

# Information Technology – AAS – Computer Programming Option (69-73 credits)

Available Completely Online

**Madisonville**

Advising Plan

2009  
-2010

Name \_\_\_\_\_ Empl ID# \_\_\_\_\_

## General Education Requirements

Course	Hrs	Grade	Semester
ENG 101 Writing I	3		
ENG 102 Writing II	3		
MT 150 College Algebra	3		
Science course with a Lab	3-4		
Oral Communications course	3		
Social Interaction course	3		
Heritage/Humanities course	3		

**Subtotal Credits: 21-22 hours**

## Technical Core Courses

Course	Hrs	Grade	Semester
CIS 120 Program Design & Development	3		
CIS 130 Microcomputer Applications <b>or</b> ET 107 Computer Applications for Technicians	3 (4)		
IT 105 Computer Maintenance Essentials <b>and</b> IT 205 Advanced Computer Maintenance <b>or</b>	3 3		
ET 232 Computer Software Maintenance <b>and</b> ET 234 Computer Hardware Maintenance <b>or</b>	(3) (3)		
CIS 110 Operating Systems Concepts <b>and</b> ET 234 Computer Hardware Maintenance	(3) (3)		
Introductory Networking Course (Refer to list of approved courses)	3-4		
IT 170 Introduction to Database Design	3		
IT 132 Web Page Development <b>or</b> IT 130 Web Site Design and Production	3 (4)		
Beginning Level Programming Language (Refer to list of approved courses)	3		

**Subtotal Credits: 24-27 hours**

## Computer Programming Courses

Course	Hrs	Grade	Semester
CIS 220 Systems Analysis and Design	3		
COE 199 Cooperative Education <b>or</b> CIS 280 Internship	3 (3)		
ACC 201 Financial Accounting	3		
Programming Languages (Must include at least 6 credit hours above the Beginning Level Language. Refer to list of approved courses)	12		
Management Classes (Refer to list of approved courses for Computer Programming Option)	3		

**Subtotal Credits: 24 hours**

**Program Coordinator: Chet Cunningham**  
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## IT – AAS – Computer Programming Option (69-73 credits)

### Program Coordinator's Notes:

The Math sequence to College Algebra (MT 150) is the following: MT055 (*Pre-Algebra*) & MT050 (*Developmental Math Workshop*) → MT065 (*Basic Algebra*) → MT 120 (*Intermediate Algebra*) → MT 150 (*College Algebra*).

### **Introductory Networking Courses:**

NIS 246, NIS 247, NIS 248, NIS 213

### **Beginning Level Programming Language Courses:**

CIS 143, IT 147, CIS 148, CIS 149, CIS 155, CS 115, NIS 150, NIS 152

### **Intermediate Level Programming Language Courses:**

CIS 232, CIS 243, CIS 252, CIS 262, CIS 248, CIS 249, CIS 250, CIS 255, CS 215

### **Advanced Level Programming Language Courses:**

CIS 258, CIS 259, CIS 260, CIS 265

### **Management Courses for Computer Programming Option:**

BA 200, BA 274, BA 287, BA 288, MFG 256, OST 275, QMS 101, QMS 201

### Information Technology Program Course Sequence - Based on Prerequisites

*Note: This is a suggestion and may not apply to every case. Individual sequences may differ. Talk to your advisor or the IT program coordinator for additional information. Students entering this program will need to have basic computer skills such as would be obtained through CIS 100 (Introduction to Computers) or equivalent.\* Underlined, italicized courses are only required for the Electronic Commerce option, but may be used as technical electives for other options.*

