

**BACHELOR OF APPLIED TECHNOLOGY
Computer & Information Technologies**

**LOWER DIVISION REQUIREMENTS
General Education Core Curriculum**

			SCH
FIRST YEAR - FALL SEMESTER			
ENGL	1301	Composition I	3
HIST	1301	United States History I or HIST 2327	3
		Language, Philosophy & Culture Elective - Core Curriculum	3
		Component Area Option - Core Curriculum	3
ITNW	1425	Fundamentals of Networking Technologies or CPMT 1449	4
FIRST YEAR - SPRING SEMESTER			
ENGL	1302	Composition II - Rhetoric	3
HIST	1302	United States History II or HIST 2328	3
MATH	1414	College Algebra	4
ITNW	2421	Networking with TCP/IP or CPMT 2449	4
SECOND YEAR - FALL SEMESTER			
GOVT	2305	Federal Government	3
		Life & Physical Sciences Elective - Core Curriculum	4
		Creative Arts Elective - Core Curriculum	3
		Technical Specialty Course	3
ITSE	1431	Intro to Visual Basic Programming or COSC 1430	4
SECOND YEAR - SPRING SEMESTER			
		Social & Behavioral Sciences Elective - Core Curriculum	3
		Life & Physical Sciences Elective - Core Curriculum	4
ITSE	1411	Beginning Web Page Programming or COSC 1315	3 to 4
		Technical Specialty Course	3
GOVT	2306	Texas Government	3
Third Year - Fall Semester			
		Technical Specialty Course	3
		Technical Specialty Course	3
		Technical Specialty Course	3
CITP	3360	Digital Image Processing and Presentation	3
CITP	3305	System Analysis and Design	3
Third Year - Spring Semester			
CITP	3312	Fundamentals of Information Security	3
CITP	3302	Advanced Networking (Networking +)	3
		Technical Specialty Course	3
		Technical Specialty Course	3
		Technical Specialty Course	3
Fourth Year - Fall Semester			
CITP	3310	Survey of Programming Languages	3
CITP	4316	Advanced Web Design	3
CITP	3320	Database Management	3
CITP	4345	Data Communications-Convergent Technology	3
CITP	4350	Advanced Computer Programming	3
Fourth Year - Spring Semester			
CITP	4330	Advanced Network Security	3
CITP	4301	CAPSTONE: Computer/Info. Tech Internship	3
CITP	4340	Special Topics Course- CIT	3
		Computer & Info. Technology Elective	3

*Note: Students entering the BAT program with a completed Associate of Science (A.S.) or Associate of Arts (A.A.) degree may apply their field of study coursework toward the 33 semester credit hour technical specialty requirement.