Step I: Associate in Arts Degree

B.S. Computer Science and Information Systems requirements	Associate in Arts Degree courses which fulfill NLU requirements	Semester Hours	Quarter Hours
GENERAL EDUCATION		**37**	**55.5**
Communications			
ENG 101 Beginning English Composition	ENG 101 Composition I	3	4.5
Oral Communication - min 4 QH	SPEC 101 Prin of Speech Communication	3	4.5
Communication Elective - min 4QH	ENG 102 Composition II	3	4.5
Humanities and Fine Arts			
Humanities/Fine Arts - min 4 QH	Any IAI approved Humanities course	3	4.5
Humanities/Fine Arts - min 4 QH	Any IAI approved Fine Arts course	3	4.5
Mathematics and Natural Sciences			
MTH 102 Statistical Foundation*	MATH 108 Statistics for Gen Ed	3	4.5
Natural Science - min 4 QH	Any IAI approved Physical or Interdisciplinary Sciences course	3	4.5
Mathematics/Natural Science - min 4 QH	Any IAI approved Life or Interdisciplinary Sciences course	4	6
Social and Behavioral Sciences			
Social/Behavioral Science - min 4 QH	Any IAI approved Social/Behavioral Sci course	3	4.5
Social/Behavioral Science - min 4 QH	Any IAI approved Social/Behavioral Sci course	3	4.5
Additional General Education Requirements			
Additional General Education Courses - min 8QH	Any IAI approved Social/Behavioral Sci course	3	4.5
	Any IAI approved Humanities or Fine Arts course	3	4.5
COMPUTER SCIENCE AND INFORMATION SYSTEMS		**15**	**22.5**
MIS 103 Management Info Systems Concepts	CS 105 Computer Science Principles (AA Elective)	3	4.5
CSS 200 Introduction to Information Systems	CS 100 Introduction to Computers (AA Elective)	3	4.5
CSS 205 Operating Systems	ITS 112 Operating Systems (AA Elective)	3	4.5
CSS 210 Intro to Networking and Info Security	NETW 120 Basic Networking (AA Elective)	3	4.5
CSS 301 Applied Object-Oriented Programming	CIP 214 C Programming (AA Elective)	3	4.5
PROGRAM ELECTIVES		**8**	**12**
	Any AA Computer Info Tech Elective	8	12
TOTAL TRANSFER:		**60**	**90**

*Grade of C or better is required for transfer

Notes: After transfer, online students are also required to complete MIS 437 Data Mining and Warehousing (5QH) as a part of Program Major

Notes related to Black Hawk College Gen Ed requirements:

Black Hawk requires one Non-Western Studies designated course in Humanities, Fine Arts, or Social/Behavioral Sciences to fulfill BHC requirement

Grade of C or better is required for ENG 101 and ENG 102

One Science course must include a lab. If taking interdisciplinary Sciences, both NSCI 101/102 are required

For Social/Behavioral Sciences, choose courses from two different disciplines

Step II: Additional courses to be taken at Black Hawk College or National Louis University

NLU Requirements	College courses which fulfill NLU requirements	Semester Hours	Quarter Hours
Computer Science & Information Systems Major			
CSS 220 Discrete Structures	MTH 161 Discrete Mathematics	3	4.5
Program Free Electives	Any college level courses	17	25.5
TOTAL TRANSFER:		**20**	**30**

Step III: National Louis University - B.S. Computer Science and Information Systems

	SH	QH
General Education Requirement GEN 203 You & NLU: Tools and Strategies of Student Success - This course will be waived for any student who transfers a minimum of 60SH/90QH BRV 200 Braven Accelerator or CAR 214 Creating and Communicating the Professional Brand or CAR 202 Creating Professional Identity and CAR 203 You the Professional (5)	**3**	**5**
Computer Science and Information Systems Major CSS 215 Introduction to Systems Analysis CSS 225 Introduction to Applied Programming CSS 300 Data Analysis CSS 492 Internship in Computer Science and Information Systems (must be taken at NLU) MIS 433 Developing and Managing Databases	**17**	**25**
Free Electives or concentrations or Minors offered at NLU	**20**	**30**
TOTAL	**40**	**60**

SUMMARY		**SH**	**QH**
Black Hawk College	Associate Degree	60	90
Black Hawk College or National Louis University	Additional Courses from Step II	20	30.5
National Louis University	Courses taken at NLU	40	60
TOTAL		**120**	**180.5**