

# INFORMATION TECHNOLOGY, COMPUTER PROGRAMMING, ASSOCIATE IN APPLIED SCIENCE (DPRP)

## Full-Time Academic Plan

First Semester		Hours
CS 100	Introduction to Information Technology	3
NET 110	Network Communications	3
CS 101	Introduction to Computer Science	3
ENG 100	English Composition I	3
Select one of the following:		3-4
MAT 135	Business Precalculus	
MAT 151	College Algebra	
MAT 160	Calculus I	
<b>Hours</b>		<b>15-16</b>
Second Semester		Hours
CS 110	Introduction to C++	3
IMM 120	Web Page Design and Development	3
CS 104	Introduction to Java Programming	3
ENG 112	English Composition II: Writing About Literature	3
Mathematics Elective		3-4
<b>Hours</b>		<b>15-16</b>
Third Semester		Hours
CS 210	Object Oriented C++	3
CS 204	Intermediate Java Programming	3
Any transferable Oral Communication (OC) designated course		3
Any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated Social Science course		3
CS/IMM/NET Course - select only one		3
<b>Hours</b>		<b>15</b>
Fourth Semester		Hours
CS 212	Data Structures and Algorithms	4
Any transferable Scientific Inquiry (SI) designated Science Elective with a Lab course		3-4
Humanities Elective		3
CS/IMM/NET course - select two		6
<b>Hours</b>		<b>16-17</b>
<b>Total Hours</b>		<b>61-64</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)).

### Mathematics Elective:

Code	Title	Hours
Select from one of the following sequences:		
MAT 135 & MAT 136	Business Precalculus and Business Calculus	6
MAT 151 & MAT 152	College Algebra and Precalculus	8
MAT 160 & MAT 161	Calculus I and Calculus II	8

**Program Electives CS/IMM/NET:**

Students are required to complete a total of three (3) Program Electives from CS/IMM/NET. Recommended CS/IMM/NET courses to choose from the following options:

<b>Code</b>	<b>Title</b>	<b>Hours</b>
CS 214	jQuery/JavaScript	3
CS 222	Visual Basic Programming	4
CS 240	Responsive Web Design	3
IMM 110	Multimedia Graphics & Design	3
IMM 201	Audio and Video for Multimedia	3
NET 115	Microsoft Windows	4
NET 116	Microsoft Hybrid Server: Core Infrastructure	4
NET 230	Linux Operating Systems I	4
NET 231	Microsoft Hybrid Server II	4

The Computer Science faculty suggest seeing an advisor when selecting elective courses to ensure alignment with career goals.