

# COMPUTER SCIENCE, ASSOCIATE IN SCIENCE (CIS)

## Curriculum

The College Transfer Office (<https://www.dccc.edu/admissions-financial-aid/transfer/transfer-office/>) is set up to help Delaware County Community College students transfer to four-year colleges and universities. If you are planning to transfer, you are strongly encouraged to meet with a transfer advisor within your first two semesters (or before you reach 30 transferable college credits from all institutions attended).

First Semester		Hours
ENG 100	English Composition I	3
MAT 160	Calculus I	4
CS 100	Introduction to Information Technology	3
CS 101	Introduction to Computer Science	3
Social Science elective (select any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated social science course)		3
<b>Hours</b>		<b>16</b>
Second Semester		Hours
CS 110	Introduction to C++	3
MAT 161	Calculus II	4
ENG 112	English Composition II: Writing About Literature	3
CS 104	Introduction to Java Programming	3
Humanities elective/Social Science elective		3
<b>Hours</b>		<b>16</b>
Third Semester		Hours
NET 110	Network Communications	3
CS 204	Intermediate Java Programming	3
Science elective with a lab (select from any transferable Scientific Inquiry (SI) designated science course)		4
Social Science elective		3
Select one of the following Business/Math elective		3
BUS 220	Elementary Statistics	
MAT 210	Statistics	
MAT 230	Foundations of Discrete Mathematics	
<b>Hours</b>		<b>16</b>
Fourth Semester		Hours
CS 212	Data Structures and Algorithms	4
Any transferable Oral Communication (OC) designated course		3
Science elective with a lab		4
Humanities electives		6
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>65</b>

## Notes

Oral Communication designated courses ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#OC\\_Course\\_List](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#OC_Course_List)).

Diversity and Social Justice and Global Understanding designated courses ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual\\_DJ\\_GU\\_CourseList](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual_DJ_GU_CourseList)).

Scientific Inquiry designated courses ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#SR\\_Course\\_List](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#SR_Course_List)).

### Humanities Elective - Transfer Program

This list does not indicate College Academic Learning Goal designation (<https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/>). Refer to your program curriculum for more information.

For college transfer curricula<sup>1</sup>:

Code	Title	Hours
<b>Courses listed under subjects:</b>		
ART 100	Art and Child Development (or above)	3
COMM 100	Interpersonal Communication (or above)	3
ENG 112	English Composition II: Writing About Literature (or above)	3
HUM 100	Introduction to Visual Arts (or above)	3
MUS 101	Fundamentals of Music (or above)	3
PHI 100	Introduction to Philosophy (or above)	3
<i>Foreign Languages:</i>		
FRE 101	Elementary French I (or above)	3
GER 101	(or above)	3
ITA 101	(or above)	3
SPA 101	Elementary Spanish I (or above)	3

<sup>1</sup> The elective courses listed for transfer curricula are generally transferable to most institutions. However, depending on the program at the transfer institution, the courses may only be accepted as free electives. Be sure to meet with a transfer advisor when planning to transfer.

### Social Science Electives - Transfer Program

This list does not indicate College Academic Learning Goal designation (<https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/>). Refer to your program curriculum for more information.

For college transfer curricula<sup>1</sup>:

Code	Title	Hours
ADJ 240	Criminology	3
ADJ 260	Corrections-Probation-Parole	3
ECO 210	Macroeconomic Principles	3
ECO 220	Microeconomic Principles	3
EDU 110	Introduction to Teaching (or above)	3
HIS 110	American History I (or above)	3
INT 100	Student Success	3
POL 110	Introduction to Political Science (or above)	3

2 Computer Science, Associate in Science (CIS)

PSY 130	Personal and Career Development (or above)	3
SOC 110	Introduction to Sociology (or above)	3
SWO 101	Introduction to Social Work and Human Services (or above)	3

<sup>1</sup> The elective courses listed for transfer curricula are generally transferable to most institutions. However, depending on the program at the transfer institution, the courses may only be accepted as free electives. Be sure to meet with a transfer advisor when planning to transfer.