



## ASSOCIATE OF APPLIED BUSINESS

# WEB DESIGN AND DEVELOPMENT

2022-23 Catalog

Effective Summer 2022

**5100**

*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
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	<i>Take first semester</i>	
CIS126	Fundamentals of Information Systems^	3	IDS102 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	
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)	
	<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 and Behavioral Sciences 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>		

^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

### 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	
MTH118	Quantitative Reasoning^	3	Pre-Co-MTH018 <b>or</b> MTH022 <b>or</b> MTH023 <b>or</b> Proficiency
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
CSE122	Programming Logic and Problem Solving^	<u>3</u>	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
		7	
<u>Second Semester</u>			
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
CIS126	Fundamentals of Information Systems^	3	IDS102 or Proficiency
WDD121	Internet Design and Development^	<u>3</u>	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
		9	
<u>Third Semester</u>			
CPD121	Data Modeling and Database Design^	3	(IDS102 or Proficiency) <b>and</b> (ITD100 or Proficiency)
<i>Social and Behavioral Sciences Elective<sup>2</sup></i>		3	<i>Check for prerequisites</i>
WDD122	Web Graphics Design▲-	3	WDD121
		9	
<u>Fourth Semester</u>			
WDD222	Advanced Cascading Style Sheets▲+	3	WDD121
WDD224	Active Server Page Development	<u>3</u>	CSE122 <b>and</b> WDD121
		6	
<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
<i>Arts &amp; Humanities Elective<sup>1</sup></i>		<u>3</u>	<i>Check for prerequisites</i>
		6	
<u>Sixth Semester</u>			
CPD123	Structured Query Language	3	CPD121
WDD221	Web Development with JavaScript▲+	3	CSE122 <b>and</b> WDD121
WDD226	Web Development with PHP and MySQL	<u>3</u>	CSE122 <b>and</b> WDD121
		9	
<u>Seventh Semester</u>			
WDD225	ASP .Net MVC Development▲	3	CSE122 <b>and</b> WDD121
CPD224	Advanced Microsoft SQL Server Database	3	CPD123
WDD223	Content Management System Design and Development▲	3	CPD121 <b>and</b> WDD121
		9	
<u>Eighth Semester</u>			
CSE236	Analyzing Software Requirements and Developing Solutions	<u>3</u>	(CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) <b>and</b> CPD123
WDD229	Advanced Web Design▲+	<u>3</u>	WDD122
		6	
	<b>TOTAL CREDITS</b>	<b>61</b>	

See footnotes on first page