



**ASSOCIATE OF APPLIED BUSINESS**  
**WEB DESIGN AND DEVELOPMENT**

2022-23 Catalog

Effective Summer 2022

*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.*

**5100**

*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
CPD224	Advanced Microsoft SQL Server Database	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	
WDD122	Web Graphics Design▲-	3	WDD121	
WDD221	Web Development with JavaScript▲+	3	CSE122 and WDD121	
WDD222	Advanced Cascading Style Sheets▲+	3	WDD121	
WDD223	Content Management System Design and Development▲	3	CPD121 and WDD121	
WDD224	Active Server Page Development	3	CSE122 and WDD121	
WDD225	ASP .Net MVC Development▲	3	CSE122 and WDD121	
WDD226	Web Development with PHP and MySQL	3	CSE122 and WDD121	
WDD229	Advanced Web Design▲+	3	WDD122	
<b>Total</b>		<b>30</b>		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	Take first semester	
CIS126	Fundamentals of Information Systems^	3	IDS102 or proficiency	
COM121	Effective Speaking	3	None	
or		or	or	
COM122	Interpersonal Communication	3	None	
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)	
CPD123	Structured Query Language	3	CPD121	
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	Quantitative Reasoning^	3	Pre/Co-MTH018 or 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 <sup>1</sup>	3	Check for prerequisites	
	Select one (1) Social and Behavioral Sciences Elective from the list below <sup>2</sup>	3	Check for prerequisites	
<b>Total</b>		<b>31</b>		
<b>TOTAL CREDIT HOURS</b>		<b>61</b>		

^Based upon 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.

▲ Courses 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 and Behavioral Sciences Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

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)
CSE122	Programming Logic and Problem Solving^	3	<b>and</b> (ITD100 or Proficiency)
ENG124	College Composition^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
CIS126	Fundamentals of Information Systems^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b>
WDD121	Internet Design and Development^	3	Proficiency
		<u>3</u>	IDS102 or Proficiency
		<b>16</b>	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
<u>Second Semester</u>			
MTH118	Quantitative Reasoning^	3	Pre/Co-MTH018 or MTH022 or
CPD123	Structured Query Language	3	MTH023 or Proficiency
WDD221	Web Development with JavaScript▲+	3	CPD121
WDD222	Advanced Cascading Style Sheets▲+	3	CSE122 <b>and</b> WDD121
WDD224	Active Server Page Development	3	WDD121
		<u>3</u>	CSE122 <b>and</b> WDD121
		<b>15</b>	
<u>Summer 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
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		<b>6</b>	
<u>Third Semester</u>			
CPD224	Advanced Microsoft SQL Server Database	3	CPD123
WDD122	Web Graphics Design▲-	3	WDD121
WDD225	ASP .Net MVC Development ▲	3	CSE122 <b>and</b> WDD121
WDD223	Content Management System Design and Development ▲	3	CPD121 <b>and</b> WDD121
		<u>3</u>	
		<b>12</b>	
<u>Fourth Semester</u>			
<i>Social and Behavioral Sciences Elective<sup>2</sup></i>		3	
CSE236	Analyzing Software Requirements and Developing Solutions	3	(CIS221 or CSE235 or CSE229 or
WDD226	Web Development with PHP and MySQL	<u>3</u>	CSE231 or CSE233 or WDD221 or
WDD229	Advanced Web Design▲+	<u>3</u>	WDD222 or WDD224 or
		<b>12</b>	WDD225 or
		<b>61</b>	WDD226) <b>and</b> CPD123
			CSE122 <b>and</b> WDD121
			WDD122
	<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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