

BACHELOR OF APPLIED ARTS & SCIENCES INFORMATION TECHNOLOGY/INFORMATION ASSURANCE AND SECURITY CONCENTRATION

2019-2020 Degree Plan

CORE CURRICULUM (See note below)	42 SCH	
	Grd	SCH
(010) COMMUNICATION		
ENGL 1301 Composition I		3
ENGL 1302 Composition II or 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		
American History		3
American History		3
(070) GOVERNMENT/POLITICAL SCIENCE		
Government/Political Science		3
Government/Political Science		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		
	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		
	Grd	SCH
<i>En bloc credits must be taken in the field of Information Technology area.</i>		

*IT EMPHASIS AREA	36 SCH	
<i>All courses below must be taken at A&M-SA</i>		
	Grd	SCH
BCOM 3304 Business Communication		3
CISA 2309 Scripting Languages		3
CISA 3351 Database Design and SQL		3
CISA 3356 Systems Analysis and Design		3
CISA 2306 Computer Networks		3
CISA 3321 Information Security		3
CISA 4358 Senior Project and Seminar		3
Information Assurance & Security Electives		
CISA 3325 Network Security		3
CISA 4323 Computer Forensics		3
CISA 4324 Risk Analysis		3
CISA 4326 Security and Operation Practicum		3
Upper Division CISA or CSCI Course		3
ELECTIVES		
<i>--As needed to complete 120 credit hours required</i>		
	Grd	SCH

- **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.
- A MINIMUM AVERAGE GPA OF 2.25 MUST BE MAINTAINED IN ALL CISA & CSCI CORE AND ELECTIVE COURSES TO REMAIN IN PROGRAM. APPLIES TO TRANSFER COURSES ALSO.
- ACADEMIC COURSES CANNOT BE COUNTED TOWARDS TECHNICAL/VOCATIONAL CREDITS.
- TECHNICAL/VOCATIONAL CREDITS FROM NON-APPROVED COLLEGES REQUIRES DEPT CHAIR 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

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.