
 <b>Stark State</b> COLLEGE  	<b>ONE-YEAR CERTIFICATE</b>  <b>DATA ANALYTICS</b>	<b>2024-25 Catalog</b> Effective Summer 2024
	<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>	<b>5014</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	CPD121	
CIS221	Generating Reports for Decision Making▲-	3	CPD121	
CIS222	Data Acquisition and Analysis▲+	3	CIS125	
CIS223	IT Project Management▲+	3	ITD140	
CPD123	Structured Query Language	3	CPD121	
CPD224	Advanced Microsoft SQL Server Database	3	CPD123	
ITD140	Digital Project Management^▲-	3	ITD100 or Proficiency	
<b>Total</b>		<b>21</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>	
CIS126	Fundamentals of Information Systems^	3	IDS102 or Proficiency	
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)	
<b>Total</b>		<b>10</b>		
<b>TOTAL CREDIT HOURS</b>		<b>31</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.

▲+ Spring 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 Technology Degree (5000).**

## 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>
CIS126	Fundamentals of Information Systems^	3	IDS102 or Proficiency
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
CSE122	Programming Logic and Problem Solving^	<u>3</u>	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
		<b>10</b>	
<u>First Semester</u>			
ITD140	Digital Project Management^▲-	3	ITD100 or Proficiency
CIS125	Data Analysis and Decision Making▲	3	CPD121
CIS221	Generating Reports for Decision Making▲-	3	CPD121
CPD123	Structured Query Language	<u>3</u>	CPD121
		<b>12</b>	
<u>Second Semester</u>			
CPD224	Advanced Microsoft SQL Server Database	3	CPD123
CIS222	Data Acquisition and Analysis▲+	3	CIS125
CIS223	IT Project Management▲+	<u>3</u>	ITD140
		<b>9</b>	
	<b>TOTAL CREDITS</b>	<b>31</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.

▲+ Spring only courses. Please see your academic advisor for availability.

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