

McHenry County College to NIU course requirements for an AAS in Computer Information Systems – Programming option plus courses required for the NIU Industrial Technology BS Degree

MCC Courses to complete the AAS in CIS – Programming option

___ CIS 110 – Computer Literacy	___ CIS 211 – Intermediate Programming
___ CIS 117 – Intro. to Programming	___ CIS 219 – Intermediate Visual Basic
___ CIS 118 – Intro. to Windows	___ CIS 275 – System Design
___ CIS 125 – Computer Ethics	___ Program Electives (9 credits) see catalog
___ CIS 131 – Intro. to Windows Spreadsheet	___ ENG 151 – Composition (NIU Engl 103)
___ App. & CIS 132 – Intro. to Database Systems (NIU Tech 395 – Industrial Data Processing)	___ SPE 151 (NIU Coms 100)
___ CIS 133 – Intermediate Database	___ Humanities Elective (per NIU requirements)
___ CIS 143 – Introduction to UNIX	___ Social Science Elect (per NIU requirements)
___ CIS 155 – Network Essentials	___ CHM 164 (NIU Chem 110 & 111)
___ CIS 250 – Internship in CIS	___ BUS 145 or BUS 150
___ CIS 119 – Intro. to Visual Basic	___ Business Core Electives (4 credits) see catalog for list - ACC 151 (NIU Accy 206)

MCC Courses needed in completion of NIU IT degree

___ ENG 152 (NIU Engl 104)	___ (NIU Phys 150A)
___ Humanities Elective (per NIU requirements)	___ MAT 120 or 220 (NIU Stat 208)
___ Humanities Elective (per NIU requirements)	___ ENG 105 (NIU Tech Writing)
___ Social Science Elect (per NIU requirements)	___ EET 110 (NIU Tech 175/175A)
___ Interdisciplinary Elect (per NIU requirements)	___ EGR 151 (NIU Tech 211)
___ MAT 165 (NIU Math 155 - Trigonometry)	___ MET 102 (NIU Tech 265)

NIU Course work – Taken at NIU – DeKalb, Hoffman Estates, Naperville, or Rockford

Required NIU courses

- ___ Tech 302 – Graphic Presentation and Communications
- ___ Tech 404 – Supervision in Industry
- ___ Tech 429 - Plant location, Layout and Materials Handling
- ___ Tech 434 – Human Factors in Industrial Accident Prevention
- ___ Tech 391 – Industrial Quality Control
- ___ Tech 496 - Industrial Project Management

Technology Electives - Choose 4

- ___ Tech 402 - Industrial Training and Evaluation
- ___ Tech 442 - Work Simplification
- ___ Tech 443 - Engineering Economy
- ___ Tech 444 - Production Control systems
- ___ Tech 484 - Energy Management
- ___ Tech 492 – Manufacturing Distribution Applications

- ___ Technology Department elective – must be upper level 300/400 (consult NIU Technology Dept. Advisor)
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NIU Requirements for graduation – See www.ceet.niu.edu/tech for more information

- A minimum of 120 hours for graduation
- A minimum of 30 hours in NIU course work
- A minimum of 40 Hours in NIU 300/400 level courses
- Completion of the NIU General Education Core