

# DATABASE DEVELOPER: CP

**catalogs/)** for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

## Part-Time Academic Plan

**PLEASE NOTE:** If you originally enrolled at STLCC prior to Fall 2025, you may need to view an **archived catalog** (<http://catalog.stlcc.edu/archived->

Code	Title	Hours	Prerequisites	Milestones/Notes
<b>First Year</b>				
<b>Fall</b>				
CIT 112	Introduction to Computer Science	3	Reading Proficiency	Exploratory Course
CIT 151	Computer Applications in Business	4	Concurrent or prior enrollment in IS 122 or IS 123 or IT 102 or HIM 102 or CIT 112 with a minimum grade of "C" or equivalent experience and Reading Proficiency	
	<b>Credit Hours</b>	<b>7</b>		
<b>Spring</b>				
CIT 125	Introduction to Databases	3	Reading Proficiency	Critical Course
CIT 180	Programming I with Python	3	Reading Proficiency	Gateway Course
	<b>Credit Hours</b>	<b>6</b>		
<b>Second Year</b>				
<b>Fall</b>				
CIT 285	Principles of Data Analytics	3	CIT 125 with a minimum grade of "C" and Reading Proficiency	
WEB 101	Introduction to Web Development	3	Reading Proficiency	
	<b>Credit Hours</b>	<b>6</b>		
<b>Spring</b>				
CIT 155	Cloud Database Management	4	CIT 125 and CIT 151 with minimum grades of "C", and Reading Proficiency	Critical Course
CIT 166	Programming I with C# and Java	4	Reading Proficiency	Gateway Course
	<b>Credit Hours</b>	<b>8</b>		
<b>Third Year</b>				
<b>Fall</b>				
CIT 160	Introduction to Data Visualization	3	Concurrent or prior enrollment in CIT 125 and CIT 151 with minimum grade of "C" and Reading Proficiency	
CIT 257	Advanced Data Analytics	3	CIT 125, CIT 285, and CIT 155 with minimum grades of "C", and Reading Proficiency	
CIT 141 or 291	Introduction to UX/UI Design or Workplace Learning: Computer and Information Technology	3-4	Reading Proficiency	
	<b>Credit Hours</b>	<b>9-10</b>		
	<b>Total Credit Hours</b>	<b>36-37</b>		

**Critical Courses:** Critical courses are most important to a student's declared major and most strongly predict later success in the major. A critical course requires a minimal grade to progress to higher-level courses.

**Exploratory Courses:** Exploratory courses are first-semester courses that introduce the program and career field.

**Gateway Courses:** Gateway courses are courses in many career pathways that must be completed before progression in higher-level courses. These may be the same as critical and/or exploratory courses.

\*Click on the hyperlinked course number to view additional information about the course.

\*\*Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

\*\*\* It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.