

**INFORMATION TECHNOLOGIES B.T.****Bachelor of Technology****Software Development Track****Degree Sheet**

2026-2027 Catalog

<b>General Education Courses</b>			<b>40 Credit Hours</b>	<b>Credit Hours</b>	<b>Prerequisites</b>
ENGL	1113	English Composition I		3	[R] [W]
ENGL	1213	English Composition II		3	ENGL 1113
<i>Select One:</i>	HIST	1483 U.S. History to 1865 (S)		3	[R] [W]
	HIST	1493 U.S. History since 1865 (S)			
POLS	1113	American Government (S)		3	[R] [W]
POLS	3223	Problems in Public Policy		3	POLS 1113 or Dept Head Approval
PSYC	1113	Introductory Psychology (S)		3	[R] [W]
<i>Select One:</i>	SOC	1113 Introductory Sociology (S)		3	[R] [W]
	SOC	3623 Cultural Diversity (HS)			Junior Standing
<i>Select One:</i>	SPCH	1113 Introduction to Speech Communication		3	[R] [W]
	SPCH	2723 Interpersonal Communication (S)			
MATH	1483	Mathematical Functions and Their Uses		3	[M]
<i>Select any 6 credit hours designated as humanities (H), one lower level, and one upper level</i>					
				3	Varies
				3	Varies
<i>Select any 7 credit hours of science, one with a lab</i>					
				4	Varies
				3	Varies
<b>Support and Related Courses</b>			<b>6 Credit Hours</b>		
CIS	1503	Microcomputer Applications - MS Office		3	[R]
ITD	2193	Technical Support Communications		3	[R] [W]
<b>Technical Occupational Specialty</b>			<b>24 Credit Hours</b>		
CIS	1123	Programming Fundamentals		3	[R]
CIS	2363	Database Fundamentals		3	CIS 1113 or CIS 1503
CIS	2513	Cybersecurity Fundamentals		3	[R]
ITD	1103	Information Technology Fundamentals		3	[R]
ITD	1113	Client OS Fundamentals		3	[R]
ITD	1523	Hardware and OS Support (A+)		3	ITD 1103
ITD	1533	Networking Fundamentals		3	[R]
CIS	2803	Capstone		3	Sophmore Standing
<b>Software Development Track</b>			<b>12 Credit Hours</b>		
CIS	2013	C++ Language Programming		3	CIS 1123
CIS	2023	C# (Sharp) Programming		3	CIS 1123
CIS	2323	Java		3	CIS 1123
CIS	2703	Systems Analysis and Design		3	CIS 2013 or CIS 2023 or CIS 2323
<b>Required Upper Division Course</b>			<b>40 Credit Hours</b>		
CIS	3001	Employment Orientation		1	Junior Standing
CIS	3023	Web Programming		3	CIS 2013 or CIS 2023 or CIS 2323
CIS	3113	Information Project Management		3	None
CIS	3163	Cyber Ethics and Law		3	None
CIS	3463	Database Administration		3	CIS 2363
CIS	3663	Software Development .NET		3	CIS 2023
CIS	3713	Software Integration		3	CIS 2703
CIS	4323	Data Structures		3	CIS 2013 or CIS 2023 or CIS 2033 or CIS 2323
CIS	4333	Mobile Programming		3	CIS 3023
CIS	4453	Software Engineering		3	CIS 3663
		Approved Technical Elective (3000 or 4000 level)		3	Varies
CIS	4900	Internship		9	Senior Standing

**Total to Graduate 122**