

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	IS:153 or IS:187		
Subtotal	14			

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 or IS:187 with a "C" or higher		
IS: 268 SQL Server Programming OR IS: 276 Oracle Programming	3	IS:240 with a "C" or higher IS:225 with a "C" or higher		
IS:257 Advanced Database Design	3	IS:225		
Subtotal	12-13			

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

Total Hours in the Program: 32 - 35

*See Catalog for classes that will fulfill the elective requirements 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
REQUIRED COURSES		
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	
ELECTIVES Select 2 classes from the list below.		
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 or consult the College Catalog at stlcc.edu/Admissions_and_Registration/Course_Catalog.html

Advisor Contact Information

Name
Phone
Email