Table 1. BA Applied Computer Science and Technology

General Ed Area (44 hours), with a lab science sequence. 44

Specific General Education requirements for this major:

Math 1113	Precalculus	
Math 1190	Calculus I	

Any lab-based science sequence. Note that the science sequence chosen may limit the choice of minor.

LOWER DIVISION MAJOR REQUIREMENTS (AREA F) 19

ACS 2301	Problem Solving and Computer Game Programming	3
IS2200	Information Systems and Communication	3
MATH 1107	Elementary Statistics	3
CS 2301	Programming Principles I	4
FL 2001	Intermediate Foreign Language and Culture I	3
FL 2002	Intermediate Foreign Language and Culture II	3

UPPER DIVISION MAJOR REQUIREMENTS 33

ACS 3150	Programming with .Net Framework	4
IS3260	Web Development I	3
CS 3310	Introduction to Database Systems	3
ACS 3510	Computer Architecture & Robotics	3
ACS 3530	Linux Operating Systems & Networking	3
ACS 3330	Data Structures and Database Applications	3
ACS 3540	Social Media & Global Computing	3
ACS 3710	Digital Game Design	3
ACS 4550	Mobile Computing with Android	3
ACS 4620	Computing Security	3
CS 4850	Senior Project	2

REQUIRED MINOR _or_ CONCENTRATION 15

Select one minor or concentration from the following approved list.   .

Applied Mathematics Minor	Chemistry Minor
Mathematics of Computing Certificate	Information Security and Assurance Minor
Applied Stats & Data Analysis Minor	Geographical Information Systems
Business Information Systems Minor	concentration

MAJOR ELECTIVES 6

CSED 4416	Teaching of Computer Science	3
ACS 3720	Process and Systems Modeling	3
ACS 4320	Data Warehousing & Mining	3
ACS 4570	` Cloud Computing	3
CS 3610	Software Engineering	3
IS 3760	Web Development II	3

FREE ELECTIVES 3

PROGRAM TOTAL: 120

INSTITUTIONAL REQUIREMENTS **6**

KSU 1101	First Year Seminar	3
HPS 1000	Fitness for Living	3