

**PROGRAM: IT-Computer Programming Option (A25590A2) Advising Guide  
2025-2026**

<b>FALL SEMESTER I</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		CIS 110 - Introduction to Computers	3	
X		CTI 110 - Web, Programming, Database Fdn.	3	
X		CTI 120 - Network and Security Fundamentals	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 130 - Operating Systems and Device Fdn.	6	

<b>SPRING SEMESTER I</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
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 151 - Java Programming <i>Pre-req CSC-120</i>	3	
	X	DBA 110 - Database Concepts	3	
	X	ENG 111 - Writing and Inquiry <i>Pre-req ENG-002 or ENG-025</i>	3	

<b>SUMMER SEMESTER I</b>				
<b>8 Weeks</b>		<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		CTS 115 - Info Sys. Business Concepts	3	

<b>FALL SEMESTER II</b>				
<b>8 Weeks Session 1</b>	<b>8 Weeks Session 2</b>	<b>Course</b>	<b>Credit Hours</b>	<b>Program Notes</b>
X		CSC 153 – C# Programming <i>Pre-req CIS-115 or CSC-120</i>	3	Fall only
X		CSC 227 – Cloud Application Development	3	Fall only
	X	CSC 249 - Data Structures & Algorithms <i>Pre-req CSC-120</i>	3	Fall only
	X	CSC 251 – Advanced JAVA Programming <i>Pre-req CSC-151</i>	3	Fall only
	X	WEB 250 - Database Driven Websites <i>Pre-req WEB-182</i>	3	Fall only

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<b>SPRING SEMESTER II</b>				
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X		CSC 253 - Advanced C# Programming <i>Pre-req CSC-153</i>	3	Spring only
X		Humanities / Fine Arts Elective	3	
	X	CSC 289 - Programming Capstone Project <i>Pre-req CTI-110 AND CTI-120 AND CTS-115</i>	3	Spring only
	X	Communications Elective	3	
	X	Social/Behavioral Science Elective	3	