

**PROGRAM: IT-Cloud Computing – Data Specialist Option (A25590AC) Advising Guide
2025-2026**

FALL SEMESTER I				
8 Weeks Session 1	8 Weeks Session 2	Course	Credit Hours	Program Notes
X		ACA 120 – Career Assessment	1	
X		CIS 110 - Introduction to Computers	3	
X		CTI 110 - Web, Programming, Database Fdn.	3	
	X	CSC 120 - Computing Fundamentals I <i>Pre-req MAT-003 or MAT-025 or MAT-035 or MAT-121 or MAT-171</i>	4	
	X	CTI 120 - Network and Security Fundamentals	3	
	X	ENG 111 - Writing and Inquiry <i>Pre-req ENG-002 or ENG-025</i>	3	

SPRING SEMESTER I				
8 Weeks Session 1	8 Weeks Session 2	Course	Credit Hours	Program Notes
X		WEB 182 - PHP Programming <i>Pre-req CIS-115 OR CSC-120 OR CTI-110</i>	3	Spring only
X		Natural Science/Mathematics Elective	3-5	
	X	CSC 113 – AI Fundamentals	3	
	X	DBA 110 - Database Concepts	3	
	X	DBA 120 - Database Programming I	3	Spring only

SUMMER SEMESTER				
8 Weeks		Course	Credit Hours	Program Notes
X		CTS 115 - Info Sys. Business Concepts	3	

FALL SEMESTER II				
8 Weeks Session 1	8 Weeks Session 2	Course	Credit Hours	Program Notes
X		CSC 284 - Emerging Computer Prog. Tech.	3	Fall only
X		DBA 115 - Database Applications <i>Pre-req DBA-110</i>	3	Fall only
	X	Humanities / Fine Arts Elective	3	
	X	CSC 227 - Cloud Application Development	3	Fall only
	X	WEB 250 - Database Driven Websites <i>Pre-req WEB-182</i>	3	Fall only

SPRING SEMESTER II				
8 Weeks Session 1	8 Weeks Session 2	Course	Credit Hours	Program Notes
X		CSC 115 - Machine Learning I	3	Spring only
X		CSC 124 - Introduction to Data Science Programming	3	Spring only
X		Communications Elective	3	
	X	DBA 289 - Database Project <i>Pre-req CTI-110 AND CTI-120 AND CTS-115</i>	3	Spring only
	X	Social/Behavioral Science Elective	3	