	Transfer Planning Guide **St. Ambrose University** **B.S. in Computer Science**	**St. Ambrose Contact** Dr. Kevin Lillis Phone: (563) 333-6429 lilliskevinm@sau.edu **Black Hawk Contact** Advising Phone: 309-796-5100 ADVQC@bhc.edu

TRANSFER FACTS

- Students wishing to enter the Bachelor of Science in Computer Science at SAU are encouraged to complete the course recommendations within the Associate in Arts (AA) or Associate in Science (AS) degree at Black Hawk College.

- Students transferring with an AA or AS degree will be admitted to SAU with junior status and general education courses completed except for the Health and Fitness, Second Language, and Diversity-Equity-Inclusion categories. SAU recommends completing the second language requirement prior to transfer by completing three years of the same second language in high school, or the same second language in college (or demonstrated proficiency) through the 102-level.

- Students electing to transfer without an AA or AS degree will have their transcript evaluated on a course-by-course basis. These students are advised to follow SAU General Education recommendations; a BHC advisor can make course recommendations.

- GPA Requirements: Graduation from BHC is 2.00 min.   Admission to SAU is 2.00 min.

- Grade requirements: Black Hawk requires a "C" in ENG 101 and ENG 102. SAU will grant transfer credit for college-level work in all areas that correspond to courses offered at SAU if a grade of a "C" or better is earned.

- Credit Hours:
  - A minimum of 60 credits is required to complete the AA or AS degree.
  - A maximum of 64 community college credits may be applied toward BS degree.
  - A minimum of 120 combined credits from BHC and SAU are required to complete the BS in Computer Science.

SUGGESTED COURSES to earn the ASSOCIATE IN ARTS (AA) DEGREE.

The following course sequence may be modified to accommodate part-time students, or starting in a spring or summer semester. Selected BHC courses may also be offered in the summer or during the minimester. This plan assumes that students are academically eligible for all Semester 1 courses. **Course articulations based on the 2021-2022 BHC catalog and the 2021-2023 SAU catalog. Students are responsible for confirming all guide contents and verifying all transfer information.**

Semester 1			
Notes	**BHC Course**	**SH**	**Transfers to SAU as**
	ENG 101 Composition I	3	English Elective
1	MATH 161 Discrete Mathematics	3	CSCI 281 Discrete Structures
	SPEC 101 Principles of Speech Communication	3	COMM 129 Principles of Public Speaking
	NETW 125 Introduction to Networks	4	Technical Elective
	CS 105 Computer Science Principles	3	CSCI 140 Foundations of Computer Science
	Semester Hours	**16**	

Semester 2			
	ENG 102 Composition II	3	ENGL 101 English Composition

2	IAI Physical Science	3-4	Natural Science
2	IAI Social and Behavioral Science	3	Social Science
	CS 121 Intro to Computer Science	4	CSCI 195 Programming I
	NETW 255 Advanced Networking / N+ Prep	3	CSCI 270 Networks and Data Communications
	Semester Hours	**16-17**	

Semester 3

2	IAI Life Science	3-4	Natural Science
2	IAI Fine Arts	3	Humanities
2	IAI Humanities (Philosophy course recommended)	3	Humanities
	CS 225 Advanced Programming	4	CSCI 295 Programming II
	Semester Hours	**13-14**	

Semester 4

2	IAI Humanities or IAI Fine Arts	3	Humanities
2	IAI Social and Behavioral Science	3	Social Science
2	IAI Social and Behavioral Science	3	Social Science
	CS 252 Data Structures	3	CSCI 310 Data Structures *
3	Elective	2 min.	
	Semester Hours	**14**	

Total hours required for associate's degree – 60 minimum

NOTES:

1. Math 161 Discrete Mathematics is the required course for the Computer Science major.
2. IAI General Education courses: consult the BHC catalog or an advisor for course options in these categories:
   o The Life Science or Physical Science must include a lab.
   o For Humanities, it's recommended to complete an introductory Philosophy course at BHC to meet the prerequisite for the upper level Philosophy/Theology requirement at SAU.
   o Social and Behavioral Science courses must be from at least two disciplines.

   Completion of one Non-Western studies course is required to meet BHC graduation requirements. See an advisor or the college catalog for designated non-western studies courses available in Humanities, Fine Arts, or Social and Behavioral Science areas.
3. Elective(s) to reach 60 credits for the AA degree. Verify prerequisites are satisfied before enrolling. Recommended:
   a) Directed electives in the major:
      o MATH 124 Calculus I (4 credits) – transfers as General Education Mathematics
      o CIP 260 Systems Design and Development (3 credits) – transfers as CSCI 300 Systems Analysis and Design*
      o CS 227 Database Management Systems (3 credits) – transfers as CSCI 360 Database Management Systems*
   b) CIP 217 Advanced C# Programming (4 credits) – transfers as CSCI 294 Contemporary Programming Topics.
   c) Second language required by SAU. BHC offers SPAN 101 and SPAN 102 (4 credits each)

* Transfers at lower division not counting toward 300-level requirements.

This guide is intended as a projected plan and is not a contract. While effort is made to present current information, both institutions reserve the right to make changes to admission, graduation, degree, course and supplementary information without notice.   Students are responsible for confirming all guide contents and verifying all transfer information.   Updated: May 23, 2022