduation requirements. A minor may be selected to assist in satisfying this requirement. Please be aware not all minor requirements satisfy this requirement due to the nature of the courses that are included. If a minor is selected that does not meet the 15-hour requirement of 300 level or higher coursework, additional approved electives at the 300 level or higher will be required. Two common minors are Information Systems and Computer Science. The Information Systems Minor requires an additional 15 hours at the 300 or higher level and the Computer Science Minor requires an additional 6 hours at the 300 or higher level. Students who choose a Computer Science minor will need 9 additional hours at the 300 level or above.</p>	<p>A minimum of 15 credit hours at the 300 level or higher are required.</p>		
	<b>Total Baccalaureate Degree Credit Hours</b>	<b>131</b>		

Students must choose a track as part of the Computer Information Technology major. Track requirements are listed in the Categories 5-8 tables below.

**Category 5: NKU Network and System Administration Track**

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
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		
<b>Additional Credit Hours for Track</b>		<b>18</b>		

**Category 6: NKU Cloud and System Administration Track**

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
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		
<b>Additional Credit Hours for Track</b>		<b>18</b>		

**Category 7: NKU Cybersecurity Track**

NKU Course	Course	Credits	UC Clermont Course	Taken at UC Clermont
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		
<b>Additional Credit Hours for Track</b>		<b>18</b>		

**Category 8: NKU General Track**

<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>UC Clermont Course</b>	<b>Taken at UC Clermont</b>
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		
	<b>Additional Credit Hours for Track</b>	<b>18</b>		

Updated April 2024