ONE-YEAR CERTIFICATE

GEOGRAPHIC INFORMATION SYSTEMS SPECIALIST

2021-22 Catalog
Effective Summer 2021

5208

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.

Business and Information Technology Division   *Computer Science and Information Systems Department*

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CPD123	Structured Query Language▲	3	CPD121	
CSE235	Python Development▲	3	CSE122	
GIS123	Maps and Map Reading▲	3		
GIS231	Geographic Information Systems▲	3	GIS123	
	Select two (2) Technical Electives from the list below[1] ▲	6	*Check for prerequisites*	
	Total	**18**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
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)	
DET125	Basic AutoCAD	3		
	Total	**13**		
	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.
[1]Technical Electives: CET227, CET236, CPD224, CSE229, CSE231, DET126, DET230, PET101

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.

Summer Semester		Credit Hours	Pre- or Co-requisites
SSC101	Student Success Seminar^^	1	*Take first semester*
CIS126	Fundamentals of Information Systems^▲	3	(IDS102 **or** Proficiency)
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
		7	

First Semester			
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
GIS123	Maps and Map Reading▲	3	
Technical Elective[1] ▲		3	*Check for prerequisites*
DET125	Basic AutoCAD	3	
		12	

Second Semester			
CPD123	Structured Query Language▲	3	CPD121
CSE235	Python Development▲	3	CSE122
GIS231	Geographic Information Systems▲	3	GIS123
Technical Elective[1] ▲		3	*Check for prerequisites*
		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.
[1]Technical Electives: CET227, CET236, CPD224, CSE229, CSE231, DET126, DET230, PET101