

**APPENDIX A: Harper College and National Louis University – Associate in Applied Science, Information Systems
to the Bachelor of Science, Management Information Systems**

Step I: Associate Degree

B.S. Management Information Systems	Associate Degree courses which fulfill NLU requirements	Semester Hours	Quarter Hours
GENERAL EDUCATION		19	28.5
Communications			
LAE 101 English Composition I	ENG 101 Composition I	3	4.5
LAE 202 Effective Speaking	SPE 101 Fund of Speech Communication	3	4.5
Humanities			
One course – min 4.5 QH	CHN 202; FRN 202, 210; GER 202, 210; JPN 202; SGN 202, 210; SPA 202, 210; HST 105; HUM 101, 102, 104, 105, 106, 107, 110, 120, 125; LIT 105, 110, 112, 115, 206, 207, 208, 210, 220, 221, 222, 223, 224, 231, 232; PHI 101, 105, 115, 160, 205, 215, 220, 225, 231, 232	3	4.5
Quantitative Reasoning			
LAM 106 Basic Statistics	MTH 162, 165, 225	4	6
Physical and Life Science			
One course – min 4.5 QH	AST 100, 101, 112, 115; BIO 101, 103, 104, 105, 110, 115, 116, 120, 140, 150; CHM 100, 103, 105, 110, 121; GEG 111, 112; GEO 101, 102, 103; PHS 101, 105, 111, 112, 115, 170; PHY 100, 121, 201	3	4.5
Social Science			
One course – min 4.5 QH	ANT 101, 202, 205, 206; ECO 200, 211, 212; GEG 100, 101, 103, 104, 210; HST 111, 112, 121, 141, 142, 231, 232, 241, 242, 243, 245; PSC 101, 220, 250, 270, 280; SOC 101, 120, 205, 215, 230, 235	3	4.5
MANAGEMENT INFORMATION SYSTEMS MAJOR		12	18
MIS 433 Dev and Managing Databases	CIS 143 Introduction to Database Systems	3	4.5
MIS 456 Securing Corp Information	NET 280 IT Security (Info Systems Elective)	3	4.5
MIS 437 Data Mining Warehousing	CIS 245 Data Analysis	3	4.5
MIS 424 Dev and Mg Web Sites	WEB 150 Web Foundations	3	4.5
PROGRAM ELECTIVES		30	45
Free Electives	CAS 160 Introduction to Business Software	3	4.5
	CIS 101 Intro to Computer Info Systems	3	4.5
	CIS 106 Computer Logic and Prog Techn	3	4.5
	CSC 121 Computer Science I	4	6
	WEB 200 Web Scripting Foundations	3	4.5
	CIS 211 IT Project Management	3	4.5
	NET 122 Internet Protocols	3	4.5
	Information Systems Electives - min 8 SH	8	12
TOTAL TRANSFER:		61	91.5

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Step II: National Louis University - B.S. Management Information Systems

	SH	QH
General Education	22	33
LAA 101 and 102 Art Appreciation I and II		
LAP 100 General Psychology		
General Education Electives - 23 QH		
Management Information Systems Major	25	37
MIS 417 Network Management		
BUS 430 Management and Leadership		
BUS 431 Professional Communication for Managers		
MIS 436 Technology Applications in Management		
MIS 462 Systems Development Life Cycle		
MIS 470 Programming for Business Solutions		
MIS 471 IT Project Management		
MIS 499 MIS Capstone		
Free Electives	12	19
TOTAL	59	89

SUMMARY	SH	QH
Harper College Associate Degree	61	91.5
National Louis University Courses to be taken at NLU	59	89
TOTAL	120	180.5