South Central College
Program Design

AAS 3275 Information Systems

Program Information

Instructional Level	Associate Degree
Career Cluster	Arts, Communications, & Information Systems

Description

This program is designed to prepare the learner for a career as a computer programmer, programmer/analyst, database programmer, database administrator, technical writer, technical support specialist, help desk specialist, web designer, web developer, webmaster. The learner will receive a solid background in the basic concepts of computer programming, web page development, web server application development, management and maintenance of web servers, and electronic commerce concepts. The learner will be exposed to major programming languages, systems analysis, and software design, computer operating systems, and Internet services.

Program Admission Dates (Fall and/or Spring)

Fall and Spring

Program Location (North Mankato and/or Faribault)

North Mankato

Program Student Learning Outcomes

1   Design and code software applications using a variety of programming languages.

2   Utilize and maintain databases

3   Use current techniques, skills, and tools necessary for Information Systems

4   Analyze a problem, identify and define requirements appropriate to its solution.

5   Use knowledge and skills related to information technologies to enhance business administration and decision making.

6   Implement current cloud technologies

Program Configurations

Fall Start

Credits

Technical Elective	**Choose two or three: COMP2150 Web Services, COMP2312 Software Development, GCC1120 Graphic Software I**	4	Elective
COMP 2496	**Capstone - Software Development**	4	Technical Course

Spring Start

Credits

Technical Course	25
Liberal Arts & Sciences	15
Elective	20
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Total Credits	**60**

Semester 1

Course #	Course Title	Credits	Function
COMP 1200	**Hardware and Software Essentials**	4	Technical Course
COMP 1140	**Web For Business**	3	Technical Course
COMM Choice	**COMM110 or COMM120 or COMM140**	3	Liberal Arts & Sciences
COMP1120	**Foundations of Computing**	4	Technical Course

Semester 2

Course #	Course Title	Credits	Function
COMP 1360	**Introduction to Data Communications and Networking**	4	Technical Course
ENGL Choice	**ENGL100 or ENGL240**	4	Liberal Arts & Sciences
COMP1125	**Spreadsheet/Database Integration**	4	Technical Course
COMP1130	**Programming Fundamentals**	4	Technical Course

Semester 3

Course #	Course Title	Credits	Function
	Additional LAS Course not from MnTC Goal		

			Sciences

Semester 4

Course #	Course Title	Credits	Function
COMP2496	**Capstone - Software Development**	2	Technical Course
Technical Elective	**Choose two or three: COMP2145 Web**		

course. Please feel free to contact the instructor to help you determine your expertise level if you have not completed the prerequisite courses.

COMP 2312 **Software Development**   4   Successful completion of COMP 1130 1 0 10PA.9er Fundaopmea1(l)-s1( )w(l

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