Revised Fall 2024
5 Semesters

INFORMATION TECHNOLOGY
Software Development
Associate Degree (A25590S)

Catalog/Academic Year 2024-2025

Key to symbols after some courses:

* Developmental courses may be required based on college placement and course requisites.

** Requires prior approval by Work Based Learning Coordinator.

GE Fulfills the general education requirements for this degree.

FIRST FALL SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X			ACA 122 College Transfer Success	0	2	0	1	
X			CIS 110 Introduction to Computers **OR**	2	2	0	3	
		X	CTS 120 Hardware/Software Support	2	3	0	3	Hybrid
X			CTI 110 Web, Programming, & Database Foundation	2	2	0	3	
X			CTI 120 Networking & Security Foundation	2	2	0	3	Hybrid or Online
	X		CTS 115 Information Systems Business Concepts	3	0	0	3	Hybrid
	X		ENG 111 Writing and Inquiry*GE	3	0	0	3	

FIRST SPRING SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
	X		CSC 121 Python Programming	2	3	0	3	Hybrid
X			CSC 153 C# Programming	2	3	0	3	Hybrid
	X		CSC 253 Advanced C# Programming	2	3	0	3	Hybrid
X			MAT 143 Quantitative Literacy*GE **OR**	2	2	0	3	
		X	MAT 171 Precalculus Algebra*GE	3	2	0	4	MAT 171 for transfer
X			WEB 110 Web Development Fundamentals	2	3	0	3	Hybrid or Online

SUMMER TERM

8 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X	ENG 112 Writing/Research in the DisciplinesGE	3	0	0	3	
X	Humanities/Fine Arts Elective*GE	3	0	0	3	HUM 115 recommended

SECOND FALL SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X			CSC 151 JAVA Programming	2	3	0	3	
	X		CSC 251 Advanced JAVA Programming	2	3	0	3	Hybrid
X			DBA 110 Database Concepts	2	3	0	3	Hybrid or Online
	X		DBA 120 Database Programming I	2	2	0	3	Online
X			WEB 115 Web Markup and Scripting	2	3	0	3	Hybrid

SECOND SPRING SEMESTER

Term A	Term B	16 Weeks	Course	Hours Class	Hours Lab	Hours Work	Hours Credit	Program Remarks
X			CSC 118 Swift Programming I	2	3	0	3	Hybrid
	X		CSC 152 SAS	2	3	0	3	Online
X			WBL 110 World of Work**	1	0	0	1	Online
		X	WBL 111 Work-Based Learning I**	0	0	10	1	
X			Major Elective	2	2-3	0	3	
	X		Social/Behavioral Sciences Elective*	3	0	0	3	PSY 150 recommended

MINIMUM SEMESTER HOURS REQUIRED FOR AAS DEGREE   66

Humanities/Fine Arts Elective – Choose one of the following:
ART 111, ART 114, ART 115, **HUM 115**, MUS 110, MUS 112, PHI 215, PHI 240

Major Elective – Choose one of the following:
CSC 134, CSC 249, NOS 120

Social/Behavioral Sciences Elective – Choose one course from the following:
ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, **PSY 150**, SOC 210

For additional information about requirements and graduation, please refer to the [Curriculum Program Completion and Graduation](#) policy. Program-specific criteria may be found on the respective [Programs](#) page. For questions about this program, consult the Program Director or an advisor for assistance.