Computer Technologies Department

IT: Computer Programming and Development A25590P

2025-2026 Academic Year

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	Prefix	No	Title	Class	Lab	Clinic	Credit	Course Prerequisites
Fall I								
	CIS	110	Introduction to Computers	2	2	0	3	None
	CTI	110	IT Foundations ▲	2	2	0	3	None
	CTI	120	Network & Sec Foundations ▲	2	2	0	3	None
	CTS	115	Information Systems Business Concepts	3	0	0	3	None
	Elective	1	College Success	1	0	0	1	None
	Elective	2	Natural Science/Mathematics	2	2	0	3	See Catalog
			Total Recommended Hours	**12**	**8**	**0**	**16**	
Spring I								
	CSC	113	Artificial Intel. Fundamentals	2	2	0	3	None
	CSC	120	Computing Fundamentals 1 ▲	3	2	0	4	None
	CSC	153	C# Programming ▲	2	3	0	3	None
	CSC	121	Python Programming	2	3	0	3	None
	DBA	110	Database Concepts	2	3	0	3	None
			Total Recommended Hours	**9**	**11**	**0**	**16**	
Summer I								
	ENG	111	Writing and Inquiry	3	0	0	3	See Catalog
	Elective	3	Communication ***(Recom: COM 231)***	3	0	0	3	See Catalog
			Total Recommended Hours	**6**	**0**	**0**	**6**	
Fall II								
	CSC	253	Advanced C# Programming	2	3	0	3	CSC 153
	CSC	151	JAVA Programming	2	3	0	3	None
	CSC	221	Advanced Python Programming	2	3	0	3	CSC 121
	CTS	240	Project Management	2	2	0	3	None
	DBA	120	Database Programming I	2	2	0	3	DBA 110
	Elective	6	WBL 111 or CSC 134▲▲	0	0	10/0	1/3	See Catalog
			Total Recommended Hours	**10**	**13**	**10/0**	**16/18**	**▲▲**
Spring II								
	CSC	251	Advanced JAVA Programing	2	3	0	3	CSC 151
	CSC	289	Programming Project	1	4	0	3	CTI 110 AND CTI 120 AND CTS 115
	CTS	285	Systems Analysis & Design	2	2	0	3	CSC 121 OR CSC 134 OR CSC 151 OR CSC 153
	Elective	4	Social/Behavioral ***(Recom: PSY 150)***	3	0	0	3	See Catalog
	Elective	5	Humanities/Fine Arts	3	0	0	3	See Catalog
	Elective	6	WBL 121 or CSC 134▲▲	0	0	10/0	1/3	See Catalog
			Total Recommended Hours	**11**	**9**	**10/0**	**16/18**	**▲▲**
			Total Program Hours	**49**	**44**	**20/0**	**70/73**	

Program Option/Electives
Elective 1 - ACA 111 or ACA 122
Elective 2 - MAT 121 OR MAT 143 OR MAT 171
Elective 3 - COM 231 or ENG 112
Elective 4 - ECO 251, POL 120, PSY 150, OR SOC 210
Elective 5 - ART 111, MUS 110 OR PHI 240
Elective 6 - (WBL 111 and WBL 121 combined) or CSC134 ▲▲

Program's highest developmental courses that MUST be completed	**Placement scores determine required courses**

Notes:

▲ Key courses for first year students.
▲▲ CSC 134 can be taken in place of WBL 111 and WBL 121 in Summer I.