



# ASSOCIATE OF APPLIED BUSINESS

## WEB DESIGN AND DEVELOPMENT

*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.*

**1819 Catalog**  
Effective Summer 2018

**5100**

*Business and Information Technology 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	
CSE236	Analyzing Software Requirements and Developing Solutions ▲	3	(CIS221 or CSE229 or CSE233 or CSE231 or WDD221 or CSE227 or WDD224 or WDD222 or WDD226) and CPD123	
WDD122	Web Graphics Design ▲	3	WDD121	
WDD221	Web Development with JavaScript ▲	3	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	Advanced Active Server Page Development ▲	3	WDD224	
WDD226	Web Development with PHP and MySQL ▲	3	CSE122 and WDD121	
WDD227	Advanced Web Development with PHP and MySQL ▲	3	WDD226	
WDD229	Advanced Web Design ▲	3	WDD122	
<b>Total</b>		<b>33</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)	
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	
MTH108	Explorations in Modern Mathematics^	3	(MTH091 and MTH092) or Proficiency	
WDD121	Internet Design and Development^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
WDD228	Search Engine Optimization ▲	3	WDD121	
	<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 Science 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>64</b>		

^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.

<sup>1</sup>Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

<sup>2</sup>Social Science Electives: PSC121, PSY121, PSY122, 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)
CIS126	Fundamentals of Information Systems^▲	3	<b>and</b> (ITD100 or Proficiency)
WDD121	Internet Design and Development^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b>
		<u>3</u>	Proficiency
		<b>16</b>	IDS102 or Proficiency
			(IDS102 or Proficiency)
			<b>and</b> (ITD100 or Proficiency)
<u>Second Semester</u>			
MTH108	Explorations in Modern Mathematics^	3	(MTH091 and MTH092)
CPD123	Structured Query Language ▲	3	<b>or</b> Proficiency
WDD221	Web Development with JavaScript▲	3	CPD121
WDD222	Advanced Cascading Style Sheets ▲	3	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>			
<i>Social Sciences Elective<sup>2</sup></i>			
WDD122	Web Graphics Design ▲	3	WDD121
WDD225	Advanced Active Server Page Development ▲	3	WDD224
WDD226	Web Development with PHP and MySQL ▲	3	CSE122 <b>and</b> WDD121
WDD228	Search Engine Optimization ▲	3	WDD121
		<u>3</u>	
		<b>15</b>	
<u>Fourth Semester</u>			
CSE236	Analyzing Software Requirements and Developing Solutions ▲	3	(CIS221 or CSE229 or CSE233 or CSE231 or WDD221 or CSE227 or WDD224 or WDD222 or WDD226)
WDD223	Content Management System Design and Development ▲	3	<b>and</b> CPD123
WDD227	Advanced Web Development with PHP and MySQL ▲	3	CPD121 <b>and</b> WDD121
WDD229	Advanced Web Design ▲	3	WDD226
		<u>3</u>	WDD122
		<b>12</b>	
	<b>TOTAL CREDITS</b>	<b>64</b>	

^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.

<sup>1</sup>Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

<sup>2</sup>Social Science Electives: PSC121, PSY121, PSY122, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225