Bachelor of Applied Science in Information Technology

KENNESAW STATE UNIVERSITY

Catalog Year: 2022-2023

Total Degree Credit Hours: 120

General Education Requirements (42 credit hours. See Degreeworks for Prerequisites)

A-1	**ENGL 1101** Composition I	3	
	ENGL 1102 Composition II	3	
A-2	**MATH 1113** Pre-Calculus	3	

Area A: Essential Skills (9 credit hours)
All Area A courses must be completed within the first 30 credit hours with a grade of C or higher.

B-1	**ECON 1000** Contemporary Economic Issues	2	
B-2	**COM 1100** Human Communication	3	

Area B: Institutional Options (5 credit hours)
COM 1100 is recommended for IT majors.

C-1	**ENGL 2000-level** Literature or **PHIL 2010** Intro to Philosophy	3	
C-2	**ART/DANC/MUSI/TPS 1107** Arts and Culture of the World	3	
D-1	**MATH 1190** Calculus 1	3	
D-2	**BIOL 1107/L, BIOL 1108/L, CHEM 1211/L, CHEM 1212/L, PHYS 1111/L, PHYS 1112/L, PHYS 2211/L, PHYS 2212/L**	7	

Area C: Humanities, Fine Arts, and Ethics (6 cr hrs)
Choose one course from each area.

Area D: Science, Math, and Technology (12 cr hrs)
Information Technology majors must complete two 4-credit hour science courses. "L" denotes the corresponding lab course. Students will complete a total of 12 credit hours in this area, 2 of which are carried over to Area F and upper division major requirements.
Students cannot take both PHYS 2211/L and PHYS 1111/L nor PHYS 2212/L and PHYS 1112/L

E-1	**POLS 1101** American Government	3	
E-2	**HIST 2111 or 2112** US History	3	
E-3	**HIST 1100/1111/1112** World History	3	
E-4	**CRJU/GEOG/PSYC/SOCI/STS 1101 or ANTH 1102 or ECON 2106**	3	

Area E: Social Sciences (12 credit hours)
Choose one course from each area for E-2, E-3, & E-4.

Area F Lower Division Major Requirements (18 Credit Hours)

	Prerequisites		
IT 1114 & IT 1114L Programming Principles & Programming Principles Lab	Lecture and Lab must be taken together.	4	
CSE 1321 & CSE 1321L Programming & Problem Solving I	Lecture and Lab must be taken together.	4	
MATH 2345 Discrete Mathematics *OR* **CSE 2300** Discrete Structures	MATH 1113 or 1190	3	
	Min. grade of 'B' or better in CSE 1321/L & (MATH 1113 or 1190)		
Technical Block – 6 Credits	Transferred from AAS	6	
One credit from Area D2 Science		1	

All courses must have a minimum grade of 'C' to count towards degree requirements.

Courses listed as concurrent prereqs may be done before or at the same time as the requirement

Upper Division Major Courses (37 Credit Hours)

Course	Prerequisites		
CSE 3153 Database Systems	IT 1114/L or CSE 1322/L	3	
CSE 3801 Professional Practices and Ethics	IT 3123 or CSE 1322/L	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	
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	
One credit carried over from Area D1		1	

All major courses must have a minimum grade of 'C'.

Courses listed as concurrent prereqs may be done before or at the same time as the requirement

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			

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