



## YOUR PATHWAY TO A BACHELOR OF SCIENCE

Gateway Community & Technical College Associate of Applied Science in  
 Computer Information Technologies-Information Security Track **TO**  
 Union Institute & University - Bachelor of Science in Applied Technology and Business Leadership

	Course	Credits
CIT 105	Introduction to Computers	3
MAT 161	Statistics and Algebra	3

First Semester	Course	Credits
CIT 111	Computer Hardware and Software	4
CIT 120	Computational Thinking	3
CIT 160	Intro to Networking Concepts	4
ENG 101	Writing I	3
	Social/Behavioral Science	3
<b>Semester Total</b>		<b>17</b>

Second Semester	Course	Credits
CIT 144	Python I	3
CIT 170	Database Design Fundamentals	3
CIT 180	Security Fundamentals	3
CIT 217	UNIX/Linux Administration	3
<b>Semester Total</b>		<b>12</b>

Third Semester	Course	Credits
CIT 184	Attacks and Exploits	3
CIT 261	Microsoft Active Directory Services	3
CIT 262	Microsoft Server Infrastructure	3
	Natural Science Course	3
<b>Semester Total</b>		<b>12</b>

Fourth Semester	Course	Credits
CIT 182	Perimeter Defense	3
CIT 264	Microsoft Server Management	3
CIT 284	Computer Forensics	3
CIT 293	Employability Studies	1
	Heritage and Humanities Course	3
<b>Semester Total</b>		<b>13</b>



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**Associate of Applied Science Degree Awarded: 60 Hours**

**The Following Additional Courses Are Optional to Take at Gateway Community and Technical College or Union Institute and University to Meet General Education Requirements**

Additional Courses	Course	Credits
ENG 102/WRI 102 (at UI&U)	College Writing	3
History, Literature, Religion or Philosophy	Civilization and Human Legacy General Education	3
Sociology, Anthropology, Macro/Micro Economics or Interpersonal Communications	Social Systems and Behavioral Science	3
Biology, Chemistry, Environmental Science, or Geology	Observation and Analysis of the Natural World	3
Student Choice: Composition above 1020; Other math course 1000 or higher; History, Literature, Religion, Philosophy, Psychology, Sociology, Anthropology, Economics, Political Science, Biology, Chemistry, Environmental Science, Geology, Earth Science, Oceanography, Art, Music or Film	General Education Electives	6
Student Choice: Art, Music, Theater, Film or Dance	Creation and Analysis of the Arts	3
BUS 101 (or course equivalent)	Prerequisite for MGT 350	3
	Free Electives	4
<b>Total Possible Gateway Community and Technical College Credits</b>		<b>88</b>

Union Institute and University Required Coursework	Credits
MGT 350 Management of Financial Resources	4
LDR 430 Leadership: Global and Diverse Perspectives	4
MGT 425 Organizational Behavior and Culture	4
ATBL 440 Social and Ethical Issues in Applied Technology and Business Leadership	4
ATBL 450 Strategic Management and Business Policy in Applied Technology and Business Leadership	4
Elective Courses in the Major from Management (MGT) and Leadership (LDR) departments at the 300/400 level courses.	12
<b>Total Union Institute and University Credit</b>	<b>30</b>
<b>Total Credits for Degree</b>	<b>120</b>

*This Transfer Pathway represents one example of how to complete an associate and bachelor degree. Students should work closely with advisors at both institutions to discuss options. A counselor or advisor can also assist students with developing a graduation plan for full- or part-time study.*

*Course sequence may change based on the individual needs of the student and schedule type required.*

This program awards maximum credit for an associate degree from Gateway Community and Technical College, streamlining completion of a bachelor's degree from Union Institute and University. A maximum of 90 credits transfers to Union Institute and University from Gateway Community and Technical College for your bachelor's degree.

This information is provided by both institutions solely for convenience and expressly disclaims any liability which may otherwise be incurred. This is neither a contract nor an offer to make a contract. While every effort has been made to ensure the accuracy of the information, each institution reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, or any other subject addressed herein.