Bachelor of Arts

In

Applied Computer Science (2016)

Computer Science Department, Kennesaw State University

Overview and Advising

Ver. 5

BA ACS Program Coordinator

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PROGRAM OVERVIEW

The Bachelor of Arts in Applied Computer Science (BA-ACS) is an innovative and interdisciplinary degree program. New in 2014, the BA-ACS complements our BS Computer Science, and both programs can lead into the MS Computer Science. The BA-ACS provides a broad multi-discipline educational experience, with required courses in Applied Computer Science, Information Systems, Software Engineering, Computer Science, CS Education, Foreign Languages, and an interdisciplinary minor. The BA program combines traditional computer science theory with application examples and hands-on used by industry.

The BA targets emerging fields within computer science including those spanning other disciplines. Coursework includes Web Development, Social Media, Database, Game Design, Linux OS, Mobile Computing, Data Warehousing, Cloud Computing, Data Mining, and Robotics. The BA can integrate with many other disciplines through the required minor. With a wide range of electives and a foreign language the program of study expands the student's outlook while allowing students to investigate the overlap and synergies between the minor discipline and computer science.

COMPARE AND CONTRAST

Differences between Our Bachelor of Arts and the Bachelor of Science:

The Bachelor of Arts is interdisciplinary, where students take in addition to their Applied Computer Science courses: Software Engineering, Information Technology, Computer Science, Information Systems, a minor from another discipline, and foreign languages. Our Computer Science Advisory Board suggested an approach for the Bachelor of Arts that includes hands-on assignments with tools actually used by industry. Interdisciplinary Computer Science is a crucial long-term direction in the computing discipline, for both research and application in computing.

Similarities between Our Bachelor of Arts and the Bachelor of Science:

Both programs include traditional Computer Science theory, mathematics, and science. The Bachelor of Science is currently ABET accredited [*ABET is the accrediting agency for CS, Technology and Engineering degree programs*], while the Bachelor of Arts, as a new program, is planned for ABET accreditation in the future. Both programs can lead to graduate study. Both programs allow undergraduate research experiences, coops, interns.

OTHER COMPUTING DISCIPLINES

- Information Systems is about the management of computing technology and resources within an organization or business enterprise.
- Computer Engineering is about the design and construction of the internals of a computer system and its components.
- Information Technology studies the function of technology and its application and integration.
- Software Engineering is about the formal design of large software systems for reliability and safety using approved and auditable processes and strategies.

COLLEGE OF COMPUTING AND SOFTWARE ENGINEERING

The College of Computing and Software Engineering (CCSE) is dedicated to all aspects of computing and its applications in engineering, science, and technology. We offer numerous undergraduate and graduate degree and certificate programs in all aspects of computing, including Computer Science, Gaming and Software Engineering, and Information Technology.

Through labs and internships we provide students with knowledge, skills, and hands-on experiences in order to meet the many challenges of the 21st century. Our mission is to set and maintain high-quality academic standards for student success and to help improve the quality of life by tackling tomorrow's complex problems through the application of computing, software engineering, and information technologies.

The CCSE at KSU is an excellent choice for undergraduate and graduate students who desire a quality educational experience, and we offer opportunities for students at all stages of their careers who are looking toward the next phase of their education. An outstanding faculty, sophisticated facilities, cutting edge technology and curriculum, extensive discovery and research opportunities, and personalized attention are just some of the wonderful resources and services available to our students. Please explore and see for yourself the world of opportunities that awaits you, especially the possibilities to work closely with our outstanding world-class faculty educators and researchers as well as our staff at CCSE/KSU.

Working in close collaboration with other campus offices, all of us in the CCSE are committed to providing quality education and service in a professional and efficient manner, positioning our students to be successful leaders and innovators in a world of ever-increasing challenges and demands. We look forward to assisting you in achieving your academic goals for undergraduate and graduate study.

Thank you for choosing or considering the CCSE at KSU to pursue your educational needs.

E.K. Park, PhD Dean of CCSE KSU

DEPARTMENT OF COMPUTER SCIENCE

The CS Department has roots dating back to the 1970s, but is also very young as a separate department with its own unique identity, having split with the Information Systems department on July 1, 2011. Our faculty take pride in our teaching and program excellence, and the department also hosts internationally-recognized research faculty. The department offers a Peer-Mentor program to help students in the lower division courses, supports a tutoring room, has labs in the Atrium building on the Marietta campus as well as Chastain Pointe suite 206 on the Kennesaw campus, hosts its own cloud computing system for teaching and research. We also have a Computer Science Commons area on the 2nd floor of the Atrium building, J263, for student and faculty collaboration.

Computer Science is a difficult and demanding major that requires persistence and determination, but leads to highly rewarding careers with exciting and dynamic opportunities in evolving technology.

ADVISING NOTES

MINORS

The BA-ACS program requires an interdisciplinary minor. Minors are from 15 to 18 credit hours of coursework that can be taken as a self-contained unit. The prerequisites for each course in the minor build on the other courses in the minor and require no additional external courses once the requirements for the first course have been met.

MINORS IN THE COLES COLLEGE OF BUSINESS

The BA-ACS program allows students to select a minor from the Coles College of Business. BA-ACS students have permission to take the required courses in the BA-ACS major from Coles College. BA-ACS students also have permission to take the minors in Information Systems and Information Security and Assurance. *Students need to complete three upper level major courses before taking upper level Coles courses.*

WHEN A MINOR REQUIRES A COURSE THAT IS ALSO REQUIRED IN THE MAJOR

The interdisciplinary nature of the BA-ACS can result in, depending on the minor chosen by the student, a course being a requirement for both the BA-ACS major and the student's choice of minor. The 2016 KSu Undergraduate Catalog states:

- "When a student's major and minor programs require the same courses, the credit hours for some of those courses may be counted toward both the major and minor."
- "However, at least 9 hours of minor must be non-duplicative with course requirements in the major." (6-9 hours MAY be duplicated).
- "Courses in the minor may be used to fulfil electives (free electives, technical electives, related studies, etc.) required by the student's major degree program. "

For instance, the BA requires two IS courses, IS 2200 Information Systems and Communication and IS 3260 Web Dev I, which total to 6 hours (3hrs each). Those courses may be duplicated and count for both the major and the minor (if IS or ISA minor). However, the **total number of hours for the degree remains constant at 120 hours,** consequently an additional 6 hours of major electives will be required.

SENIOR PROJECT CS 4850

This course should be taken in the last semester prior to graduation, not earlier.

COURSE SUBSTITUTIONS AND TRANSFERS FROM OTHER MAJORS

The program coordinator may approve substitutions for the major. We welcome transfers from other majors and will approve substitutions into the major from other courses that have been completed, when that is appropriate. Courses must have a grade of 'C' or better for substitution.

WEB SITES

Computer Science Department: <u>http://ccse.kennesaw.edu/cs/</u> College of Computing and Software Engineering: <u>http://ccse.kennesaw.edu/</u> College of Computing and Software Engineering Advising Center: <u>http://ccse.kennesaw.edu/advising/</u> KSU Registrar: <u>http://registrar.kennesaw.edu/</u>

BACHELOR OF ARTS IN APPLIED COMPUTER SCIENCE

Degree Program Requirements 03/08/16

Specific General Education requirement for this major:			
Math 1113 Precalculus			
Math 1190 Calculus			
Any lab-based science sequence. Note that the science sequence selec	ted may limit the choic	ce of minor.	
LOWER DIVISION MAJOR REOUIREMENTS (AREA	F)		19
COURSE TITLE	PREREO	Lecture-Lab-C	redit
ACST 2301 Problem Solving and Computer Game Programming	Admission	3-0-3	
IS 2200 Information Systems and Communication	Eng 1101 & Math 11	12/3 3-0-3	
MATH 1107 Elementary Statistics	Math 1112 or 1113	3-0-3	
CS/CSE 1301 Programming Principles I	Math 1112 or 1113	3-2-4	
FL 2001 Intermediate Foreign Language and Culture I	Introductory language	e 3-0-3	
FL 2002 Intermediate Foreign Language and Culture II	Introductory language	e 3-0-3	
UPPER DIVISION MAJOR REQUIREMENTS			30
ACST 3150 Programming with .Net Framework	CS 1301	3-2-4	
IS 3260 Web Development I or IT 3203	IS 2200	3-0-3	
Database IS 3280 Data Management (by substitution)	IS 2200	3-0-3	
Or CS 3410 or CSE 3153 Database (prereq subst)	ACST 3150		
ACST 3510 Computer Architecture & Robotics	ACST 3150	3-0-3	
ACST 3530 Linux Operating Systems & Networking	ACST 3510	3-0-3	
ACST 3330 Data Structures & Database Applications	Database	3-0-3	
ACST 3540 Social Media & Global Computing	ACST 3150	3-0-3	
ACST 3710 Digital Game Design	ACST 3150	3-0-3	
ACST 4620 Computing Security	ACST 3530	3-0-3	
CS 4850 Senior Project	Department Approva	1 2-0-2	
INTERDISCIPLINARY MINOR OR CONCENTRATION	N		15-18
Select one minor/concentration from this list, other minors require depart	rtment approval.		
Information Technology Minor Chemistry Min	lor		
Software Engineering Minor Applied mathe	matics Minor		
Information Security and Assurance Minor Biology Minor			
Business Information Systems Minor Applied Stats &	& Data Analysis Minor		
Environmental Science Minor Geographical i	nformation Systems Co	oncentration	
INTERDISCIPLINARY MAJOR ELECTIVES or approved	substitution	• • •	6
ACST 3720 Process and Systems Modeling	ACST 3710	3-0-3	
ACST 4320 Data Warehousing and Mining	ACST 3330	3-0-3	
ACST 4550 Mobile Computing with Android	ACST 3530	3-0-3	
ACST 4570 Cloud Computing	ACST 3530	3-0-3	
IS 3/60 Web Development II	IS 3260 & permission	1 3-0-3	
CS 5010 SOIIware Engineering	LS 5410	3-U-3	
EDDE ELECTIVES p	Department Approva	1 3-0-3	26
PROGRAM TOTAL			3-0 120

UNIVERSITY-WIDE DEGREE REQUIREMENTS

See listing of requirements

BA ACS Prerequisite Structure 3/8/16

Major Required Courses: ACS, CS, IS



<u>3-Year Plan of Study FALL Start:</u>	BA Applied Co	omputer Science 2/22/16
CrHours	Spring 1	CrHours

	Fall 1	CrHours
MATH 1113	Precalculus	3 GE
ENGL 1101	Eng. Comp. I	3 GE
IS 2200	Info. Sys. and Comm.	3 LD
ACST 2301	ProbSolv&GameDes	3 LD
FL 1002	Intro. Foreign Lang.	3 GE
Total	Semester Hours	15
_	Fall 2	CrHours
IS 3260	Web Development	3 <i>LD</i>
HIST 1110	Intro. World History	3 GE
Humanities	Hum. or Fine Arts	3 GE
ACST 3510	CompArch & Robot	3 UD
Science	Lab science sequence	4 <i>GE</i>
Total	Semester Hours	16
	Fall 3	CrHours
Minor	Approved Minor	3 <i>MI</i>
HIST 2112	America Since 1890	3 GE
ENG 2110	World Literature	3 GE
FL 2001	Foreign Lang.& Cul.	3 <i>LD</i>
Minor	Approved Minor	3 <i>MI</i>
Total	Semester Hours	15

-	Spring 1	CrHours
MATH 1190	Calculus I	4 GE
ENGL 1102	Eng. Comp. II	3 GE
ECON 1100	Global Economics	3 GE
CS 1301	Prog. Princ. I	4 <i>LD</i>
Free Elective	Free Elective	3 FE
Total S	emester Hours	17
-	Spring 2	CrHours
PSYC 2105	Soc. Iss. Pers. Psyc.	2 GE
IS/CS/CSE	Database Course	3 UD
ACST 3540	Social Media	3 UD
ACST 3530	OpSys&Linux	3 UD
Science	Lab science seq.	4 <i>GE</i>
Total S	emester Hours	15
	Spring 3	CrHours
Minor	Approved Minor	3 <i>MI</i>
POLS 1101	American Govern.	3 GE
Minor	Approved Minor	3 <i>MI</i>
FL 2002	Interm. Forn. Lang.	3 LD
CS 4850	Senior Project	2 UD
Total S	emester Hours	14

-	Summer 1	CrHours
ACST 3150	.Net Programming	4 UD
Minor/Elec	Minor / Free elec	3 <i>MI</i>
MATH 1107	Elementary Stats	3 LD
Total S	emester Hours	10
	Summer 2	CrHours
ACST 3710	Digital Game	3 UD
	Design	
ACST 3330	DS & DB Apps	3 UD
ACST 4xxx	Major Elective	3 <i>ME</i>
Total S	emester Hours	9
	Summer 3	CrHours
ACST 4620	Comp. Security	3 UD
ACST 4xxx	Major Elective	3 <i>ME</i>
Minor	Approved Minor	3 <i>MI</i>
Total S	emester Hours	9

3-Year Plan of Study SPRING Start:			MATH	1113	Preca	
BA Applied (Computer Science 2/2	22/16		ENGL	1101	Eng.
				ECON	100	Globa
				IS	2200	Info. S
				ACST	2301	Prob
					Total	Semes
_	Fall 1	CrHours		_		
IS 3260	Web Development	3 <i>LD</i>		FL	1002	Intro.
ACST 3510	CompArch & Robot	3 UD		IS/CS/	CSE	Datab
Science	Lab science seq.	4 <i>GE</i>		ACST	3540	Socia
MATH 1190	Calculus I	4 <i>GE</i>		ACST	3530	OpSy
ENGL 102	Eng. Comp. II	3 GE		Scienc	e	Lab s
Total S	Semester Hours	17			Total	Semes
	Fall 2	CrHours				

Minor	Approved Minor	3 <i>M</i> I
HIST 110	Intro. World History	3 GE
ENG 2110	World Literature	3 GE
FL 2001	Foreign Lang.& Cul.	3 LD
Minor	Approved Minor	3 <i>M</i> I
Total S	Semester Hours	15
	Fall 3	CrHours
Minor/Elec	Minor / Free elective	3 MI
PSYC 2105	Soc. Iss. Pers. Psyc.	2 GE
	Free Elective	3 FE
CS 850	Senior Project	2 UD
Humanities	Hum. or Fine Arts	3 GE
Total S	Semester Hours	13

	Spring 1	rs
ATH 1113	Precalculus	3 G <i>E</i>
NGL 1101	Eng. Comp. I	3 GE
CON 100	Global Economics	3 GE
2200	Info. Sys. and Comm.	3 <i>LD</i>
CST 2301	ProbSolv&GameDes	3 <i>LD</i>
Total	Semester Hours	15
Spring 2		CrHou
	Spring z	rs
1002	Intro. Foreign Lang.	3 <i>GE</i>
/CS/CSE	Database Course	3 UD
^ST 3540	Coold Madia	ם וו
001 0040	Social Media	3 UD

Spring 1

031 3340		5 00
CST 3530	OpSys&Linux	3 UD
cience	Lab science sequence	4 <i>GE</i>
Total Semester Hours		16
Spring 2		CrHou
Spring S		rs

Spring ?	(
Spring 5	r

CrHou

		13
Minor	Approved Minor	3 <i>MI</i>
POLS 101	American Govern.	3 GE
Minor	Approved Minor	3 <i>M</i> I
FL 2002	Interm. Foreign Lang.	3 <i>LD</i>
HIST 112	America Since 1890	3 GE
Total	Semester Hours	15

	Summer 1	CrHours
ACST 150	.Net Programming	4 UD
MATH 107	Elementary Stats	3 LD
CS 1301	Prog. Princ. I	4 <i>LD</i>
Total S	emester Hours	11
	Summer 2	Cr Hrs
ACST 3710	Digital Game Des	3 UD
ACST 330	DS & DB Apps	3 UD
ACST 4xxx	Major Elective	3 <i>ME</i>
Total S	emester Hours	9

Summer 3	CrHours
0 41111101 0	01110410

ACST 620	Comp. Security	3 UD
ACST 4xxx	Major Elective	3 <i>ME</i>
Minor	Approved Minor	3 <i>MI</i>
Total S	9	

4-Year Plan-of-Study FALL Start: BA Applied Computer Science 2/22/16

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	Fall 1		rs		Spring 1	Но	Jrs
MATH 1113	H 1113 Precalculus		GE	MATH 1190	Calculus I	4	GE
ENGL 1101	1101 Eng. Comp. I		GE	ENGL 1102	Eng. Comp. II	3	GE
FL 1002 I	1002 Intro. Foreign Lang.		GE	ECON 1100	Global Economics	3	GE
ACST 2301	ProbSolv&GameDes	3	LD	CS 1301	Prog. Princ. I	4	LD
IS 2200 I	nfo. Systems & Comm.	3	LD				
Total S	Semester Hours	15		Total	Total Semester Hours		
	Fall 2	Crec Hou	dit rs		Spring 2	Cre Hou	dit Jrs
IS 3260	Web Development I	3	LD	MATH 1107	Elementary Statistics	3	LD
ACST 3150	.Net Programming	4	UD	IS/CS/CSE	Database Course	3	UD
Science	Lab science sequence	4	GE	Science	Lab science sequence	4	GE
FL 2001	Foreign Lang.& Cul.	3	LD	FL 2002	Intermed. Foreign Lang.	3	LD
Humanities	Humanities/Fine Arts	3	GE	ACST 3540	Social Media	3	UD
Total Semester Hours		17	Total Semester Hours				
Totals		Crec	dit	TOTAL SELLESI		Cr≏	dit
	Fall 3	Crea Hou	dit rs		Spring 3	Cre Hou	dit ırs
HIST 1110	Fall 3	Crec Hou	dit rs <i>GE</i>	PSYC 2105	Spring 3 Soc. Iss. Pers. Psyc.	Cre Hou 2	dit ırs <u>GE</u>
HIST 1110 Minor	Fall 3 Intro. World History Approved Minor	Crec Hour 3	dit rs <i>GE</i> <i>MI</i>	PSYC 2105 Minor	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor	Cre Hou 2 3	dit Irs <i>GE</i> <i>MI</i>
HIST 1110 Minor ENG 2110	Fall 3 Intro. World History Approved Minor World Literature	Crec Hou 3 3 3	dit rs <i>GE</i> <i>MI</i> <i>GE</i>	PSYC 2105 Minor Minor	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor	Cre Hou 2 3 3	dit Irs <u>GE</u> <u>MI</u> <u>MI</u>
HIST 1110 Minor ENG 2110 ACST 3510	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot	Crec Hou 3 3 3 3	dit rs <i>GE</i> <i>MI</i> <i>GE</i> <i>UD</i>	PSYC 2105 Minor ACST 3530	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux	Cre Hou 2 3 3 3	dit Jrs <i>GE</i> <i>MI</i> <i>MI</i> <i>UD</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern.	Crec Hou 3 3 3 3 3 3	dit rs <i>GE</i> <i>MI</i> <i>GE</i> <i>UD</i> <i>GE</i>	PSYC 2105 Minor Minor ACST 3530 ACST 3330	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications	Cre Hou 2 3 3 3 3 3	dit Irs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours	Crec Hou 3 3 3 3 3 3 15	dit rs <i>GE</i> <i>MI</i> <i>GE</i> <i>UD</i> <i>GE</i>	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semeste	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours	Cre Hou 3 3 3 3 14	dit Jrs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4	Crea Hou 3 3 3 3 3 3 15 Crea Hou	dit rs <u>GE</u> <u>MI</u> <u>GE</u> UD <u>GE</u> dit rs	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semeste	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4	Cree Hou 2 3 3 3 3 3 14 Cree Hou	dit urs <u>GE</u> <u>MI</u> <u>UD</u> UD UD dit urs
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor	Crec Hou 3 3 3 3 3 3 15 Crec Hou 3	dit rs <u>GE</u> <u>MI</u> <u>GE</u> UD <u>GE</u> dit rs	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semeste	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective	Cree Hou 3 3 3 3 3 14 Cree Hou 3	dit Jrs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i> <i>UD</i> dit Jrs <i>FE</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total s Minor or elect Minor	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor Approved Minor	Crec Hou 3 3 3 3 3 3 3 15 Crec Hou 3 3 3	dit rs <u>GE</u> <u>MI</u> <u>GE</u> dit rs <u>MI</u> <u>MI</u>	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semeste Free Elective Minor	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective Approved Minor	Cree Hou 2 3 3 3 3 3 3 14 Cree Hou 3 3 3	dit Jrs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i> <i>UD</i> <i>UD</i> <i>UD</i> <i>UD</i> <i>UD</i> <i>UD</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S Minor or elect Minor HIST 2112	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor Approved Minor America Since 1890	Crec Hou 3 3 3 3 3 3 3 3 15 Crec Hou 3 3 3 3 3	dit rs GE MI GE UD GE dit rs MI MI GE	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semester Free Elective Minor ACST 4620	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective Approved Minor Comp. Security	Cree Hou 3 3 3 3 3 3 3 14 Cree Hou 3 3 3 3 3	dit Jrs <u>GE</u> <u>MI</u> UD UD dit Jrs <u>FE</u> <u>MI</u> UD
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S Minor or elect Minor HIST 2112 ACST 3710	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor Approved Minor America Since 1890 Digital Game Design	Crec Hou 3 3 3 3 3 3 3 15 Crec Hou 3 3 3 3 3 3 3	dit rs GE MI GE UD GE dit rs MI GE UD	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semester Free Elective Minor ACST 4620 ACST 4XXX	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective Approved Minor Comp. Security Major Elective	Cree Hou 3 3 3 3 3 3 14 Cree Hou 3 3 3 3 3 3 3 3 3	dit Jrs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i> dit Jrs <i>FE</i> <i>MI</i> <i>UD</i> <i>ME</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S Minor or elect Minor HIST 2112 ACST 3710 ACST 4XXX	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor America Since 1890 Digital Game Design Major Elective	Crec Hou 3 3 3 3 3 3 15 Crec Hou 3 3 3 3 3 3 3 3 3	dit rs GE MI GE UD GE dit rs MI MI GE UD ME	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semester Minor ACST 4620 ACST 4XXX CS 4850	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective Approved Minor Comp. Security Major Elective Senior Project	Cree Hou 3 3 3 3 3 3 14 Cree Hou 3 3 3 3 3 2	dit Jrs <i>GE</i> <i>MI</i> <i>UD</i> <i>UD</i> dit Jrs <i>FE</i> <i>MI</i> <i>UD</i> <i>ME</i> <i>UD</i>
HIST 1110 Minor ENG 2110 ACST 3510 POLS 1101 Total S Minor or elect Minor HIST 2112 ACST 3710 ACST 4XXX Total S	Fall 3 Intro. World History Approved Minor World Literature CompArch & Robot American Govern. Semester Hours Fall 4 Approved Minor Approved Minor America Since 1890 Digital Game Design Major Elective Semester Hours	Crec Hou 3 3 3 3 3 3 15 Crec Hou 3 3 3 3 3 3 15	dit rs GE UD GE UD GE dit rs MI MI GE UD ME	PSYC 2105 Minor ACST 3530 ACST 3330 Total Semester Minor ACST 4620 ACST 4850 Total	Spring 3 Soc. Iss. Pers. Psyc. Approved Minor Approved Minor OpSys&Linux DS & DB Applications er Hours Spring 4 Free Elective Approved Minor Comp. Security Major Elective Senior Project Semester Hours	Cree Hou 3 3 3 3 3 3 14 Cree Hou 3 3 3 3 3 2 14	dit Jrs GE MI UD UD UD dit Jrs FE MI UD ME UD

			Spring 1			Credithrs	3			
4-Year Plan-of-Study SPRING Start				MATH 1113 Precalculus			3	GE		
BA Applied CS 2/22/16			ENGL 1101	1101 Eng. Comp. I		3	GE			
			FL 1002	Intro	Intro. Foreign Lang.		GE			
				ACST 2301	ACST 2301 ProbSolv&GameDes			LD		
				IS 2200	Info.	. Systems & Comm.	3	LD		
				Tot	al Sen	nester Hours	15			
	Fall 1	Crit	hrs		Spring 2			Credithrs		
				MATH 1107		Elementary Statistics	3	LD		
T 3150	.Net Programming	4	UD	Science		Lab science seq	4	GE		
nce	Lab science seq.	4	GE	FL 2002	2	Intermed. For. Lang.	3	LD		
2001	Foreign Lang.& Cul.	3	LD	ENGL 1102		Eng. Comp. II	3	GE		
1301	Prog. Princ. I	4	LD	MATH 1190		Calculus I	4	GE		
Total S	Semester Hours	15		Total Semest	er Hou	urs	17			
	Fall 2	Cre	dithr			Spring 3	Crodithr	-		
	T dil Z	S		-		Spring 5	Cleuitins	>		
1110	Intro. World History	3	GE	ECON 1100		Global Economics	3	GE		
S/CSE	Database Course	3	UD	Minor		Approved Minor	3	MI		
r	Approved Minor	3	MI	ACST 353)	OpSys&Linux	3	UD		
T 3510	CompArch & Robot	3	UD	ACST 333)	DS & DB Apps	3	UD		
S 1101	American Govern.	3	GE	ACST 354)	Social Media	3	UD		
Total S	Semester Hours	15		Total Semest	er Hou	urs	15			
	Fall 3	dithr			Spring 4	Credithrs	3			
r	Approved Minor	3	MI	IS 3260		Web Development I	3	LD		
or	Approved Minor	3	MI	Minor		Approved Minor	3	MI		
2112	America Since 1890	3	GE	ACST 462)	Comp. Security	3	UD		
T 3710	Digital Game Design	3	UD	ACST 4XXX		Major Elective	3	ME		
T 4XXX	Major Elective	3	ME	ENG 2110		World Literature	3	GE		
Total Semester Hours 15		Tot	al Sen	nester Hours	15					
Fall 4 Crdhrs										
or or elect	Approved Minor	3	MI							
4850	Senior Project	2	UD							
C 2105	Soc. Iss. Pers. Psyc.	2	GE							
anities	Humanities/Fine Arts	3	GE							
Elective	Free Elective	3	FE							
Total S	Semester Hours	13								

BA ACS Project Offerings

This is a projection of the planned offering of BA-ACS courses. Future semesters are indicated based on whether the year is an even or odd year (i.e. 2016 is an even year). The BA-ACS plans to offer the same courses in both even and odd years, as the table illustrates. Other disciplines in the CCSE will vary between even and odd years.

D=day E=evening O=Online X/Y means X or Y but X preferred									
Course		Fall	Spring	Summer	Fall	Spring	Summer		
Number		Even years	Odd years	Odd years	Odd years	Even years	Even years		
ACST 2301	Required	D/E	D	-	D/E	D	-		
ACST 3150	Required	D/E	-	D	D/E	-	D		
ACST 3330	Required	-	D/O	D/O	-	D/O	D/O		
ACST 3510	Required	D/E	-	-	D/E	-	-		
ACST 3540	Required	-	D,O	-	-	D,O	-		
ACST 3530	Required	-	D,O	-	-	D,O	-		
ACST 3710	Required	D	-	D	D	-	D		
ACST 4620	Required	-	O/D	0	-	O/D	0		
ACST 3720	Elective	As Needed	-	-	-	-	-		
ACST 4320	Elective	-	-	O/D	-	-	O/D		
ACST 4550	Elective	-	O/D	-	-	O/D	-		
ACST 4570	Elective	D	-	-	D	-	-		

