



ASSOCIATE OF APPLIED BUSINESS COMPUTER TECHNOLOGY

2021 Catalog
Effective Summer 2020

5000

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
CIS121	Help Desk and Computer Support Concepts [^] ▲	3	IDS102 or Proficiency	
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	
CPD224	Advanced Microsoft SQL Server Database▲	3	CPD123	
CPD225	Data Mining and Data Warehousing▲	3	CPD123	
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	
	Select two (2) Technical Elective 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	
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	
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)	
ENG124	College Composition [^]	3	Co-ENG024 or Co-ENG011 or Proficiency	
ITD122	Computer Applications for Professionals [^]	3	ITD100 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 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.

¹Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social Science Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

³Technical Elective: CIS224, CPD221, GIS123

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 full-time associate degree students who plan to finish in two years.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
CIS121	Help Desk and Computer Support Concepts^▲	3	IDS102 or Proficiency
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
ITD122	Computer Applications for Professionals^	3	ITD100 or Proficiency
WDD121	Internet Design and Development^	<u>3</u>	(IDS102 or Proficiency) and (ITD100 or Proficiency)
		13	
<u>Second Semester</u>			
CIS126	Fundamentals of Information Systems^▲	3	IDS102 or Proficiency
CPD123	Structured Query Language▲	3	CPD121
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency
MTH108	Explorations in Modern Mathematics^	<u>3</u>	MTH022 or MTH023 or Proficiency
		12	
<u>Summer Semester</u>			
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
<i>Social Science Elective²</i>		<u>3</u>	<i>Check for prerequisites</i>
		6	
<u>Third Semester</u>			
CIS125	Data Analysis and Decision Making▲	3	CPD121
CIS221	Generating Reports for Decision Making▲	3	CPD121
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
CPD224	Advanced Microsoft SQL Server Database▲	3	CPD123
CPD225	Data Mining and Data Warehousing▲	<u>3</u>	CPD123
		15	
<u>Fourth Semester</u>			
CIS222	Data Acquisition and Analysis▲	3	CIS125
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
<i>Technical Elective³▲</i>		3	<i>Check for prerequisites</i>
<i>Technical Elective³▲</i>		3	<i>Check for prerequisites</i>
<i>Arts & Humanities Elective¹</i>		<u>3</u>	<i>Check for prerequisites</i>
		15	
	TOTAL CREDITS	61	

^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.

¹Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social Science Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

³Technical Electives: CIS224, CPD221, GIS123