Pathway Certificate   **Junior Programmer**
2022-2023   **12 Credits**

Computer Information Systems

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	UCC Course Number/Title		Credits	Terms	Prerequisites/Notes
Term 1	CIS 122	Orientation to Programming	4	F	MTH 095 or equivalent; placement into WR 121 or higher.
Term 2	CIS 133CS	Introduction to Programming I	4	W	CIS 122 and CIS 120, or instructor approval
Term 3	CIS 233CS	Introduction to Programming II	4	S	CIS 133CS and CIS 275 or instructor approval (CIS 275 may be taken concurrently).
Summer					
	Total Credits		**12**		

Advising Notes		* Prerequisites of required courses			
		If students choose to vary from this suggested sequence, then prerequisites and term availability must be watched closely because class time conflicts may arise, and/or desired courses may not be available.			
Required/ Recommended Equipment and Software					