

# Recommended Academic Plan for Database Developer

Certificate of  
Proficiency



This plan is a suggested semester-by-semester plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on ACT/SAT or COMPASS exam scores, scheduling, degree requirements, and graduation requirements.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:153 C# Programming I OR IS:187 Java Programming I	4			
IS:225 Database Management	4			
IS:229 Unix/Linux I	3			
IS:241 Systems Analysis and Design	3			
<b>Subtotal</b>	<b>14</b>			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:240 SQL and Database Development	3	IS:225		
IS:253 C# Programming II OR IS:287 Java Programming II OR IS:256 C++ Programming	4 3	IS:153 IS:187 IS:153		
IS: 268 SQL Server Programming OR IS: 276 Oracle Programming	3	IS:225		
IS:257 Advanced Database Design	3	IS:225		
<b>Subtotal</b>	<b>12-13</b>			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
* Elective	3-4		See list of approved courses	
* Elective	3-4		See list of approved courses	
			Apply for graduation	
<b>Subtotal</b>	<b>6-8</b>			

## Total Hours in the Program: 32 - 35

\*See Catalog for classes that will fulfill the elective requirements [catalog.stlcc.edu](http://catalog.stlcc.edu)

\*\*Students completing STLCC's Missouri General Education requirements will receive verification on their transcripts that is recognized by all Missouri public colleges and universities except the University of Missouri-Columbia.

\*\*\*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.**

## Database Developer – CP Quick Checklist

Courses	Credit Hours	Notes
<b>REQUIRED COURSES</b>		
IS:153 C# Programming I OR	4	
IS:187 Java Programming I	4	
IS:225 Database Management	4	
IS:229 Unix/Linux I	3	
IS:240 SQL and Database Development	3	
IS:241 Systems Analysis and Design	3	
IS:253 C# Programming II OR	4	
IS:287 Java Programming II OR	4	
IS:256 C++ Programming	3	
IS:268 SQL Server Programming OR	3	
IS:276 Oracle Programming	3	
IS:257 Advanced Database Design	3	
<b>ELECTIVES Select 2 classes from the list below.</b>		
IS:237 Fundamentals of Information Assurance/Security	3	
IS:273 Oracle Design and Implementation	3	
IS:275 Advanced C++ Programming	3	
IS:277 Oracle Applications Programming	3	
IS:278 Oracle Database Security and Administration	3	
IS:279 Oracle Tuning and Performance	3	
IS:283 C# Programming III	3	
IS:288 Java Programming III	3	
IS:290 C# Frameworks: .NET Web App Framework	3	

For more information, please see [stlcc.edu/Programs/Degrees](http://stlcc.edu/Programs/Degrees) or consult the College Catalog at [stlcc.edu/Admissions\\_and\\_Registration/Course\\_Catalog.html](http://stlcc.edu/Admissions_and_Registration/Course_Catalog.html)

### Advisor Contact Information

Name  
Phone  
Email