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	
CSE236	Analyzing Software Requirements and Developing Solutions▲	3	(CIS221 or CSE229 or CSE233 or CSE231 or WDD221 or CSE227 or WDD224 or WDD222 or WDD226) **and** CPD123	
GIS123	Maps and Map Reading▲	3		
GIS231	Geographic Information Systems▲	3	GIS123 **or** ENV223	
GIS233	Advanced Tools in Geospatial Technologies▲	3	GIS231	
GIS234	Geospatial Technologies in Industry▲	3	GIS233	
WDD221	Web Development with JavaScript▲	3	CSE122 **and** WDD121	
	Select two (2) Technical Electives from the list below[3] ▲	6	*Check for prerequisites*	
	Total	**30**		

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	
COM121 **or** COM122 **or** COM123	Effective Speaking **or** Interpersonal Communication **or** Small Group Communication	3 **or** 3 **or** 3	None **or** None **or** 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		
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency	
MTH108	Explorations in Modern Mathematics^	3	MTH022 **or** MTH023 **or** Proficiency	
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)	
	Select one (1) Arts & Humanities Elective from the list below[1]	3	*Check for prerequisites*	
	Select one (1) Social Science Elective from the list below[2]	3	*Check for prerequisites*	
	Total	**31**		
	TOTAL CREDIT HOURS	**61**		

^Based on 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]Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122
[2]Social Science Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225
[3]Technical Electives: CET227, CET236, CPD221, CPD222, CPD224, CSE229, CSE231, DET126, DET230, PET101

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 part-time associate degree students who plan to finish in eight semesters.

First Semester		Credit Hours	Pre- and 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	
Second Semester			
GIS123	Maps and Map Reading▲	3	
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
		6	
Third Semester			
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
GIS231	Geographic Information Systems▲	3	GIS123 **or** ENV223
WDD221	Web Development with JavaScript▲	3	CSE122 **and** WDD121
		9	
Fourth Semester			
Arts & Humanities Elective¹		3	*Check for prerequisites*
Social Science Elective²		3	*Check for prerequisites*
		6	
Fifth Semester			
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency
MTH108	Explorations in Modern Mathematics^	3	MTH022 **or** MTH023 **or** Proficiency
COM121	Effective Speaking	3	None
or	**or**	**or**	**or**
COM122	Interpersonal Communication	3	None
or	**or**	**or**	**or**
COM123	Small Group Communication	3	IDS102 **or** Proficiency
		9	
Sixth Semester			
CPD123	Structured Query Language▲	3	CPD121
CSE235	Python Development▲	3	CSE122
DET125	Basic AutoCAD	3	
		9	
Seventh Semester			
GIS233	Advanced Tools in Geospatial Technologies▲	3	GIS231
CSE236	Analyzing Software Requirements and Developing Solutions▲	3	(CIS221 or CSE229 or CSE233 or CSE231 or WDD221 or CSE227 or WDD224 or WDD222 or WDD226) **and** CPD123
Technical Elective³ ▲		3	*Check for prerequisites*
		9	
Eighth Semester			
GIS234	Geospatial Technologies in Industry▲	3	GIS233
Technical Elective³ ▲		3	*Check for prerequisites*
		6	
TOTAL CREDITS		**61**	

^Based on 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.
¹Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122
²Social Science Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225
³Technical Electives: CET227, CET236, CPD221, CPD222, CPD224, CSE229, CSE231, DET126, DET230, PET101