	ASSOCIATE OF APPLIED SCIENCE		2023-24 Catalog
	COMPUTER SCIENCE & ENGINEERING –		Effective Summer 2023
	MOBILE APPLICATION DEVELOPMENT MAJOR		**5475**
	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, Engineering, and Information Technologies 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	
CSE221	Android Development 1▲-	3	CSE231	
CSE222	iOS Development 1▲-	3	CSE122	
CSE224	Android Development 2▲+	3	CSE221	
CSE226	XAML Development▲+	3	CSE231	
CSE231	Java Programming	3	CSE122	
CSE232	Advanced Java Programming	3	CSE231	
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	
WDD221	Web Development with JavaScript▲+	3	CSE122 **and** WDD121	
WDD222	Advanced Cascading Style Sheets▲+	3	WDD121	
	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 **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)	
CSE121	Mobile Development Architecture	3	Pre-Co-CSE122	
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	
CIS126	Fundamentals of Information Systems^	3	IDS102 **or** Proficiency	
MTH125	College Algebra^	4	Pre-co-MTH025 **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 below¹	3	*Check for prerequisites*	
	Select one (1) Social and Behavioral Sciences Elective from the list below²	3	*Check for prerequisites*	
	Total	**32**		
	TOTAL CREDIT HOURS	**62**		

^Based on SSC placement score

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

▲- Fall only courses. Please see your academic advisor for availability.

▲+ Spring only courses. Please see your academic advisor for availability.

[1]Arts & Humanities Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

[2]Social and Behavioral Sciences Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

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*
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
CSE121	Mobile Development Architecture	3	Pre-Co-CSE122
		7	
Second Semester			
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
		6	
Third Semester			
MTH125	College Algebra^	4	Pre-co-MTH025 **or** MTH023 **or** Proficiency
CSE231	Java Programming	3	CSE122
		7	
Fourth Semester			
ENG124	College Composition^	3	Co-ENG024 **or** Co-ENG011 **or** Proficiency
WDD222	Advanced Cascading Style Sheets ▲+	3	WDD121
WDD221	Web Development with JavaScript ▲+	3	CSE122 **and** WDD121
		9	
Fifth 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
CSE221	Android Development 1 ▲-	3	CSE231
CSE222	iOS Development 1 ▲-	3	CSE122
		9	
Sixth Semester			
CIS126	Fundamentals of Information Systems^	3	IDS102 **or** Proficiency
CSE224	Android Development 2 ▲+	3	CSE221
Social and Behavioral Sciences Elective²		3	*Check for prerequisites*
		9	
Seventh Semester			
CSE232	Advanced Java Programming	3	CSE231
CPD123	Structured Query Language	3	CPD121
Arts & Humanities Elective¹		3	*Check for prerequisites*
		9	
Eighth Semester			
CSE226	XAML Development ▲+	3	CSE231
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
		6	
TOTAL CREDITS		**62**	

^Based on SSC placement score

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

▲- Fall only courses. Please see your academic advisor for availability.

▲+ Spring only courses. Please see your academic advisor for availability.

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

²Social and Behavioral Sciences Elective: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225