



***Associate of Science to Bachelor of Science in Business Information Systems***

Completion of the following curriculum will satisfy the requirements for the Associate of Science degree at Gateway Community and Technical College and leads to the Bachelor of Science in Business Information Systems degree at Northern Kentucky University.

**Degree requirement 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 studies course, and 5) demonstration of computer/digital literacy.

**Admission Requirements for a Bachelor of Arts in Health Communication at NKU:**

Student must meet pre-requisites for each course, must earn a minimum average GPA 2.5 AND earn at least a C- in Business Core courses. Students must also earn a minimum 2.0 GPA and a C- or better in all classes required for the Business Information Systems Major and Business Administration Minor.


## GCTC AS TO NKU BS IN BUSINESS INFORMATION SYSTEMS CHECKLIST


### Gateway Community and Technical College

Category I: General Education Core Requirements				
GCTC Course	Course or Category	Credits	NKU Course	
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II (WC)	3	ENG 291	
COM 181	Basic Public Speaking (OC)	3	CMST 101	
STA 220	Statistics (QR)	3	STA 205	
MAT 150	College Algebra (QR)	3	MAT 109	
TBS XXX	Natural Science Course with Lab (SL)	4	TBD XXX	
TBS XXX	Natural Science Course (SL)	3	TBD XXX	
ECO 201	Principles of Microeconomics (SB)	3	ECO 201	
TBS XXX	Social Behavioral Science (SB)	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Heritage	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Humanities	3	TBD XXX	
<b>Subtotal General Education Courses</b>		<b>34</b>		

TBS XXX means to be selected by GCTC student.

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

Category II: AS Requirements				
GCTC Course	Course or Category	Credits	NKU Course	
MAT 165	Finite Mathematics and its Applications (QR)	3	MAT 114	
TBS XXX	Quantitative Reasoning (QR) or Natural Science (NS) Course	3-4	TBD XXX	
ECO 202	Principles of Macroeconomics	3	ECO 200	
TBS XXX	Cultural Studies Course	3	TBD XXX	
<b>Subtotal AA Requirement Courses</b>		<b>12</b>		

Category III: Electives				
GCTC Course	Course or Category	Credits	NKU Course	
CIT 105 OR OST 105	Introduction to Computing OR Introduction to Information Systems *	0-3	BIS 101	
ACC 201	Financial Accounting	3	ACC 200	
ACC 202	Managerial Accounting	3	ACC 201	
CIT 120 or CIT 148	Computational Thinking or Visual Basic I	3	INF 120 or INF 110	
CIT 160	Introduction to Networking Concepts	3	INF 284	
BAS 267	Introduction to Business Law	3	BUS 230	
<b>Subtotal Elective Courses</b>		<b>15-18</b>		
<b>Total Associate Degree Hours</b>		<b>61-64</b>		

\*CIT 105 can be tested out of.

## Northern Kentucky University

Category IV: Selective Admission Requirements for the BS in Business Information Systems				
NKU Course	Course	Credits	GCTC Course	Taken at GCTC
ENG 101	College Writing	3	ENG 101	X
MAT 114	Finite Mathematics	3	MAT 165	X
CMST 101	Public Speaking	3	COM 181	X
ACC 200	Principles of Accounting I – Financial	3	ACC 201	X
ACC 201	Principles of Accounting II – Managerial	3	ACC 202	X
BUS 230	Legal Environment	3	BAS 267	X
ECO 200	Principles of Macroeconomics	3	ECO 201	X
ECO 201	Principles of Microeconomics	3	ECO 202	X
ENG 102	Advanced College Writing	3	ENG 102	X
STA 205	Introduction to Statistical Methods	3	STA 220	X

Category V: Major Requirements for the BS in Business Information Systems				
NKU Course	Course	Credits	GCTC Course	Taken at GCTC
MAT 109	Algebra for College Students	3	MAT 150	X
BIS 380	Quantitative Analysis with Excel	3		
MGT 300	Behavior in Organizations	3		
MGT 490	Business Policy	3		
BIS 300	Management Information Systems	3		
FIN 305	Principles of Finance	3		
MGT 305	Operations Management in Business	3		
MKT 205	Principles of Marketing	3	BAS 282	
INF 110 or INF 120	Introduction to Application Development or Elementary Programming	3	CIT 148 or CIT 120	X
INF 282	Introduction to Databases	3	CIT 170	
INF 284 or CIT 285	Introduction to Networks and Data Communication or Cybersecurity Fundamentals	3	CIT 160	X
BIS 305	Advanced Business Programming	3		
BIS 310	Systems Analysis and Design	3		
BIS 330	IT Project Management	3		
BIS 364	Visualizing Data for Business Analysis	3		
BIS 382 or HIN 382	Principles of Information Security or Healthcare Information Security & Privacy	3		
BIS 430	Business Process Analysis	3		
BIS 485	Strategic Information Systems Management	3		
TBS XXX	Selected Elective or Track Course (See options below)	3		

TBS XXX	Selected Elective or Track Course (See options below)	3		
<b>Subtotal Major Credit Hours Taken at NKU</b>		<b>51</b>		
<b>Total Baccalaureate Degree Credit Hours:</b>		<b>120</b>		

The BS in Business Information Systems has several track options, as noted above. Students can choose 6 hours from the guided electives or one of the tracks. Below is the list courses within each track.

<b>Guided Electives (6 credits)</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
BIS 373	Collaboration Systems with SharePoint	3	
BIS 384	Business Analytics	3	
BIS 394	Topics: Information Systems	3	
BIS 396	Applied Business Informatics	1-3	
BIS 397	Information Systems Projects	1-3	
BIS 402	Programming for E-Business	3	
BIS 420	Business Intelligence & Enterprise Applications	3	
BIS 435	Database Management Systems	3	
BIS 440	Global Information Technology Management	3	
BIS 494	Topics: Information Systems	3	

<b>Business Analytics Track (6 credits)</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
BIS 384	Business Analytics	3	
BIS 420	Business Intelligence & Enterprise Applications	3	

<b>Information Assurance Track (6 credits)*</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
ACC 310	Accounting Information Systems	3	
ACC 330	Fraud Examination	3	

\*BIS 382 must be the selected option in the Business Information Systems core.

<b>Computer Security Track (6 credits)*</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
CIT 371	Unix Systems	3	
Select one: CIT 430 or CIT 480 or CIT 481	Computer Forensics Securing Computer Systems Cybersecurity Capstone	3	

\*BIS 382 must be the selected option in the Business Information Systems core.

<b>Collaboration Systems Track (9 credits)</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
BIS 373	Collaboration Systems with SharePoint	3	
Select two: CMST 381	Computer-Mediated Communication	3	

CMST 303	Organizational Communication		
CMST 335	Communication and Conflict		

<b>Healthcare Information Systems Track (6 credits)*</b>			
<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>
HIN 355	Foundations of Health Informatics	3	
HIN 356	Health Information Management	3	

\*BIS 382 must be the selected option in the Business Information Systems core.

Graduation from NKU requires that a student successfully complete a minimum of 120 hours in college-level coursework, 45 of which must be earned at the 300/400 level. Students should work closely with their NKU academic advisor to ensure all major/minor and graduation requirements are fulfilled.

Updated 5/11/2018