Bachelor of Applied Science in Information Technology

KENNESAW STATE UNIVERSITY

Catalog Year: 2020-2021

Total Degree Credit Hours: 120

General Education Requirements (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	3	
C-2	**ART/DANC/MUSI/TPS 1107** Arts and Culture of the World	3	

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

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 D: Science, Math, and Technology (11-12 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 2100**	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

	Prerequisites		
CSE 1321/L Programming & Problem Solving I		4	
CSE 1322/L Programming & Problem Solving II	'B' or better in CSE 1321/L	4	
MATH 2345 Discrete Mathematics *OR*	MATH 1112/1113/1190	3	
CSE 2300 Discrete Structures	MATH 1113 & CSE 1321/L		
Technical Block – 6 Credits		6	
One credit from Area D2 Science		1	

CSE 1321, CSE 1321L, CSE 1322 and CSE 1322L must have a minimum grade of 'B.'

All courses in addition to CSE 1321/L and CSE 1322/L must have a minimum grade of 'C' to count towards degree requirements.

Upper Division Major Courses (37 Credit Hours)

	Prerequisites		
CSE 3153 Database Systems	CSE 1322/L	3	
CSE 3801 Professional Practices and Ethics	CSE 1322/L	2	
IT 3003 Professional Development & Entrepreneurship	IT 3123*	3	
IT 3123 Hardware/Software Concepts	CSE 1321/L with a 'B' or better or IT 1113	3	
IT 3203 Intro to Web Development	CSE 1321/L with a 'B' or better or IT 1113	3	
IT 3223 Software Acquisition & Project Management	CSE 1321/L with a 'B' or better	3	
IT 3423 Operating Systems Concepts & Administration	IT 3123	3	
IT 3883 Advanced Applications Development	CSE 1322/L with a 'B' or better & (CSE 3153* or CS 3410*)	4	
IT 4323 Data Communications & Networks	IT 3123	3	
IT 4683 Management of IT & HCI	CSE 3153	3	
IT 4823 Information Security Administration	CSE 3153 & IT 3123 & (CSE 2300 or MATH 2345)	3	
IT 4983 IT Capstone	IT 3423, IT 3223, IT 3203 & IT 4323*, IT 4823*	3	
One credit carried over from Area D1		1	

All major courses must have a minimum grade of 'C,' except for CSE 1321/L and CSE 1322/L which must have a minimum grade of 'B.'

* - can be done concurrently with course

Technical Block (21 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 prerequisite's.

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. Students can also take FTA 4001 Foundations of FinTech, FTA 4002 Financial Technologies, or FTA 4005 Introduction to Financial Data Analytics.