



<b>CORE CURRICULUM</b>		<b>42 SCH</b>	
		<b>Grd</b>	<b>SCH</b>
<b>(010) COMMUNICATION- 6hrs.</b>			
***ENGL 1301	Rhetoric and Composition		3
***ENGL 1302	Continuation of Rhetoric & Comp		3
<b>(020) MATHEMATICS- 3 hrs.</b>			
***MATH 1314 or 1324			3
<b>(030) LIFE AND PHYSICAL SCIENCES- 6 hrs.</b>			
Life & Physical Science			3
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<b>(040) LANGUAGE, PHILOSOPHY, AND CULTURE- 3 hrs.</b>			
Lang/Phil/Culture			3
<b>(050) CREATIVE ARTS- 3 hrs.</b>			
Creative Arts			3
<b>(060) AMERICAN HISTORY- 6 hrs.</b>			
HIST 1301	American History		3
HIST 1302	American History		3
<b>(070) GOVERNMENT/POLITICAL SCIENCE- 6 hrs.</b>			
POLS 2301	Govt & Politics of the U.S.		3
POLS 2302	Govt & Politics of Texas		3
<b>(080) SOCIAL &amp; BEHAVIORAL SCIENCE- 3 hrs.</b>			
Social & Behavioral Science	(See Required Support Courses)		3
<b>(090) COMPONENT AREA OPTION- 6hrs.</b>			
COMM 1307, or COMS 1311,1315, 1336, 2374 or ENGL 2374			3
			3
Texas Core Complete? <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>REQUIRED SUPPORT COURSES</b>		<b>24-27 SCH</b>	
		<b>Grd</b>	<b>SCH</b>
PHYS 2325/2125	University Physics I (Meets Life & Physical Science requirement and lab meets 1 hr for component are in Core Curriculum)		3/1
PHYS 2326/2126	University Physics II (Meets Life & Physical Science requirement and lab meets 1 hr for component are in Core Curriculum)		3/1
*MATH 2413	Calculus I (Meets Math Requirement for Core Curriculum and one 1hr for Component are in the Core Curriculum)		3-4
*MATH 2414	Calculus II		3
COSC 1336	Programming Fundamentals I or ITSE		3
1307	Introduction to C++ Programming		
COSC 1337	Programming Fundamentals II		3
COSC 2325	Computer Organization and Machine Language or CISA 4301		3
COSA 4301	Assembly Language		
COSC 2336	Programming Fundamentals III		3

<b>DEPARTMENTAL REQUIREMENTS</b>		<b>9 SCH</b>	
		<b>Grd</b>	<b>SCH</b>
MATH 3370	Discrete Math		3
MATH 3320	Differential Equations		3
MATH 3340, 4303, OR 4374			3
3340: Linear Algebra 4303: Statistical Methods 4374: Numerical Analysis			
<b>MAJOR COURSES</b>		<b>33 SCH</b>	
<b>2.0 GPA required</b>		<b>Grd</b>	<b>SCH</b>
CSCI 3343	Analysis of Algorithms		3
CSCI 4304	Database Management Systems		3
CSCI 4306	Computer Networks		3
CSCI 4315	Computer Graphics		3
**CSCI 4316	Software Engineering I		3
**CSCI 4317	Software Engineering II		3
CSCI 4321	Computer Security		3
CSCI 4344	Computer Architecture		3
CSCI 4362	Operating Systems		3
CSCI 4366	Theory of Programming Languages		3
CSCI 4358	Senior Seminar		3
<b>ELECTIVES</b>		<b>18 SCH</b>	
Upper division courses required (3000/4000 level)		<b>Grd</b>	<b>SCH</b>
Approved Elective			3
Approved Elective			3
Approved CSCI/CISA Elective			3
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Approved CSCI/CISA Elective			3
<b>Total Hours</b>			<b>120+</b>
<b>2.0 GPA required</b>			

**GRADUATION REQUIREMENTS:**

- \* Grade of "C" or better required
- \*\* Taken during last year, in subsequent order
- \*\*\* ENGL/MATH GPA must be 2.0 better
- Major courses must be maintained at 2.0 GPA or better.
- Total A&M-SA GPA must be maintained at a 2.0 or better.
- 120 total credit hours required for degree
- 60 advanced credit hours required for degree
- 30 credit hours from TAMU-SA (residency requirement)

<b>Name:</b>		<b>UIN:</b>	
<b>Phone #:</b>		<b>Email:</b>	
<b>Semester of Entry:</b>		<b>Catalog:</b>	
<b>Advisor, signed:</b>		<b>Date:</b>	

**NOTE:** This unofficial worksheet is intended to serve as a general outline and guide for the student to follow in order to meet degree requirements. It does not constitute a contract, nor does it imply assurance of graduation. It is the student's responsibility to consult their major academic advisor and catalog for any new updates or changes.



**CSCI/CISA Electives:** can include the following courses, permitted course prerequisites have been met. See university catalog for course descriptions and prerequisite order. (CISA 3358 will not count as an elective for CISA majors.)

- 3328. Internship in Computer Information Systems
- 3352. Mobile Application Development
- 3354. COBOL Programming I
- 3355. COBOL Programming II
- 3364. Programming in Visual BASIC
- 3367. Advanced Microcomputer Applications & Systems
- 4301. Microcomputer Assembly Language Programming
- 4302. Business Applications Using C++.
- 4303. Client/Server Application Development
- 4304. Database Systems
- 4305. Java Programming
- 4309. Scripting Languages
- 4311. Project Management
- 4312. Project Risk Management
- 4322. Information Policy Assurance
- 4323. Computer Forensics
- 4324. Security Risk Analysis
- 4325. Network Security
- 4326. Security & Operations Practicum.
- 4331. Enterprise Resource Planning Systems
- 4332. Business Intelligence/Data Mining
- 4333. Supply Chain Integration
- 4334. Business Process Integration
- 4335. ABAP SAP Programming
- 4359. Advanced Problems in Computer Info. Systems

**Approved Electives:** can include courses in the following subjects. See university catalog for course descriptions.

- BCOM 3304
- BLAW 3341
- MGMT 3311
- MKTG 3361
- MGMT 3325

**Senior Year Applications:**

CSCI 4316, CSCI 4317, and CSCI 4391 should all be taken during the student's last year, with the caveat that 4316 and 4317 make a two course sequence that must be taken in Fall (part I) and Spring (part II).

For Spring and Summer grads, take 4316 and 4391 the fall before and 4317 the spring before graduation.

For Fall graduates, take 4316 the year before graduation, 4317 the Spring before graduation, and 4391 the semester they graduate

**Notes from Academic Advisor:**

- Students are required to bring in their degree plan to **every** Advising Session or risk having their session postponed.
- Read undergraduate catalog for specific College of Business and graduation requirements: <http://www.tamusa.edu/provost/universitycatalog.html>
- Read/view College of Business new student information packet/video: <http://www.tamusa.edu/collegeofbusiness/>
- Upon final semester, apply for graduation online: <http://www.tamusa.edu/graduationservices/>
- If concurrently attending another institution, in order to complete lower level coursework, remember to send in updated transcripts at the end of each semester to prevent delay in course registration.
- Official transcripts for all transfer credits must be received before the first day of the graduation semester. Failure to do so may result in the student's degree being awarded in subsequent semester.

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