

## COMPUTER CAREERS

# INFORMATION SYSTEMS

### A.A.S., 60 Credits



This program is designed to prepare the student 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, web master or software tester.

**Please note:** All program plans are preliminary and curriculum may change without notice. Your catalog of record may have different requirements – see Program Advisor.

#### S1: Fall Semester

Course ID	Course Name	Credits
COMP 1120	Foundations of Computing	4
COMP 1125	Spreadsheet/Database Integration	4
COMP 1200	PC Hardware/Software Essentials	4
LAS Credits**	Required LAS courses shown below – see Advisor**	

#### S2: Spring Semester

COMP 1130	Programming Fundamentals	4
COMP 1140	Web for Business	3
COMP 1360	Introduction to Data Communications and Networking	4
LAS Credits**	Required LAS courses shown below – see Advisor**	

**SECOND YEAR: CHOOSE 20 TECHNICAL CREDITS and COMP 2496 –CAPSTONE (2 credits). See Advisor.**

#### S3: Fall Semester Choices:

COMP 2145	Web Programming	4
COMP 2300	Java	4
GCC 1120	Graphic Software I	4
COMP 2496	Capstone – Software Development* (Required – see Instructor)	2
LAS Credits**	Required LAS courses shown below – see Advisor**	

#### S4: Spring Semester Choices:

COMP 2150	Web Services	4
COMP 2310	VB.Net	4
GCC 1120	Graphic Software I	4
COMP 2496	Capstone – Software Development* (Required – see Instructor)	2
LAS Credits**	Required LAS courses shown below – see Advisor**	

#### \*\* LIBERAL ARTS & SCIENCES COURSES: FIT INTO SEMESTER OR SUMMER \*\*

ENGL 100 or ENGL240	Composition or Technical Communications	4
SPCH 110 or COMM120 or COMM140	Public Speaking or Small Group Communications or Interpersonal Communications	3
MATH 115 or MATH 120	Concepts in Math or College Algebra	4
LAS Credits**	Additional LAS Credits: see Advisor	

#### Additional Program Information

This suggested course sequence is for students starting FALL semester. Students beginning spring semester will have a different course sequence. In addition to the classes listed at left, **College Readiness** classes may be required of some students. **See Program Advisor before starting.**

#### Degree Core Competencies:

1. Design and code software applications using a variety of programming languages
2. Utilize and maintain relational databases
3. Use web application development tools
4. Apply current web server technologies

Hands-on training is available on two platforms: IBM Midrange and PC clients & servers.

**Program Location:** North Mankato Campus

**Admission Dates:** Fall or Spring Semester

*This program has an online option for one or more of its courses. Contact Advisor for online option availability.*

For more information: (507) 389-7200 | admissions@southcentral.edu

#### Program Advisor:

**John Burns**

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\*Can take both fall or spring – see advisor.

\*\*The sequence in which a student takes the liberal arts credits is determined by the student's schedule, goals and skills. Prerequisites may be required for some courses. Discuss options with advisor.