TRANSFER PATHWAY GUIDE
2024-2025

Associate of Science in Informatics (TSAP) To
Bachelor of Science in Business Information Systems

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Science (AS) in Informatics degree at Ivy Tech Community College (ITCC) and leads to the Bachelor of Science (BS) in Business Information Systems 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 to NKU

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

The Business Information Systems degree is AACSB-accredited and therefore prospective majors must meet selective admission requirements co-established with the Haile/U.S. Bank College of Business. Students enter the program as a Pre-BIS major. Students are officially admitted to the program as a BIS major after meeting the following requirements:

- Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101 and MKT 205) with a grade of C- or better in each, and
- An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

Students transferring to NKU from Ivy Tech must earn a minimum grade of C- or better in each of the following transferred courses in order to meet selective admission requirements without having to repeat equivalent courses at NKU: ECON 201 and ECON 202.

Transfer students must complete a minimum of 12 credit hours at NKU (in any combination of courses) and establish a minimum 2.5 NKU GPA before applying for admission to the Business Information Systems major.

This major can be completed face-to-face or 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. All students successfully completing the BS in Business Information Systems automatically earn an interdisciplinary minor in Business satisfying the university's minor/focus/second major requirement for graduation.

Ivy Tech Community College of Indiana

Students must complete the following courses for an AS in Informatics.

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	
ECON 201	Principles of Macroeconomics	3	ECO 100	
ECON 202	Principles of Microeconomics	3	ECO 101	
MATH 135	Finite Math	3	MAT 114	
MATH 200	Statistics	3	STA 205	
TBS XXX	Scientific Ways of Knowing	3	TBD XXX	
TBS XXX	Scientific Ways of Knowing	3	TBD XXX	
TBS XXX	Scientific Ways of Knowing	3	TBD XXX	
TBS XXX	Humanistic and Artistic Ways of Knowing	3	TBD XXX	
	Subtotal General Education Core	**30**		

TBS XXX means to be selected by Ivy Tech student
TBD XXX means to be determined by NKU based on course selected at Ivy Tech

Category 2: ITCC Degree Requirements for the AS in Informatics

ITCC Course	Course or Category	Credits	NKU Course	Completed
IVYT 115	Student Success in Computing and Informatics	1	UNV 100T	
CPIN 239	Systems Analysis and Design	3	BIS 310	
CPIN 279	Computing and Informatics Exploration and Evaluation	1	INF 200T	
CSIA 105	Introduction to Cyber Security/Information Assurance	3	CIT 100T	
DBMS 110	Introduction to Data Analytics	3	INF 200T	
INFM 109	Informatics Fundamentals	3	CIT 130	
ITSP 132	IT Support Essentials I	2		
ITSP 134	IT Support Essentials II	2		
NETI 104 or NETI 109	Introduction to Networking or Networking I	3		
SDEV 120	Computing Logic	3	INF 100T	
SDEV 140	Introduction to Software Development	3	INF 120	
SDEV 153	Website Development	3	INF 286	
	Total Associate Degree Credit Hours	**60**		

A grade of C- or better is required in ECON 201 and ECON 202.

Northern Kentucky University – Business Information Systems

Category 3: NKU Business Courses for the BS in Business Information Systems

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
ACC 200	Introductory Financial Accounting	3	ACCT 101	
ACC 201	Introductory Managerial Accounting	3	ACCT 102	
BIS 300	Management Information Systems	3		
BIS 380	Quantitative Analysis for Business	3		
BUS 230	Legal Environment	3	BUSN 201	
BUS 330	Ethics: Managerial Decision Making	3		
ECO 100	Principles of Macroeconomics	3	ECON 201	x
ECO 101	Principles of Microeconomics	3	ECON 202	x
ECO 305	Foundations of International Business	3	BUSN 207	
FIN 305	Principles of Finance	3		
INF 201	Foundations of Informatics Professionals	1		
MAT 114	Finite Mathematics	3	MATH 135	x
MGT 300	Behavior in Organizations: Understanding Organizational Life	3		
MGT 305	Operations Management in Business	3		
MGT 490	Business Policy	3		
MKT 205	Principles of Marketing	3	MKTG 101	
STA 205	Statistical Methods	3	MATH 200	x
	Subtotal Business Core Credit Hours Taken at ITCC	**12**		
	Subtotal Business Core Credit Hours Taken at NKU	**37**		
	Total Credit Hours Required for the Business Core	**49**		

MAT 114 requires a math ACT score of 22 or a grade of C- or better in MATH 136 at Ivy Tech or MAT 102 at NKU.

Category 4: NKU Major Requirements for the BS in Business Information Systems

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
BIS 330	IT Project Management	3		
BIS 380 or MAT 112	Quantitative Analysis for Business or Applied Calculus	3		
BIS 485	Strategic Information Systems Management	3		
INF 110 or INF 120	Introduction to Application Development or Elementary Programming	3	SDEV 140 or SDEV 200 or SDEV 210 or SDEV 220 or SDEV 230 or SDEV 240	x
INF 282	Introduction to Databases	3	CSCI 210 or DBMS 110 + DBMS 210 or DBMS 130	

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
TBS XXX	Select one of the tracks below or five department approved courses: Information Systems Management Track Business Analytics Track Information Security Management Track (See track course options in Categories 6-8 tables below)	15		x (need 12 more credits)
	Subtotal Major Credit Hours Taken at ITCC	**6**		
	Subtotal Major Credit Hours Taken at NKU	**24**		
	Total Major Credit Hours	**30**		

Category 5: Additional Requirements at NKU

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
	Subtotal Elective (300/400 level) Hours	**0**		
	Total Baccalaureate Degree Credit Hours	**121**		

Category 6: NKU Information Systems Management Track

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
BIS 305	Advanced Business Programming	3		
BIS 310	Systems Analysis and Design	3	CPIN 239	x
BIS 430	Business Process Analysis	3		
BIS 435	Database Management Systems	3		
TBS XXX	Select one 300 or 400 level courses from the College of Informatics	3	CSIA 260	
	Track Credit Hours	**15**		

Category 7: NKU Business Analytics Track

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
BIS 320	Descriptive Analytics & Visualization	3		
BIS 360	Predictive Analytics	3		
BIS 460	Prescriptive Analytics	3		
TBS XXX	Select two 300 or 400 level courses from the College of Informatics with at least one of them being in BIS or HIN	6	CPIN 239 CSIA 260	x (need 1 course)
	Track Credit Hours	**15**		

Category 8: NKU Information Security Management Track

NKU Course	Course	Credits	ITCC Course	Taken at ITCC
BIS 370	Information Systems Auditing	3		
BIS 382 or HIN 382	Information Security Management or Healthcare Information Security and Privacy	3		
INF 284	Introduction to Computer Networks	3		
TBS XXX	Select two 300 or 400 level courses from the College of Informatics with at least one of them being in BIS or HIN	6	CPIN 239 CSIA 260	x (need 1 course)
	Track Credit Hours	**15**		

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