

NORTHERN ILLINOIS UNIVERSITY
Transfer Guide
Associate in Applied Science in Computer Information Science
to
Bachelor of Science in Applied Management – Computer Science Emphasis
(2010/2011 catalog)

Northern Illinois University

DeKalb, IL 60115 -2854

NIU website: www.niu.edu

NIU Contact Person: **Colleen Barker, 815-753-0114, lynchbarker@niu.edu**

Transfer guides are produced as a service to MCC students. Every effort is made to maintain up-to-date and accurate information; however, this information is subject to change. Such changes take precedence over the information on this guide. Students should check with an MCC advisor and the four-year school at least two semesters prior to transfer or as soon as the transfer decision is made. Responsibility for complying with all applicable requirements ultimately rests with the student.

The Bachelor of Science in Applied Management (BSAM) – Computer Science emphasis is designed for students with an Associate in Applied Science (AAS) degree in a computer information systems-related field. The degree provides preparation for career advancement with coursework honing technical and leadership skills.

Courses will be offered beginning Fall 2010 in Rockford at the NIU Outreach Center. Students can take NIU courses while completing general core courses at MCC.

Admission Notes

- Complete the AAS in Computer Information Science at MCC using the education plan on this guide.
- Consult with NIU’s BSAM advisor, Colleen Barker, who will guide you through the program and provide admission information.
- Upon completion of the AAS degree, begin taking courses with NIU, either while or after completing the additional NIU general education requirements identified on this guide.
- Transfer coursework with grade of D is not accepted.
- GPA Calculation – Repeated courses for which a grade of C or better was earned in the first attempt will not be calculated into the admission GPA or be accepted for transfer credit. Repeated courses for which a grade of D or F was earned in the first attempt will be calculated into the admission GPA.

Complete AAS in Computer Information Science (Courses in **bold** print satisfy general education requirements at NIU)

AAS Degree Requirements	Credit Hours	
Communications	6	(3) ENG151 Composition I (3) SPE151 Intro. to Speech
Humanities & Fine Arts	3	<p style="text-align: center;"><u>Humanities</u></p> (3) ENG 240 Intro. Shakespeare (3) ENG 251 Intro. to Lit. (3) ENG 252 Studies in Lit. (3) ENG 253 Wrld Lit. to 1650 (3) ENG 254 Wrld Lit. 1650 - Pres. (3) ENG 255 British Lit. to 1800 (3) ENG 256 British Lit. 1800 - Pres. (3) ENG 260 Am. Lit. to (3) ENG 261 Am. Lit. 1860 - Pres (3) ENG 270 Bible as Lit. (3) ENG 271 Grk. & Rom. Myth. (3) ENG 272 Non-West. Myth. (3) ENG 275 Women’s Lit. (3) ENG 276 Asian Lit. (3) HUM 150 Hum. Through Arts (3) PHI 151 Intro. to Philosophy (3) PHI 155 Intro. to Logic (3) PHI 160 Eastern Philosophy (3) PHI 240 Philosophy of Rel. (3) PHI 251 Intro. to Ethics
		(3) PHI 261 Religions of World (3) PHI 262 Found. Rel. Texts (4) FRE 252 Inter. French II (4) GER 252 Inter. German II (4) SPA 252 Inter. Spanish II
		<p style="text-align: center;"><u>Fine Arts</u></p> (3) ART 151 Art Appreciation (3) ART 155 Non-Western Art (3) ART 165 Ethnic Folk Art (3) ART 171 Art History I (3) ART 172 Art History II (3) ART 173 Art History III (3) ART 175 History of Photo. (3) JRN 180 Intro. to Film (3) MUS101 Fundamentals of Music (3) MUS 151 Music Apprec. (3) MUS 153 Intro. Non-West. Mus. (3) MUS 154 Intro. to Am. Music (3) MUS 171 Music History I (3) MUS 172 Music History II (3) THE 151 Intro. to Theater
Math, Physical or Life Science	3	*(3) MAT 161 College Algebra

Social & Behavioral Sciences NOTE: NIU requires PSY151. Take the course either to satisfy your AAS degree requirement or to satisfy additional NIU gen.ed. requirements (see below)	3	(3) ANT 151 Intro. to Anthro. (3) ANT 155 Intro. to Archaeol. (3) ANT 170 Intro. Cultural Anthro. (3) ECO 150 Intro. Economics (3) ECO 251 Microeconomics (3) ECO 252 Macroeconomics (3) GEG 202 Geog the Developed Wrld (3) GEG 203 Geog of the Developing (3) GEG 204 Economic Geog. (3) HIS 165 History of Latin Am. (3) PLT 150 Intro. Pol. Thought (3) PLT 151 U. S. Government (3) PLT 155 State & Local Govt	(3) PLT 251 Internatl. Relations (3) PLT 255 Comparative Govt. (3) PSY 151 Intro. to Psychology (3) PSY 250 Hum. Dev/Life Span (3) PSY 251 Child Psychology (3) PSY 255 Adult Development (3) PSY 260 Intro. to Gerontology (3) PSY 265 Social Psychology (3) SOC 101 Marriage & Family (3) SOC 151 Intro. to Sociology (3) SOC 251 Social Problems (3) SOC 260 Soc. of Race & Eth.
Business Core	6	(3) Bus 145 Bus Appl of Math	(3) BUS 150 Intro to Business
Business Electives	4	Choose courses from MCC catalog with prefix ACC, AOM, BUS, MGT, or MKT ACC151 recommended	
Computer Information Systems Core	23	(2) CIS 110 Computer Literacy *(3) CIS 117 Intro to Programming (2) CIS 118 Intro to Windows (1) CIS 125 Computer Ethics (2) CIS 131 Intro Windows Spreadsheet	(2) CIS 132 Intro to Database Systems (2) CIS 133 Intermediate Database (2) CIS 143 Intro to UNIX (3) CIS 155 Network Essentials (2) CIS 180 Comp Security Awareness (2) CIS 250 Internship in CIS
Select one of the following options: Programming or Help Desk (17 credits)			
PROGRAMMING Option NOTE: CIS211 is a prerequisite to NIU major-related courses	9	(3) CIS 148 Intro to Java Programming *(3) CIS 211 Intermediate Programming	(3) CIS 275 Systems Design
PROGRAMMING Option Electives Choose 8 credit hours	8	(2) CIS 116 PC Opertng Sys & Hardware (2) CIS 145 Intro to the Internet (2) CIS 146 Intro Web Page Programming	(2) CIS 232 Advanced Database Systems (3) CIS 248 Interm JAVA Programming (1-4) CIS 290 Topics in CIS
HELP DESK Option	10	(2) AOM 120 Word Processing I (2) CIS 116 PC Opertng Sys & Hardware	(2) CIS 145 Intro. to the Internet (4) CIS 216 A+ Certification Prep
HELP DESK Option Electives Choose 7 credit hours	7	(2) AOM 122 Word Processing II (2) AOM 134 Intro. Desktop Publishing (2) AOM 234 Adv Desktop Publishing (1) CIS 136 Intro. Presentation Software (3) CIS 144 UNIX System Administration	(4) CIS 156 Adv Windows Workstation (4) CIS 157 Advanced Windows Server (2) CIS 231 Advanced Spreadsheet Appl (3) CIS 275 Systems Design (1-4) CIS 290 Topics in CIS
Total Degree Credits	65		

Additional NIU general education courses that can be completed through MCC.

NIU GENERAL EDUCATION	Credits	
Core Competencies		
English Core Competency	3	(3) ENG 152 Composition II
Math Core Competency	3	(3) MAT120 or 220 Statistics
Distribution Studies		
Science & Mathematics	5-9	ANT60; BIO105, 110, 130, 137, 157, 158; CHM115, 164, 165, 166; EAS120, 170, 171, 180, 185; GEG101, 102; GEL101, 103; HRT103; MAT 175; PHY280, 281, 291, 292;
Humanities & the Arts	6 - 9 (Must include at least one course taken in the humanities and one course taken in the visual and performing arts.	Humanities: ENG 240, 251, 252, 253, 254, 255, 256, 260, 261, 270, 271, 272,275, 276; HIS130, 131, 132, 170, 171, 172; HUM150; PHI151, 155, 160, 240, 251, 261, 262, 290; PLT281; Foreign Language: FRE252, GER252, SPA252 Visual and Performing Arts: ART151, 155, 165, 171, 172, 173, 175; JRN180; MUS101, 151, 153, 154, 171, 172; THE151
Social Science	6-9 (No more than 6 hours in one department)	ANT151, 155, 170; CIS106, 120, 225; ECE120; ECO150, 251, 252; EDU255; HIS165; GEG202, 203, 204, 220; PLT150, 151, 155, 251, 255; PSY151, 250, 251, 255, 260, 265; SOC101, 151, 251, 260
Interdisciplinary	3-6	HFE150; HIS141; JRN152, 165; PSY250
Credits to complete NIU gen. education requirements	At least 27 credits	

NOTE: A course can be used to satisfy only one requirement.

***MAT161, CIS117, & CIS211 are prerequisites to major-related coursework.**

Coursework taken through NIU - Bachelor of Science in Applied Management Computer Science Emphasis

Major course work through NIU	Credits		
BSAM Core	21	(3) ACC288 Fund. of Accountancy (3) MGMT333 Principles of Mgmt (3) MGMT346 Business Comm. (3) OMIS338 Prin. of Operations Mgmt	(3) MGMT412 Business Law (3) MKTG310 Principles of Marketing (3) FINA320 Principles of Finance
Computer Science Emphasis	29-30	(4) CSCI 330 The UNIX System (4) CSCI 340 Data Struc & Algor Analysis (4) CSCI 466 Databases (4) CSCI 467 Intro Software Engineering (4) CSCI 475 Web Development Elective (3-4 credits):300 level CSCI course	One of following: (3) CSCI 350 Computer Security Basics (3) CSCI 490Q Computer Security One of following: (3) CSCI 470 Programming in JAVA (3) CSCI 473 .NET Programming
Total major credits	50-51		