

 	<p style="text-align: center;"><b>ONE-YEAR CERTIFICATE</b></p> <p style="text-align: center;"><b>DATABASE SYSTEMS</b></p> <p style="text-align: center;"><i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i></p>	<b>2025-26 Catalog</b> Effective Summer 2025
		<b>5204</b>

*Business, Engineering, and Information Technologies Division    Computer Science and Information Systems Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CIS125	Data Analysis and Decision Making ▲	3	Pre-Co-AOT226	
CIS221	Generating Reports for Decision Making ▲ -	3	Pre-Co-AOT226	
CPD123	Structured Query Language	3	CPD121	
CPD224	Microsoft SQL Server Database Administration	3	CPD123	
WDD225	ASP.Net MVC Development ▲	3	CSE122 and WDD121	
WDD226	Web Development with PHP and MYSQL	3	CSE122 and WDD121	
<b>Total</b>		<b>18</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
AOT226	Spreadsheet Microsoft Excel	3	ITD100 or Proficiency	
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
MTH118 or MTH124	Quantitative Reasoning^ or Statistics^	3 or 3	<i>Check for Prerequisites</i>	
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
<b>Total</b>		<b>16</b>		
<b>TOTAL CREDIT HOURS</b>		<b>34</b>		

^Based upon SSC placement score

^^To promote student success, this course should be taken in the first semester

▲ - Fall only courses. Please see your academic advisor for availability.

▲ Courses vary by semester. Please see your academic advisor for availability.

***Students completing this certificate may be eligible to also receive a Computer Programming and Database – Microsoft SQL Server Career Enhancement Certificate (5206).***

***The classes in this certificate also apply toward the completion of a Computer Programming and Database Degree (5200).***

<b>2025-26 Catalog</b> Effective Summer 2025	<b>ONE-YEAR CERTIFICATE</b> <b>DATABASE SYSTEMS</b>	<b>5204</b>
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## FULL-TIME STUDENT ADVISING NOTES

### Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

### Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students seeking a one-year certificate.

<u>Summer Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency)
CSE122	Programming Logic and Problem Solving^	3	<b>and</b> (ITD100 or Proficiency)
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency)
MTH118	Quantitative Reasoning^	3	<b>and</b> (ITD100 or Proficiency)
<b>or</b>	<b>or</b>	or	<i>Check for Prerequisites</i>
MTH124	Statistics^	<u>3</u>	
		<b>13</b>	
<u>First Semester</u>			
CPD123	Structured Query Language	3	CPD121
CIS125	Data Analysis and Decision Making▲	3	Pre-Co-AOT226
AOT226	Spreadsheet Microsoft Excel	3	ITD100 or Proficiency
WDD226	Web Development with PHP and MYSQL	<u>3</u>	CSE122 <b>and</b> WDD121
		<b>12</b>	
<u>Second Semester</u>			
CPD224	Microsoft SQL Server Database Administration	3	CPD123
WDD225	ASP.Net MVC Development▲	3	CSE122 <b>and</b> WDD121
CIS221	Generating Reports for Decision Making▲-	3	Pre-Co-AOT226
		<b>9</b>	
<b>TOTAL CREDITS</b>		<b>34</b>	

^Based upon SSC placement score

^^To promote student success, this course should be taken in the first semester

▲ - Fall only courses. Please see your academic advisor for availability.

▲ Courses vary by semester. Please see your academic advisor for availability.