Bachelor of Arts in Applied Computer Science

KENNESAW STATE UNIVERSITY

Catalog Year: 2017-2018 Total Degree Credit hours: 120

General Education Requirements (See DegreeWorks or catalog for prerequisites)

A-1	**ENGL 1101** Composition I	3	
	ENGL 1102 Composition II	3	
A-2	**MATH 1113** Pre-Calculus or **MATH 1112** College Trigonometry	3	

Area A: Essential Skills **9 credit hours**

Must complete all three requirements in this area within first 30 credit hours.

Students must have C or better on all classes in this area.

B-1	**ECON 1000** Contemporary Economic Issues	2	
B-2	**FL 1002** Intro to Foreign Lang I or **COM 1100** Human Communication	3	

Area B: Institutional Options **5 credit hours**

If you take COM 1100 you must still complete the FL 1002 before taking FL 2001 in Area F, unless you test into FL 2001 or obtain CLEP credit for FL 1002.

C-1	**ENGL 2000-level** Literature	3	
C-2	**ART/DANC/MUSI/TPS 1107** Arts and Culture of the World	3	

Area C: Humanities/Arts **6 credit hours**

Choose one course from both groups.

D-1	**MATH 1190** Calculus I	4	
D-2	**CHEM 1211/L or CHEM1151/L or PHYS 1111/L or PHYS 2211/L or BIOL 1107/L**	8	
	CHEM 1212/L or CHEM 1152/L or PHYS 1112/L or PHYS 2212/L or BIOL 1108/L		

Area D: Science, Math & Technology **11 credit hours**

Must complete a science sequence. "L" denotes accompanying lab section.

E-1	**POLS 1101** American Government	3	
E-2	**HIST 2111/2112** US History	3	
E-3	**HIST 1100/1111/1112** World History	3	
E-4	**CRJU/GEOG/PSYC/SOCI/STS 1101, ANTH 1102 or ECON 2100**	3	

Area E: Social Sciences **12 credit hours**

Choose one course from each group for requirements E-2 to E-4.

Free Electives (0-4 credit hours)

CSE 1300 is highly recommended for students new to programming.

CSE 1321/L = CS 1301 **STATS 1107 = STATS 1401**

CSE 1322/L = CS 1302 ccse.kennesaw.edu/advising/courseupdates.php

Area F Lower Division Major Requirements (18 credit hours)

Students must complete CSE 1321/L and CSE 1322/L with a 'B' or better to be admitted to this major.

		Prerequisites		
F-1	**CSE 1321/L** Programming and Problem Solving I w/lab OR **ACST 2301** Problem Solving and Computer Game Programming	Co-req: MATH 1112/1113/1190 or CSE 1300 No Prereq	4	
F-2	**CSE 1322/L** Programming and Problem Solving II w/lab OR **ACST 2312** Programming with .NET Framework	'B' or better in CSE 1321/L ACST 2301	4	

It is recommended for students to take CSE 1300 Intro to Computing Principles if they do not have any background or experience in computer programming, and should do CSE 1321/L in the following semester.

Submit a change of major request after earning a 'B' or better in CSE 1322/L.

*MATH prerequisite could also be MATH 1112 or MATH 1190.

Students must have a C or better on all courses included in Area F and a B or better for CSE 1321/L and CSE 1322/l.

This is a gated major

Updated 3/25/19

F-4	**FL 2001** Intermediate Foreign Lang I	FL 1002	3	
F-5	**FL 2002** Intermediate Foreign Lang II	FL 2001	3	
F-3	**IS 2200** Info Systems and Communication	ENGL 1101 & (MATH 1111 or higher)	3	

+ 1 hr from STAT 1401

Additional Requirements (3 credit hours - 1 credit goes to Area F)

	Prerequisites		
STAT 1401 Introduction to Statistics	MATH 1111 or higher	3	

Students must have a C or better in these courses

Upper Division Major Courses (33 credit hours)

	Prerequisites		
CSE 3203 Overview of Mobile Systems	CSE 1322/L*	3	
CS 3410 or CSE 3153 Database Systems	CSE 1322/L*	3	
ACST 3330 Data Structures and DB Applications	CSE 1322/L*	3	
ACST 3340 Modern Languages: Theory, Scripting, R, HPC, Fortran	ACST 3330	3	
ACST 3510 Computer Architecture from Foundations to Cloud	CSE 1322/L*	3	
ACST 3530 Linux Operating Systems	ACST 3510	3	
ACST 3710 Digital Game Design & Team Project	CSE 1322/L*	3	
ACST 4620 Computing Security	ACST 3530	3	
LDRS 3000 Foundations of Leadership	ENGL 1102	3	
+ 2 hours from General Education (MATH 1190 and D-2 Lab credit)			

Students must have a C or better in all Upper Division courses.

*Students may need an override from CCSE Advising if they've taken ACSR 2312 instead.

Interdisciplinary Concentration (25-29 hours)

Must have C or better in all courses in the concentration.
Please see advisor or coordinator to discuss courses in concentration.
Students may propose an alternative concentration/minor. Must have coordinator approval.

Computing and Natural Sciences
Computing and Mathematical Sciences
Applied Computing
Computing in Arts and Humanities
Computing and Business

After choosing your concentration, please fill in this table to mark progress. Concentration courses and their prerequisites may be found by going to ccse.kennesaw.edu/advising/baacs_concentrations.php

Concentration Courses	**Prerequisites**	**Credits**	
ACST 4850 Interdisciplinary Project and Portfolio Preparation	ACST 3340	4	

_____ Minor Courses | Total credits: _____	**Prerequisites**	**Credits**	

This is a gated major

Updated 3/25/19