Bachelor of Applied Science in Information Technology

Updated 7/16/2024

Catalog Year: 2024-2025

Total Degree Credit Hours: 120

I Institutional Priority	**2 Classes** **5 Credit Hours**	**Complete the following course:** ECON 1000	AND	**Complete one course from the following:** AMST 1102, ASIA 1102, BLCK 1102, COMM 1100, GWST 1102, LALS 1102, LDRS 2300, PAX 1102, ISD 2700, POLS 2401, RELS 1102
M Mathematics & Quantitative Skills	**1 Class** **3- 4 Credit Hours**	**Complete the following course:** MATH 1113 *Computing-related Science Majors: Students must take MATH 1113 or higher* *Computing-related Engineering Majors: Students must take MATH 1190 or higher*		
P Political Science and U.S. History	**2 Classes** **6 Credit Hours**	**Complete the following course:** POLS 1101	AND	**Complete one course from the following:** HIST 2111, HIST 2112
A Arts, Humanities, and Ethics	**2 Classes** **6 Credit Hours**	**Select one course from the following:** CHIN 1001 **or** CHIN 1002, ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2140, FREN 1001 **or** FREN 1002, GRMN 1001 **or** GRMN 1002, HEBR 1001 or HEBR 1002, ITAL 1001 **or** ITAL 1002, JAPN 1001 **or** JAPN 1002, KOR 1001 **or** KOR 1002, LATN 1001 **or** LATN 1002, PHIL 2010, PORT 1001 **or** PORT 1002, RUSS 1001 **or** RUSS 1002, SPAN 1001 **or** SPAN 1002, WLC 1002, WLC 2209	AND	**Complete one course from the following:** ART 1107, DANC 1107, MUSI 1107, TPS 1107
C Communication in Writing	**2 Classes** **6 Credit Hours**	**Complete the following course:** ENGL 1101	AND	**Complete the following course:** ENGL 1102
T Technology, Mathematics, and Science	**3 Classes** **10-12 Credit Hours**	**Complete one course from the following:** MATH 1190, MATH 2202 *Computing-related Science Majors: Students must take MATH 1190 or higher* *Computing-related Engineering Majors: Students must take MATH 2202*	AND	**Science Majors and Engineering Majors**: Select two course pairs from the following (8 Credit Hours) CHEM 1211 **and** CHEM 1211L CHEM 1212 **and** CHEM 1212L PHYS 1111 **and** PHYS 1111L PHYS 1112 **and** PHYS 1112L PHYS 2211 **and** PHYS 2211L PHYS 2212 **and** PHYS 2212L BIOL 1107 **and** BIOL 1107L BIOL 1108 **and** BIOL 1108L *Please note: Students cannot take both PHYS 1111/L and PHYS 2211/L nor PHYS 1112/L and PHYS 2212/L.*
S Social Sciences	**2 Classes** **6 Credit Hours**	**Complete one course from the following:** HIST 1100, HIST 1111, HIST 1112	AND	**Complete one course from the following:** CRJU 1101, GEOG 1101, PSYC 1101, SOCI 1101, STS 1101, ANTH 1102, ECON 2106

Core Field of Study

	Prerequisites			
IT 1114 & IT 1114L Programming Principles & Programming Principles Lab	Lecture and Lab must be taken at the same time	4		All courses must have a minimum grade of 'C' to count towards degree requirements.
CSE 1321 & CSE 1321L Programming & Problem Solving I	Lecture and Lab must be taken at the same time	4		
MATH 2345 Discrete Mathematics *OR* **CSE 2300** Discrete Structures	MATH 1113 or 1190 or 1179	3		Courses listed as concurrent prereqs may be done before or at the same time as the requirement
	Min. grade of 'B' or better in CSE 1321/L & (MATH 1113 or 1190 or 1179)			
Technical Block – 6 Credits	Transferred from AAS (Please contact advisor)	6		
+ 1 hour from Technology, Mathematics, and Sciences		1		

Major Core Requirements

	Prerequisites			
CSE 3153 Database Systems	IT 1114/L or CSE 1322/L	3		All major courses must have a minimum grade of 'C.'
CSE 3801 Professional Practices and Ethics	CSE 1322/L or **Concurrent:** IT 3123	2		
IT 3003 Professional Development & Entrepreneurship	**Concurrent:** IT 3123	3		
IT 3123 Hardware & Software Concepts	IT 1114/L or CSE 1321/L	3		
IT 3203 Intro to Web Development	IT 1114/L or CSE 1321/L	3		
IT 3223 Software Acquisition & Project Management	IT 1114/L or CSE 1321/L	3		
IT 3423 Operating Systems Concepts & Administration	IT 3123	3		Courses listed as concurrent prereqs may be done before or at the same time as the requirement
IT 3883 Advanced Applications Development	(IT 1114/L or CSE 1321/L) **and** (CSE 3153/CS 3410)	4		
IT 4323 Data Communications & Networks	IT 3123	3		
IT 4683 Management of IT & Human Computer Interaction	CSE 3153/CS 3410	3		
IT 4823 Information Security Administration & Privacy	IT 3123 & (CSE 2300 *or* MATH 2345)	3		
IT 4983 IT Capstone	IT 3423, IT 3223, IT 3203 & **Concurrent:** IT 4323, IT 4823	3		
+ 1 hour from Technology, Mathematics, and Sciences		1		

Technical Block (20 Credit Hours)

CIS/CIST courses from the AAS degree
Students must have a minimum grade of C on all Lower Division, Upper Division, Directed Electives, and any other prerequisites.

Transferred from AAS (Please contact advisor)			

Directed Electives (3 Credit Hours)

	Prerequisites		
		3	

At least 3 credit hours 3000/4000 level IT courses, not required as Upper Division Major Courses. You may choose any IT course **not** already being used for major requirements/tech block. In addition to 3000 or 4000 level unused IT courses, students can also take FTA 4001 Foundations of FinTech, FTA 4002 Financial Technologies, FTA 4005 Introduction to Financial Data Analytics, or CSE 4983 CSE Internship

CSE 4983 CSE Internship requires pre-approval before being able to register for the class. For more information: https://ccse.kennesaw.edu/student-resources/ccse-internships.php