

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

Requirements

- **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 requirements.
- 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 technical/vocational credits transferred as substitution courses must be completed within previous five years of admission to A&M-SA.

All students must complete the University's Core Curriculum (<https://catalog.tamusa.edu/undergraduate/academic-policies-procedures/core-curriculum/>) and the specific requirements of the major. In some cases, a course that is required for a major may also be counted towards the Core Curriculum.

Code	Title	Credits
Core Curriculum ¹		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
	or ENGL 2311 Technical Writing	
MATH 1342	Introductory Statistics	3
	Life & Physical Science	3
	Life & Physical Science	3
	Language /Philosophy/Culture	3
	Creative Arts	3
	American History	3
	American History	3
	Government/Political Science	3
	Government/Political Science	3
	Social & Behavioral Science	3
MATH 1314	College Algebra	3
	Component Option Course from Approved List	3
	Subtotal:	42

Required Support Courses

CSCI 1336	Programming Fundamentals I	3
CSCI 1337	Programming Fundamentals II	3
CSCI 1136	Programming Fundamentals I Laboratory	1
CSCI 1137	Programming Fndmtls II Lab	1
UNIV 1301	First Year Seminar	3
CISA 4101	Jag Tracks III: Cmptr Info Sys	1
	Subtotal:	12

Technical/Vocational Credits

En bloc credits must be taken in the field of Information Technology18-42 area.

Subtotal: 18-42

IT Empahsis Area

All courses below must be taken at A&M-SA

BCOM 3304	Bus Communication	3
CISA 3309	Scripting Languages	3
CISA 3351	Database Design & 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	Security Risk Analysis	3
CISA 4326	Security & Operation Practicum	3
	Upper Division CISA or CSCI Course	3
	Subtotal:	36

Electives

As needed to complete 120 credit hours required 0-12

Total Credits 120

- 1 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.

Plan of Study

Course	Title	Credits
First Year		
First Semester		
ENGL 1301	Composition I ¹	3
HIST 1301	US History to 1865 ¹	3
	Life & Physical Science ¹	3
MATH 1314	College Algebra ¹	3
	Social & Behavioral Science ¹	3
UNIV 1301	First Year Seminar	3
	Credits	18
Second Semester		
ENGL 1302	Composition II ¹	3
	or ENGL 2311 or Technical Writing	
HIST 1302	US History from 1865 ¹	3
	Life & Physical Science ¹	3
CSCI 1336	Programming Fundamentals I ¹	3

CSCI 1136	Programming Fundamentals I Laboratory ¹	1
Creative Arts ¹		3
	Credits	16

¹ Course may be taken at a community college.

² For transfer students, 40 hours of Major courses + Major electives from A&M-SA are required.

Second Year

First Semester

GOVT 2305	Federal Government ¹	3
MATH 1342	Introductory Statistics ¹	3
CSCI 1337	Programming Fundamentals II ¹	3
CSCI 1137	Programming Fndmtls II Lab ¹	1
Language /Philosophy/Culture ¹		3
	Credits	13

This suggested plan of study is intended to be used as a guide in conjunction with official degree requirements outlined in the catalog. While this plan demonstrates a course of study that covers eight semesters, each student's academic path is unique and your timeline may look different. Students should regularly consult with academic advisors as they plan their course schedules as course offerings may vary.

Second Semester

GOVT 2306	Texas Government ¹	3
Component Option Course from Approved List ¹		3
Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
	Credits	15

Third Year

First Semester

Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
	Credits	15

Second Semester

Technical Vocational Credits ¹		3
Technical Vocational Credits ¹		3
CISA 2306	Computer Networks	3
BCOM 3304	Bus Communication	3
CISA 3309	Scripting Languages	3
	Credits	15

Fourth Year

First Semester

CISA 3356	Systems Analysis and Design	3
CISA 3351	Database Design & SQL	3
CISA 3321	Information Security	3
CISA 3325	Network Security	3
CISA 4101	Jag Tracks III: Cmptr Info Sys	1
	Credits	13

Second Semester

CISA 4326	Security & Operation Practicum	3
CISA 4358	Senior Project and Seminar	3
CISA 4323	Computer Forensics	3
CISA 4324	Security Risk Analysis	3
Upper Division CISA/CSCI Course		3
	Credits	15
	Total Credits	120