

# COMPUTER SCIENCE, ASSOCIATE IN SCIENCE (CIS)

## Part-Time Academic Plan

Course	Title	Hours
<b>First Semester</b>		
ENG 100	English Composition I	3
MAT 160	Calculus I	4
CS 100	Introduction to Information Technology	3
<b>Hours</b>		<b>10</b>
<b>Second Semester</b>		
CS 101	Introduction to Computer Science	3
Social Science elective (select any transferable Diversity and Social Justice (DJ) and Global Understanding designated social science course)		3
CS 110	Introduction to C++	3
<b>Hours</b>		<b>9</b>
<b>Third Semester</b>		
MAT 161	Calculus II	4
ENG 112	English Composition II: Writing About Literature	3
CS 104	Introduction to Java Programming	3
<b>Hours</b>		<b>10</b>
<b>Fourth Semester</b>		
Humanities elective/Social Science elective		3
NET 110	Network Communications	3
CS 204	Intermediate Java Programming	3
<b>Hours</b>		<b>9</b>
<b>Fifth Semester</b>		
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>10</b>
<b>Sixth Semester</b>		
CS 212	Data Structures and Algorithms	4
Any transferable Oral Communication (OC) designated course		3
Humanities Elective		3
Science elective with a lab		4
Humanities Elective		3
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>65</b>

**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)).**

### Arts and Humanities Electives

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.

The subject areas listed are generally transferable to most institutions. However, transferability is always determined by the college or university you are planning to transfer to. Be sure to meet with a transfer advisor before making your course selections.

- ART - Art (<https://catalog.dccc.edu/courses/course-descriptions/art/>)
- COMM - Communication Studies (<https://catalog.dccc.edu/courses/course-descriptions/comm/>)

- DRA - Drama (<https://catalog.dccc.edu/courses/course-descriptions/dra/>)
- ENG - English (<https://catalog.dccc.edu/courses/course-descriptions/eng/>) (ENG 115 and above)
- HUM - Humanities (<https://catalog.dccc.edu/courses/course-descriptions/hum/>)
- MUS - Music (<https://catalog.dccc.edu/courses/course-descriptions/mus/>)
- PHI - Philosophy (<https://catalog.dccc.edu/courses/course-descriptions/phi/>)

Some programs specify or recommend a Foreign Language.

Code	Title	Hours
<i>Foreign Languages:</i>		
FRE 101	Elementary French I	
FRE 102	Elementary French II	
FRE 111	Intermediate French I	
FRE 112	Intermediate French II	
SPA 101	Elementary Spanish I	
SPA 102	Elementary Spanish II	
SPA 201	Intermediate Spanish I	
SPA 202	Intermediate Spanish II	

## Behavioral and Social Science

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.

The subject areas listed are generally transferable to most institutions. However, transferability is always determined by the college or university you are planning to transfer to. 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 before making your course selections.

- ADJ - Administration of Justice (<https://catalog.dccc.edu/courses/course-descriptions/adj/>)
- ECE - Early Childhood Education (<https://catalog.dccc.edu/courses/course-descriptions/ece/>)
- ECO - Economics (<https://catalog.dccc.edu/courses/course-descriptions/eco/>)
- EDU - Education (<https://catalog.dccc.edu/courses/course-descriptions/edu/>)
- HIS - History (<https://catalog.dccc.edu/courses/course-descriptions/his/>)
- INT - Interdisciplinary (<https://catalog.dccc.edu/courses/course-descriptions/int/>)
- POL - Political Science (<https://catalog.dccc.edu/courses/course-descriptions/pol/>)
- PSY - Psychology (<https://catalog.dccc.edu/courses/course-descriptions/psy/>)
- SOC - Sociology (<https://catalog.dccc.edu/courses/course-descriptions/soc/>)
- SWO - Social Work (<https://catalog.dccc.edu/courses/course-descriptions/swo/>)
- TSC - Trauma Studies (<https://catalog.dccc.edu/courses/course-descriptions/tsc/>)