



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.

2021 Catalog

Effective Summer 2020

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	
CPD123	Structured Query Language▲	3	CPD121	
CPD221	Oracle Database: PL/SQL Programming▲	3	CPD123 and CSE122	
CPD224	Advanced Microsoft SQL Server Database▲	3	CPD123	
CPD225	Data Mining and Data Warehousing▲	3	CPD123	
Total		21		
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) and (ITD100 or Proficiency)	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
Total		10		
TOTAL CREDIT HOURS		31		

^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.

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)
CSE122	Programming Logic and Problem Solving^	<u>3</u>	and (ITD100 or Proficiency)
		10	and (ITD100 or Proficiency)
<u>First Semester</u>			
CIS125	Data Analysis and Decision Making▲	3	CPD121
CIS221	Generating Reports for Decision Making▲	3	CPD121
CPD123	Structured Query Language▲	<u>3</u>	CPD121
		9	
<u>Second Semester</u>			
CPD224	Advanced Microsoft SQL Server Database▲	3	CPD123
CIS222	Data Acquisition and Analysis▲	3	CIS125
CPD221	Oracle Database: PL/SQL Programming▲	3	CPD123 and CSE122
CPD225	Data Mining and Data Warehousing▲	<u>3</u>	CPD123
		12	
	TOTAL CREDITS	31	

^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.