

 	<p align="center">ASSOCIATE OF APPLIED SCIENCE</p> <p align="center">COMPUTER SCIENCE & ENGINEERING – MOBILE</p> <p align="center">APPLICATION DEVELOPMENT MAJOR</p> <p align="center"><i>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.</i></p>	2023-24 Catalog Effective Summer 2023
		5475

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	<i>Take first semester</i>	
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	
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
CSE121	Mobile Development Architecture	3	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 below ¹	3	Check for prerequisites	
	Select one (1) Social and Behavioral Sciences Elective from the list below ²	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.

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

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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>
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
CSE121	Mobile Development Architecture	3	Co-CSE122
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)
WDD121	Internet Design and Development^	<u>3</u> 13	(IDS102 or Proficiency) and (ITD100 or Proficiency)
<u>Second Semester</u>			
CSE231	Java Programming	3	CSE122
ENG124	College Composition^	3	Co-ENG024 or Co-ENG011 or Proficiency
MTH125	College Algebra^	4	Pre-co-MTH025 or MTH023 or Proficiency
WDD222	Advanced Cascading Style Sheets▲+	3	WDD121
WDD221	Web Development with JavaScript▲+	<u>3</u> 16	CSE122 and WDD121
<u>Summer Semester</u>			
<i>Arts & Humanities Elective¹</i>		3	<i>Check for prerequisites</i>
<i>Social and Behavioral Sciences Elective²</i>		<u>3</u> 6	<i>Check for prerequisites</i>
<u>Third 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
CSE232	Advanced Java Programming	3	CSE231
CSE221	Android Development 1 ▲-	3	CSE231
CSE222	iOS Development 1 ▲-	3	CSE122
CIS126	Fundamentals of Information Systems^	<u>3</u> 15	IDS102 or Proficiency
<u>Fourth Semester</u>			
CSE224	Android Development 2 ▲+	3	CSE221
CPD123	Structured Query Language	3	CPD121
CSE226	XAML Development ▲+	3	CSE231
CSE236	Analyzing Software Requirements and Developing Solutions	<u>3</u> 12	(CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) and CPD123
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, PSY122, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225