



# ONE-YEAR CERTIFICATE DATA ANALYTICS

*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.*

**1819 Catalog**  
Effective Summer 2018

**5014**

*Business and Information Technology 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	CIS126 <b>and</b> CPD121	
CPD123	Structured Query Language ▲	3	CPD121	
CPD221	Oracle Database: PL/SQL Programming ▲	3	CPD123 and CSE122	
CPD225	Data Mining and Data Warehousing ▲	3	CPD123	
<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

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

## PART-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 who plan to finish in four semesters.

<u>First 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^	<u>3</u>	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
		<b>7</b>	
<u>Second Semester</u>			
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
CIS125	Data Analysis and Decision Making▲	3	CPD121
CIS223	IT Project Management▲	<u>3</u>	CIS126 <b>and</b> CPD121
		<b>9</b>	
<u>Third Semester</u>			
CPD123	Structured Query Language▲	3	CPD121
CIS221	Generating Reports for Decision Making▲	3	CPD121
CIS222	Data Acquisition and Analysis▲	<u>3</u>	CIS125
		<b>9</b>	
<u>Fourth Semester</u>			
CPD221	Oracle Database: PL/SQL Programming▲	3	CPD123 and CSE122
CPD225	Data Mining and Data Warehousing▲	<u>3</u>	CPD123
		<b>6</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

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