



## Sample Transfer Plan **Area of Focus: COMPUTER SCIENCE**

**This Sample Transfer Plan is for students intending to major in Computer Science after transfer but who have not selected a transfer institution.** Students who have a specific transfer school in mind should work with BHC and transfer school advisors to ensure the transfer school's requirements are met.

The Computer Science area of focus prepares students in algorithms, theoretical foundations of computer science, and software development. Students also need a strong foundation in mathematics. Graduates of bachelor degree programs will be prepared to work for a variety of companies including those that have a software, engineering, scientific, or mathematical focus

### General Education Recommendations; minimum 37 credits

This section includes the complete <a href="#">Illinois Articulation Initiative General Education Core Curriculum (IAI GECC)</a> , which is a package of courses meeting general education requirements at more than 100 participating Illinois colleges and universities.	
<b>Communication (9 credits) – all courses required</b> ENG 101 Composition I (3) – grade 'C' or better required ENG 102 Composition II (3) – grade 'C' or better required SPEC 101 Principles of Speech Communication (3)	<b>Social &amp; Behavioral Sciences (9 credits)</b> <i>Must include courses from two different disciplines</i> Choose three IAI: S courses (3) ECON 221 Macroeconomics (3) or ECON 222 Microeconomics (3) are excellent choices for CS majors
<b>Humanities &amp; Fine Arts (9 credits)</b> PHIL 100 Logic -or- other IAI: H or HF course (3) Fine Arts-choose one IAI: F or HF (3) Humanities or Fine Arts – choose another IAI: F, H, or HF course (3)	<b>Mathematics (3 credits)</b> MATH 124 Calculus I with Analytic Geometry (4) <i>IAI Major Panel recommendation</i>
<b>Physical &amp; Life Sciences (7 credits min. including one lab)</b> Life Science – choose one IAI: L course (3 min.) Physical Science – PHYS 201 Mechanics and Thermal Physics (5) <i>IAI Major Panel recommendation</i>	

### Elective Recommendations; minimum 23 credits

This section includes courses appropriate for this area of focus. Because transfer institutions vary in their acceptance of coursework, see <a href="#">Course Transfer Tables and Transferology</a> , or an advisor. IAI courses are identified with an asterisk *. <b>Seek advising about other elective courses that may support your reasons for choosing this area of focus.</b>	
<b>Computer Science Electives</b> CS 105 Computer Science: Principles (3) CS 121 Intro to Computer Science (4) * CS 225 Computer Science II (4) * CS 227 Database Management Systems (3) CS 252 Data Structures (3) CS 260 Systems Design and Development (3)	<b>Second Language:</b> Consider potential second language admission and/or graduation requirements of transfer schools, which may be satisfied with high school and/or college courses. Consult an advisor.

<p><b>Other Electives</b>  MATH 161 Discrete Math (3)*  MATH 225 Calculus II with Analytic Geometry (4)*</p>	<p><b>Minor:</b> Transfer majors may require a minor area of study, which may be started at BHC with 1-3 courses. Discuss possible minors &amp; courses with an advisor.</p>
<p><b>60 total credits required for AA degree (General Education + Electives)</b></p> <p><b>Non-Western studies graduation requirement.</b> To graduate with the AA degree, include at least one non-Western studies course. The course can simultaneously fulfill a general education requirement in humanities, fine arts, or social and behavioral science, or be taken as an elective. Choose from ANTH 100 or 102; ART 285 or 286; ENG 217, 218 or 219; HIST 115, 116, 141, 142, 151 or 222; HUM 102; IS 200; or MUSC 158.</p>	

### Learn More About This Area of Focus

- Get to know [Black Hawk College Career Services](#) Phone: 309-796-5626
- Visit [Career Coach](#) to Browse Careers. Includes job data and open positions for the greater Quad City region and beyond.
- Browse careers at [Collegegrad.com/careers](#) [O\\*Net OnLine](#) [Occupational Outlook Handbook](#) [Occupational Profiles](#)
- For additional information visit: [Center for Excellence for Information and Computer Technology](#); [IEEE Computer Society](#); [Association for Computing Machinery](#)

### Course Transferability

- Course and transfer requirements can vary among institutions and may differ from the recommendations on this guide. Grades of 'C' or better may be required for a course to transfer, especially courses intended for the major.
- Students are advised to select a transfer school as soon as possible, typically before completing 30 college-level credits.

### Degree Timeframe

- Students who complete an average of 15 college-level credits in four consecutive fall and spring semesters could complete the degree in two years. Students determine their own pace and progress and should consider their work and personal commitments, course difficulty, course pre-requisites, and possible need for additional courses determined by placement assessments. Advisors are available to discuss credit load and schedules appropriate for student goals and circumstances.
- Students transferring before completing the associate degree should discuss [Reverse Transfer](#) with their BHC advisor. Black Hawk College will evaluate your college or university work to determine if those credits will fulfill the remaining requirements of the associate's degree.

### Advising Notes

- See the current [BHC Catalog](#) for all IAI course codes, course descriptions, pre-requisite information, and complete graduation requirements to earn the degree. The area of focus is not stated on student transcripts.
- This guide is not a substitute for advising.
  - Summer and Fall Semesters – be advised in February or March.  
Registration begins on the 1st Tuesday in April.
  - Spring Semester and the Minimester – be advised in September or October.  
Registration begins on the 1st Tuesday in November.

### Need Help?

Advisors and faculty are available to support your planning and transfer goals.

QC Campus Advising in Moline, IL Building 1, Advising Center 309-796-5100  Email <a href="mailto:advqc@bhc.edu">advqc@bhc.edu</a>	East Campus Advising in Galva, IL Building A, Room 246  309-854-1709	<a href="#"><u>Business, Computer &amp; Engineering Technology Department</u></a>
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BHC develops Sample Transfer Plans as a service to students. This guide is for general planning purposes. Final responsibility for verifying all graduation and transfer requirements rests with the student.

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