



Computer Information Science

Associate in Science Degree, Transfer program

Division of Business Administration and Computing, Associate Dean: Nancy Latour

Department Chair: Hans-Peter Appelt

Students who enjoy working with people and dealing with computers will find this program attractive. The program is designed to provide the first two years of a baccalaureate computer information science or information technology program. Transfer options include: computer information science, information technology, management information system, systems analysis and design, telecommunication, database administration, and other computer related disciplines.

Graduates will be able to demonstrate an understanding of computing through developing logical solutions to a variety of problems; understand the functions of systems analysis, design, and development; and perform the development, implementation, and maintenance of information systems in a variety of organizational settings.

Since programs at transfer colleges vary greatly, it is essential that students meet early with their faculty advisor in order to select appropriate electives. Although it is not a requirement, basic keyboarding skills (minimum BUOT 1061 or equivalent) would enhance a student's chance of success in this program.

The State University of New York (SUNY) requires students who intend to receive a bachelor's degree from a SUNY college to complete at least 30 credit hours in specific general education areas. Students in this program who plan to transfer to a SUNY college can meet 21 credits of the general education requirement. For more specific information about this requirement, refer to SUNY General Education Requirement on page 8 and see an advisor for program assistance.

High school or equivalent preparation desired: biology, chemistry or physics and three years of mathematics, including intermediate algebra and trigonometry. Students who don't have this preparation will be able to get it here, but it may take longer to complete the program.

Program Requirements

English (ENGL 1010-1020. By placement)*	6	Computer courses (CSCS 1240, 1320, 2320, 2330; CSIT 2310; CSNT 1200)	20
Mathematics (MATH 1411-1412 or higher)*	6	Program electives	6
Social Sciences electives	6	Wellness	2
Speech (SPCH 1060 or 1080)	3	Total hours	64
Liberal Arts elective ¹	3		
Laboratory Science electives ¹	6		
Free electives	6		

*Based on placement, students may be required to take ENGL 0950 and/or ENGL 0990 before taking ENGL 1010, and MATH 0960 before taking a math credit course.

Students will be assessed for computer fundamental knowledge and placed in a Computer Essential course (CSCS 1200) the first semester, if needed. The Computer Essential course will count as a program elective if taken.

Sample Sequence: intended as a guide for academic planning. It need not be followed exactly or completed in four semesters.

<i>First Semester</i>		<i>Second Semester</i>	
Network Fundamentals (CSNT 1200)	4	C/C++ Programming (CSCS 1320)	4
Structured and Object-Oriented Problem-Solving (CSCS 1240)	3	Speech (SPCH 1060 or 1080)	3
Social Sciences elective	3	Mathematics (MATH 1412 or higher)	3
Mathematics (MATH 1411 or higher)	3	English (ENGL 1020)	3
English (ENGL 1010)	3	Social Sciences elective	3
		Wellness (Awareness/Instructional Component)	1
<i>Third Semester</i>		<i>Fourth Semester</i>	
Laboratory Science elective ¹	3	Structured and Object-Oriented Systems	
Data Structures (CSCS 2320)	3	Analysis & Design (CSIT 2310)	3
Discrete Structures (CSCS 2330)	3	Laboratory Science elective ¹	3
Free elective	3	Program electives ²	6
Liberal Arts elective ¹	3	Free elective	3
Wellness (Activity Component)	0.5	Wellness (Activity Component)	0.5

¹Laboratory sciences and liberal arts electives: select to fulfill requirements of transfer college.

²Select from CSCS, CSIT, CSNT or CSWT with advisor's approval.