Associate in Arts Degree with a Concentration in Computer Science/ Information Technology Track (641)

The concentration in Computer Science prepares students to transfer to four-year universities to pursue a bachelor's degree in Computer Science or Computer Information Systems.

Transfer Considerations

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.

1. 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. The associate of arts degree corresponds to the information systems emphasis. The associate of science degree corresponds to the technical track. Be sure to see an academic advisor or computer science faculty member to select the appropriate emphasis for you.
2. The core of the computer science degree consists of the four-course sequence CIS 150-CIS 207-CIS 208-MAT 230. Of these, CIS 207 and 208 together cover the foundations of algorithms and data structures, which is prerequisite knowledge required by almost every transfer institution.

Competitive Admissions

Since admission is competitive, completing the recommended courses does not by itself guarantee admission.

Program Contacts at Sauk Valley Community College

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

Minimum Total Credit Hours - 67-68 Hours

Suggested Program

First Semester - 17-18 Hours

- ACC101 - Financial Accounting (4 Semester Hours)
- CIS101 - Fund of Computer Info Systems (3 Semester Hours)
- CIS150 - Fund Bus Computer Programming (3 Semester Hours)
- ENG101 - Composition I (3 Semester Hours)
- FYE101 - First Year Experience (1 Semester Hours)
- MAT203 - Calculus & Analytic Geometry I (4 Semester Hours)

  OR

  MAT220 - Finite Mathematics (3 Semester Hours)

  OR

  MAT221 - Calc for Bus & Soc Science (4 Semester Hours)

Second Semester - 16-17 Hours

- **Life Science 3-4 Semester hour(s)
- ACC102 - Managerial Accounting (4 Semester Hours)
- BUS214 - Business Statistics (3 Semester Hours)
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  CIS207 - C++ Programming (3 Semester Hours)
- ENG103 - Composition II (3 Semester Hours)

Third Semester - 18 Hours

- Fine Arts 3 Semester hour(s)
- Social/Behavioral Science 3 Semester hour(s)
- CIS208 - C++ Programming II (3 Semester Hours)
- COM131 - Intro to Oral Communication (3 Semester Hours)
- ECO211 - Principles of Macroeconomics (3 Semester Hours)
- MAT230 - Discrete Mathematics (3 Semester Hours)

Fourth Semester - 15-16 Hours

- Humanities 3 Semester Hours
- Fine Arts 3 Semester hour(s)
- Personal Development 3 Semester hour(s)
- **Physical Science 3-4 Semester hour(s)
- ECO212 - Principles of Microeconomics (3 Semester Hours)

Footnotes

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