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.

2025-26 Catalog
Effective Summer 2025

5000

Business, Engineering, 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	pre-co-AOT226	
CIS221	Generating Reports for Decision Making ▲ -	3	pre-co-AOT226	
CIS223	IT Project Management ▲ +	3	ITD140	
CIS225	Advanced Data Analysis and Visualization	3	Pre-Co-CIS221	
CIS226	Advanced Topics in Data Analysis	3	Pre-Co-CIS221	
CPD123	Structured Query Language	3	CPD121	
CPD224	Microsoft SQL Server Database Administration	3	CPD123	
CSE236	Analyzing Software Requirements and Developing Solutions	3	(CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) **and** CPD123	
ITD140	Digital Project Management ^ ▲ -	3	ITD100 or Proficiency	
	Select two (2) Technical Elective from the list below[3] ▲	6	*Check for prerequisites*	
	Total	**33**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
AOT226	Spreadsheet Microsoft Excel	3	ITD100 **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	
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	
MTH118 **or** MTH124	Quantitative Reasoning^ **or** Statistics^	3 or 3	*Check for prerequisites*	
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 and Behavioral Sciences Elective from the list below[2]	3	*Check for prerequisites*	
	Total	**31**		
	TOTAL CREDIT HOURS	**64**		

^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.
▲- Fall only courses. Please see your academic advisor for availability.
▲+ Spring only courses. Please see your academic advisor for availability.
[1]Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122
[2]Social and Behavioral Sciences Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225
[3]Technical Elective: CFS136, CSE235, CSE237, NET120
Students completing this degree may be eligible to also receive a Computer Maintenance & Desktop Support Technician One-Year Certificate (5026) and a Data Analytics One-Year Certificate (5014).

PART-TIME STUDENT ADVISING NOTES

<u>Academic Advising</u>
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.

<u>Course Sequence</u>
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*
MTH118	Quantitative Reasoning^	3	
or	**or**	**or**	*Check for prerequisites*
MTH124	Statistics^	3	
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
		7	

Second Semester			
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency
AOT226	Spreadsheet Microsoft Excel	3	ITD100 **or** Proficiency
CIS126	Fundamentals of Information Systems^	3	IDS102 **or** Proficiency
		9	

Third Semester			
CIS125	Data Analysis and Decision Making▲	3	pre-co-AOT226
ITD140	Digital Project Management^ ▲ -	3	ITD100 **or** Proficiency
CPD123	Structured Query Language	3	CPD121
		9	

Fourth Semester			
CIS225	Advanced Data Analysis and Visualization	3	CIS125
CIS221	Generating Reports for Decision Making▲ -	3	pre-co-AOT226
Social and Behavioral Sciences Elective[2]		3	*Check for prerequisites*
		9	

Fifth Semester			
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 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
CIS226	Advanced Topics in Data Analysis	3	pre-co-CIS221
		9	

Sixth Semester			
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
CIS223	IT Project Management ▲+	3	ITD140
Technical Elective[3] ▲		3	*Check for prerequisites*
		9	

Seventh Semester			
Technical Elective[3] ▲		3	*Check for prerequisites*
CPD224	Microsoft SQL Server Database Administration	3	CPD123
		6	

Eighth Semester			
CSE236	Analyzing Software Requirements and Developing Solutions	3	(CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) **and** CPD123
Arts & Humanities Elective[1]		3	*Check for prerequisites*
		6	
	TOTAL CREDITS	**64**	

See front page for footnotes