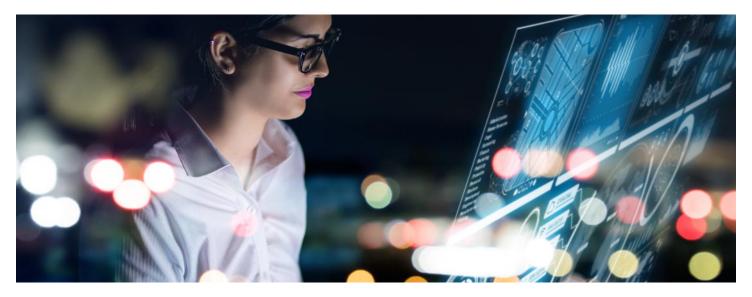# COMPUTER SCIENCE, ASSOCIATE IN SCIENCE

College(s): DA, HW, KK, MX, OH, TR, WR

Program Code: 0211

Sample Transfer Pathway

This is an **example course sequence** for students interested in pursuing Computer Science. This does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to bachelor's-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit www.itransfer.org (http://www.itransfer.org) and speak with your college advisor to learn more about IAI.

Semester-by-Semester Example Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Semester 1

		Hours
ENGLISH 101	Composition [1]	3
CIS 101	Computer Science 101 [2]	3
CIS 116 or CIS 118	Operating System I [2] or Information Technology Problem Solving	3
MATH 146	Discrete Mathematics [1,3]	4
Humanities course [1]		3
	Hours	**16**

Semester 2

ENGLISH 102	Composition [1]	3
Social and Behavioral Sciences course [1]		3
CIS 103	Fundamentals of Programming [2]	3
Physical Sciences course [1]		3

CIS 144	Java Object Oriented Programming I [2]	3
	Hours	**15**

Semester 3

SPEECH 101	Fundamentals Of Speech Communication [1]	3
Social and Behavioral Sciences course (HD) [1]		3
MATH 125 or MATH 207	Introductory Statistics [1] or Calculus & Analytic Geometry I	4-5
CIS 142	C++ Object Oriented Programming I [2]	3
CIS 244	Java Object Oriented Programming II [2]	3
	Hours	**16-17**

Semester 4

Life Sciences course [1]		4
Physical Sciences or Life Sciences course [1]		3
Fine Arts course [1]		3
CIS 260	Computer Information Systems Field Project [2]	3
	Hours	**13**
	Total Hours	**60-61**

[1] General Education Requirement
[2] Pathway Elective
[3] ALEKS-based placement **or** prerequisite: MATH 140 College Algebra

Recommended electives may vary by transfer institution. Choose your courses with your College Advisor.

Institution-specific transfer guides and agreements can be found on CCC's transfer site (https://www.ccc.edu/services/Pages/Transfer-Guides.aspx).