



## ASSOCIATE OF APPLIED BUSINESS COMPUTER TECHNOLOGY

*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

**5000**

*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 <sup>^</sup> ▲	3	IDS102 <b>or</b> 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) <b>and</b> CPD123	
	<i>Select two (2) Technical Elective from the list below<sup>3</sup></i>	6	<i>Check for prerequisites</i>	
<b>Total</b>		<b>30</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar <sup>^^</sup>	1	<i>Take first semester</i>	
COM121	Effective Speaking	3	None	
<b>or</b>	<b>or</b>	<b>or</b>	<b>or</b>	
COM122	Interpersonal Communication	3	None	
<b>or</b>	<b>or</b>	<b>or</b>	<b>or</b>	
COM123	Small Group Communication	3	IDS102 <b>or</b> Proficiency	
CIS126	Fundamentals of Information Systems <sup>^</sup> ▲	3	IDS102 <b>or</b> Proficiency	
CPD121	Data Modeling and Database Design <sup>^</sup>	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)	
CSE122	Programming Logic and Problem Solving <sup>^</sup>	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)	
ENG124	College Composition <sup>^</sup>	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency	
ITD122	Computer Applications for Professionals <sup>^</sup>	3	ITD100 <b>or</b> Proficiency	
MTH108	Explorations in Modern Mathematics <sup>^</sup>	3	MTH022 <b>or</b> MTH023 <b>or</b> Proficiency	
WDD121	Internet Design and Development <sup>^</sup>	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)	
	<i>Select one (1) Arts &amp; Humanities Elective from the list below<sup>1</sup></i>	3	<i>Check for prerequisites</i>	
	<i>Select one (1) Social Science Elective from the list below<sup>2</sup></i>	3	<i>Check for prerequisites</i>	
<b>Total</b>		<b>31</b>		
<b>TOTAL CREDIT HOURS</b>		<b>61</b>		

<sup>^</sup>Based upon SSC placement score

<sup>^^</sup>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.

<sup>1</sup>Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

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

<sup>3</sup>Technical Elective: CIS224, CPD221, GIS123

## 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.

<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 <b>or</b> 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>			
ITD122	Computer Applications for Professionals^	3	ITD100 <b>or</b> Proficiency
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
CIS126	Fundamentals of Information Systems^▲	<u>3</u>	IDS102 <b>or</b> Proficiency
		<b>9</b>	
<u>Third Semester</u>			
CIS221	Generating Reports for Decision Making▲	3	CPD121
CPD123	Structured Query Language▲	<u>3</u>	CPD121
		<b>6</b>	
<u>Fourth Semester</u>			
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
MTH108	Explorations in Modern Mathematics^	3	MTH022 <b>or</b> MTH023 <b>or</b> Proficiency
<i>Social Science Elective<sup>2</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<b>9</b>	
<u>Fifth Semester</u>			
COM121	Effective Speaking	3	None
<b>or</b>	<b>or</b>	<b>or</b>	<b>or</b>
COM122	Interpersonal Communication	3	None
<b>or</b>	<b>or</b>	<b>or</b>	<b>or</b>
COM123	Small Group Communication	3	IDS102 <b>or</b> Proficiency
CIS125	Data Analysis and Decision Making▲	<u>3</u>	CPD121
		<b>6</b>	
<u>Sixth Semester</u>			
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
<i>Technical Elective<sup>3</sup></i>		3	<i>Check for prerequisites</i>
<i>Technical Elective<sup>3</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<b>9</b>	
<u>Seventh Semester</u>			
CPD225	Data Mining and Data Warehousing▲	3	CPD123
CIS222	Data Acquisition and Analysis▲	<u>3</u>	CIS125
		<b>6</b>	
<u>Eighth Semester</u>			
CPD224	Advanced Microsoft SQL Server Database▲	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) <b>and</b> CPD123
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<b>9</b>	
	<b>TOTAL CREDITS</b>	<b>61</b>	

^Based upon SSC placement score

^^To promote student success, this course should be taken in the first semester

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