Bachelor of Applied Arts & Sciences
Information Technology/Information Assurance and Security Concentration
2018-2019 Degree Plan

CORE CURRICULUM (See note below)	42 SCH	
	Grd	**SCH**
(010) COMMUNICATION		
ENGL 1301 Composition I		**3**
ENGL 2311 Technical Writing		**3**
(020) MATHEMATICS		
MATH 1342 Introductory Statistics		**3**
(030) LIFE AND PHYSICAL SCIENCES		
Life & Physical Science		**3**
Life & Physical Science		**3**
(040) LANGUAGE, PHILOSOPHY, AND CULTURE		
Language /Philosophy/Culture		**3**
(050) CREATIVE ARTS		
Creative Arts		**3**
(060) AMERICAN HISTORY		
HIST 1301 US History to 1865		**3**
HIST 1302 US History from 1865		**3**
(070) GOVERNMENT/POLITICAL SCIENCE		
GOVT 2305 Federal Government		**3**
GOVT 2306 Texas Government		**3**
(080) SOCIAL AND BEHAVIORAL SCIENCE		
Social & Behavioral Science		**3**
(090) COMPONENT AREA OPTION		
MATH 1314 College Algebra		**3**
Component Option Course from Approved List		**3**

REQUIRED SUPPORT COURSES	12 SCH	
	Grd	**SCH**
CSCI 1336 Programming Fundamentals I		**3**
CSCI 1337 Programming Fundamentals II		**3**
CSCI 1136 Programming Fundamentals I Laboratory		**1**
CSCI 1137 Programming Fundamentals II Laboratory		**1**
UNIV 1101 Jaguar Tracks I		**1**
UNIV 2101 Jaguar Tracks II		**1**
CISA 3101 Jaguar Tracks III Computer Information Sys		**1**
CISA 4101 Jaguar Tracks IV Computer Information Sys		**1**

TECHNICAL/VOCATIONAL CREDITS	18-42 SCH	
En bloc credits must be taken in the field of Information Technology area.	**Grd**	**SCH**

Note about core curriculum courses: Other courses may satisfy core curriculum requirements. Courses listed under the core curriculum above are also specific degree requirements, and are recommended in the core to expedite degree completion.

*IT EMPHASIS AREA	36 SCH	
All courses below must be taken at A&M-SA		
	Grd	**SCH**
BCOM 3304 Business Communication		**3**
CISA 4309 Scripting Language		**3**
CISA 3351 Database Design and SQL		**3**
CISA 3356 Systems Analysis and Design		**3**
CISA 4306 Computer Networks		**3**
CISA 4321 Information Security		**3**
CISA 4358 Senior Project and Seminar		**3**
Information Assurance & Security Electives		
CISA 4325 Network Security		**3**
CISA 4323 Computer Forensics		**3**
CISA 4324 Risk Analysis		**3**
CISA 4326 Security and Operation Practicum		**3**
Upper Division CISA Course		**3**

ELECTIVES		
--As needed to complete 120 credit hours required		
	Grd	**SCH**

TOTALS		
Total General Education Hours (42)		
Support Courses (12)		
En bloc credits (18-42)		
Total Business Emphasis Hours (36)		
Electives		
Total Semester hours:		**120**

- **120 CREDIT HOURS REQUIRED FOR DEGREE**
- **THE 36 UPPER-DIVISION HOURS REQUIRED FOR THIS DEGREE MUST BE COMPLETED AT A&M-SA TO SATISFY RESIDENCY REQUIREMENT**
- **MUST RECEIVE A GRADE OF "C" OR BETTER IN ALL MATH, CSCI, AND CISA COURSES AND THEIR ASSOCIATED PREREQUISITES FOR SATISFACTORY PASSING GRADE. APPLIES TO TRANSFER COURSES ALSO.**
- **ACADEMIC COURSES CANNOT BE COUNTED TOWARDS TECHNICAL/VOCATIONAL CREDITS.**
- **TECHNICAL/VOCATIONAL CREDITS FROM NON-APPROVED COLLEGES REQUIRES DEPT HEAD AND DEAN APPROVAL.**
- **ACADEMIC OR TECHNICAL/VOCATIONAL CREDITS TRANSFERRED AS SUBSTITUTION COURSES MUST BE COMPLETED WITHIN PREVIOUS FIVE YEARS OF ADMISSION TO A&M-SA**