

Bachelor's degree programs in Computer Science encompass two distinct emphases: an information systems (or business) emphasis and a technical emphasis. While either emphasis will prepare a student for a computing career, there are important differences in the context of the work to be performed, the types of problems to be solved, and the types of systems to be designed and managed. For both emphases, starting positions include such titles as programmer, programmer-analyst, and network analyst. Be sure to see an academic advisor or computer science faculty member to select the appropriate emphasis for you.

### **Information Technology Track**

The Information Technology (or business) track focuses on the use of computer technology and information management methods to solve business problems. This requires an understanding of the organizational context of the problem and the technologies, methodologies, and tools available in a variety of business applications.

Baccalaureate schools may have multiple computing degree programs, often located in different departments, which are based on the Computer Science recommendations. Consult the baccalaureate school you are considering as a transfer school to determine the department location and specific requirements for the specific major program in which you are interested.

**Students who have already chosen the university to which they plan to transfer should consult that institution's catalog or department advisor and an SVCC academic advisor in planning their program. Transfer guides for some universities are available at [svcc.edu/transfer](http://svcc.edu/transfer).**

### **Program Contacts at Sauk Valley Community College**

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- Academic Advising, 815-835-6354
- Kevin Megill, Associate Professor of Computer Information Systems, 815-835-6251

## **Total Hours Required - 67-68 Hours**

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### **Suggested Program**

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#### **First Semester - 17-18 Hours**

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- ACC 101 - Financial Accounting (4 Semester Hours)
- CIS 101 - Fund of Computer Info Systems (3 Semester Hours)
- CIS 150 - Fund Bus Computer Programming (3 Semester Hours)
- ENG 101 - Composition I (3 Semester Hours)
- FYE 101 - First Year Experience (1 Semester Hours)
- MAT 203 - Calculus & Analytic Geometry I (4 Semester Hours)

**OR**

MAT 220 - Finite Mathematics (3 Semester Hours)

**OR**

MAT 221 - Calc for Bus & Soc Science (4 Semester Hours)

#### **Second Semester - 16-17 Hours**

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- \*\*Life Science 3-4 Semester hour(s)
- ACC 102 - Managerial Accounting (4 Semester Hours)
- BUS 214 - Business Statistics (3 Semester Hours)
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- CIS 207 - C++ Programming (3 Semester Hours)
- ENG 103 - Composition II (3 Semester Hours)

### **Third Semester - 18 Hours**

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- Fine Arts 3 Semester hour(s)
- Social/Behavioral Science 3 Semester hour(s)
- CIS 208 - C++ Programming II (3 Semester Hours)
- COM 131 - Intro to Oral Communication (3 Semester Hours)
- ECO 211 - Principles of Macroeconomics (3 Semester Hours)
- MAT 230 - Discrete Mathematics (3 Semester Hours)

### **Fourth Semester - 15-16 Hours**

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- Humanities 3 Semester Hours
- Fine Arts 3 Semester hour(s)
- Personal Development 3 Semester hour(s)
- \*\*Physical Science 3-4 Semester hour(s)
- ECO 212 - Principles of Microeconomics (3 Semester Hours)

### **Footnotes**

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- \*CIS 150 or previous programming experience required as a prerequisite for CIS 207.
- \*\*One lab science is required