



ASSOCIATE OF APPLIED BUSINESS

WEB DESIGN AND DEVELOPMENT

1718 Catalog

Effective Summer 2017

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. 3357:15-13-06.

Business and Information Technology Division

Computer Science and Information Systems Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CPD222	Microsoft SQL Server Database ▲	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 CPD121	
WDD122	Web Graphics Design ▲	3	WDD121	
WDD221	Web Development with JavaScript and AJAX ▲	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	
Total		33		
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	ENG011 or Proficiency	
MTH108	Explorations in Modern Mathematics [^]	3	(MTH091 and MTH092) or Proficiency	
WDD121	Internet/Intranet Design and Development [^]	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
WDD228	Search Engine Optimization ▲	3	WDD121	
	<i>Select one (1) Arts & Humanities Elective from the list below¹</i>	3	<i>Check for prerequisites</i>	
	<i>Select one (1) Social Science Elective from the list below²</i>	3	<i>Check for prerequisites</i>	
Total		31		
TOTAL CREDIT HOURS		64		

[^]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.

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

²Social 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	and (ITD100 or Proficiency)
ENG124	College Composition^	3	(IDS102 or Proficiency)
CIS126	Fundamentals of Information Systems ▲	3	and (ITD100 or Proficiency)
WDD121	Internet/Intranet Design and Development^	3	ENG011 or Proficiency
		<u>3</u>	IDS102 or Proficiency
		16	and (ITD100 or Proficiency)
<u>Second Semester</u>			
MTH108	Explorations in Modern Mathematics^	3	(MTH091 and MTH092)
			or Proficiency
<i>Social Sciences Elective²</i>		3	<i>Check for prerequisites</i>
WDD221	Web Development with JavaScript and AJAX ▲	3	WDD121
WDD222	Advanced Cascading Style Sheets ▲	3	WDD121
WDD224	Active Server Page Development ▲	3	CSE122 and WDD121
		<u>3</u>	
		15	
<u>Summer 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
<i>Arts & Humanities Elective¹</i>		<u>3</u>	<i>Check for prerequisites</i>
		6	
<u>Third Semester</u>			
CPD222	Microsoft SQL Server Database ▲	3	CPD121
WDD122	Web Graphics Design ▲	3	WDD121
WDD225	Advanced Active Server Page Development ▲	3	WDD224
WDD226	Web Development with PHP and MySQL ▲	3	CSE122 and WDD121
WDD228	Search Engine Optimization ▲	3	WDD121
		<u>3</u>	
		15	
<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)
			and CPD121
WDD223	Content Management System Design and Development ▲	3	CPD121 and WDD121
WDD227	Advanced Web Development with PHP and MySQL ▲	3	WDD226
WDD229	Advanced Web Design ▲	3	WDD122
		<u>3</u>	
		12	
	TOTAL CREDITS	64	

^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.

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

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