

ADVISING INFORMATION FORM

(Effective Fall 2022)

B.S. COMPUTER INFORMATION SYSTEMS DEGREE REQUIREMENTS (120 hours)

(Revised 07/06/2022)

Please refer to your Degree Plan for official requirements. Complete this form prior to seeing your advisor.

- Fill in the grade received next to courses you have taken. • Place a T next to courses you are currently taking.
- A grade of C or better is required for all prerequisite courses. • At least 42 hours (36 advanced) must be taken at SFA.
- A Degree Plan must be filed in the Advising Center, Miller Science room 127 after completing 30 hours. cosmadvising@sfasu.edu
- Apply for Graduation eight months before planned graduation date. graduation@sfasu.edu <https://www.sfasu.edu/registrar/630.asp>

Name:	Student ID:	Semester:
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<p>1. Core Curriculum Req. (42 hrs + 2 hrs FnKn (2)) 44 hours</p> <p>A. Communication I. Component Area Option ___/12 hours</p> <p>Preparatory course: ___INRW 0399 (0 credit hour course)</p> <p>1. 6 hrs from: (must have a C or better in each) ___ENGL 1301 or 1303 ___ENGL 1302 (I)</p> <p>2. 3 hrs from: ___SPCH 1315 (recommended), 1318, or 2333</p> <p>3. 3 hrs (I): ___ENGL 2311 (recommended); BUSI 2304; FREN 1311, 1312; GERM 1311, 1312; INCM 1301-1305; PORT 1311, 1312; SGNL 1301, 1302; SPAN 1311, 1312</p> <p>B. Mathematics (3 hrs Core) ___/3 hours</p> <p>Preparatory courses (0 credit hour courses): ___MATH 0398 ___MATH 0199</p> <p>Required courses: ___MATH 1324 or 1314 (Core Requirement)</p> <p>C. Life & Physical Sciences (6 hrs Core + 2 hrs FnKn (2)) ___/8 Hours</p> <p>2 courses from (FnKn (2) - 2 hrs labs): ___ASTR 1303 ___CHEM 1305 ___PHYS 1301 (or ___2325) ___BIOL 1307 ___CHEM 1311 ___PHYS 1302 (or ___2326) ___BIOL 2301 ___CHEM 1312 ___PHYS 1305 ___GEOL 1303 ___PHYS 1307 ___GEOL 1304 ___PHYS 1310</p> <p><small>You must register for the corresponding lab in the same semester that you take the lecture courses that you choose from above. The lab should be numbered the same as the course except that the second digit should be a 1 for one hour as opposed to 3 for three hours. E.G. If you register for BIOL 1307 (lecture), then you must register for BIOL 1107 (lab) in the same semester. Check degree plan for 4 hr lab sci. substitutes.</small></p> <p>D. Language, Philosophy & Culture ___/3 hours</p> <p>3 hrs from: <i>check degree plan for ENGL lit. substitutes</i> ___ENGL LIT ___HIST 2311 ___HIST 2321 ___PHIL 1301 ___HIST 2312 ___HIST 2322 ___PHIL 1304 ___PHIL 2306</p> <p>E. Creative Arts ___/3 hours</p> <p>3 hrs from: ___ARTS 1304 ___DRAM 2366 ___ARTS 1301 ___DANC 2303 ___MUMH 1307 ___ARTS 1303 ___DRAM 1310 ___MUSI 1306</p> <p>F. American History ___/6 hours ___HIST 1301 ___HIST 1302</p> <p>G. Government / Political Science ___/6 hours ___GOVT 2305 ___GOVT 2306</p> <p>H. Social & Behavioral Science: ___/3 hours ___ECON 2301 (ECON 2302 will substitute)</p>	<p>2. Foundation of Knowledge Requirements (FnKn) ___/ 9-10 hours ___MATH 1325 ___CSCI 1462 or MATH 1342 ___CSIT 3340 <i>Plus MATH 1325 and 2 hrs science labs included in Items 1. B. & C.</i></p> <p>3. CISY Major Requirements ___/37 hours</p> <p>___CSCI 1302 ___CSCI 3302 ___CSCI 4325 ___CSCI 2302 ___CSCI 3321 ___CSCI 4260 (2 hrs) ___CSCI 2311 ___CSCI 3323 ___CSCI 4270 (2 hrs) ___CSCI 2314</p> <p>9 hrs from: ___/CSCI_____ 3 hour advanced CSCI not taken above ___/CSCI_____ 3 hour advanced CSCI not taken above ___/CSCI_____ 3 hour advanced CSCI not taken above</p> <p>4. General Business Minor Requirements ___/18 hours <i>(21 hrs: ECON 2301 plus 18 additional hrs from below)</i></p> <p>___ACCT 2301 ___BLAW 3335 ___FINC 3369</p> <p>9 hrs from: ___BUSI 3325 ___FINC 3333 ___MGMT 3370 ___ECON 3339 ___MKTG 3351</p> <p>Electives (___/12 hours + as needed to complete degree requirements)</p> <p>_____ _____ _____</p> <p>Notes</p> <p>_____ _____ _____ _____ _____ _____ _____</p>
<p>A computer information systems major should complete the following courses before enrolling in any upper-level computer science course:</p> <p>CSCI 1302, 2302, 2311 (9 hrs), MATH 1324, 1325 (6 hrs) CSCI 2314 or 3302 (3 hrs), Science (8 hrs), Fresh. ENGL (6 hrs)</p> <p>No student may enroll in most business courses numbered 300 or higher unless 60 hours of coursework will have been completed by the end of the semester for which the student is enrolling.</p>	

B.S. Cisy Course Titles (Prerequisites Shown in Parenthesis)
A grade of C or better is required for all prerequisite and freshman English courses

ACCT 2301 Principles of Financial Accounting
 ARTS 1301 Art Appreciation
 ARTS 1303 Art History I [Prehistoric to the 14th century]
 ARTS 1304 Art History II [14th Century to the present]
 ASTR 1303 Classical & Modern Astronomy
 BIOL 1306 Biology for Science Majors I (TSI Complete %)
 BIOL 1307 Biology for Science Majors II (TSI Complete %)
 BIOL 1308 Biology for Non-Science Majors I
 BIOL 1309 Biology for Non-Science Majors II
 BIOL 1313 General Zoology
 BIOL 2301 Human Anatomy & Physiology I (TSI Complete %)
 BLAW 3335 Business Law (sophomore standing)
 BUSI 3325 Business, Ethics and Society (sophomore standing)
 CHEM 1305 Introductory Chemistry I (Advanced math score #)
 CHEM 1311 General Chemistry I (MATH 1314, 1324, ACT 25, SAT 580, or co-req MATH 2211)
 CHEM 1312 General Chemistry II (CHEM 1311, MATH 1314)

ECON 2301 Principles of Macroeconomics
 ECON 2302 Principles of Microeconomics
 ECON 3339 Applied Statistical Analysis
 (6 hrs of BCIS/CSIT/COSC/CSCI or MGMT 2372; MATH 1342)
 ENGL 1301 Rhetoric & Composition (THEA English pass or INRW 0399)
 ENGL 1302 Research & Argument (ENGL 1301)
 ENGL 2309 LIT: Introduction to Mythology (6 hrs freshman ENGL)
 ENGL 2311 Technical and Scientific Writing (6 hrs freshman ENGL)
 ENGL 2322 LIT: British Literature to 1800 (6 hrs freshman ENGL)
 ENGL 2323 LIT: British Literature from 1800 (6 hrs freshman ENGL)
 ENGL 2327 LIT: American Literature to 1865 (6 hrs freshman ENGL)
 ENGL 2328 LIT: American Literature from 1865 (6 hrs freshman ENGL)
 ENGL 2332 LIT: World Literature to 1650 (6 hrs freshman ENGL)
 ENGL 2333 LIT: World Literature from 1650 (6 hrs freshman ENGL)
 ENGL 2335 LIT: Literary Genres
 ENGL 2341 LIT: Introduction to Literature (6 hrs freshman ENGL)
 FINC 3333 Introduction to Financial Management (ACCT 2301)
 FINC 3369 Personal Finance (junior standing)
 GEOL 1303 Introductory Geology
 GEOL 1304 Historical Geology (GEOL 1303)
 GOVT 2305 Federal Government
 GOVT 2306 Texas Government
 HIST 1301 United States History I [1000-1877]
 HIST 1302 United States History II [1877-present]
 HIST 2311 Western Civilization I [prehistory to 1500]
 HIST 2312 Western Civilization II [since 1500]
 HIST 2321 World Civilizations I [prehistory to 1500]
 HIST 2322 World Civilizations II [since 1500]
 INRW 0399 Integrated Reading and Writing
 MATH 0398 Introductory Algebra
 MATH 0199 Intermediate Algebra
 MATH 1314 College Algebra (Advanced math score #)
 MATH 1316 Plane Trigonometry (Advanced math score #)
 MATH 1318 Plane Analytic Geometry (MATH 1314, MATH 1316)
 MATH 1324 Finite Mathematics (Advanced math score #)
 MATH 1325 Elements of Calculus with Applications for Business (MATH 1314 or 1324)
 MATH 1342 Introduction to Probability & Statistics (Advanced math score #)
 MATH 2211 Pre-calculus A (2 hrs; prereq: math ACT 21 or SAT 500)
 MATH 2212 Pre-calculus B (2 hrs; prereq: math ACT 25 or SAT 600)
 MATH 2313 Calculus I (MATH 1318 or 2211 & 2212 or 2412)
 MATH 2314 Calculus II (MATH 2313)
 MATH 2412 Pre-calculus
 MATH 3325 Computational Linear Algebra (MATH 2313, 2113; CSCI 1302)
 MATH 3340 Probability Modeling (MATH 2314)
 MGMT 3370 Management Principles (sophomore standing)
 MKTG 3351 Principles of Marketing (sophomore standing)
 MUMH 1307 Intro to Music Literature
 MUSI 1306 Music Appreciation
 PHIL 1301 Introduction to Philosophy
 PHIL 2306 Introduction to Ethics
 PHYS 1305 General Physics I
 PHYS 1307 General Physics II
 PHYS 1310 Fundamentals of Electronics
 PHYS 1301 Mechanics & Heat (MATH 1314, MATH 1316; or chair consent)
 PHYS 1302 Electricity, Sound and Light (PHYS 1301)
 PHYS 2325 Technical Physics I (MATH 2313 pre- or co-req)
 PHYS 2326 Technical Physics II (MATH 2313, PHYS 2325)
 SPCH 1315 Public Speaking
 SPCH 1318 Interpersonal Communication
 SPCH 2333 Teamwork and Group Communication
 STAT 3342 Statistical Methods (MATH 1342)

CSCI - Computer Science Courses

CSCI 1302 Computer Science Principles (Advanced math score #)
 CSCI 1462 Introduction to Data Analytics (Advanced math score #)
 CSCI 2302 Computer Programming Principles (CSCI 1302)
 CSCI 2311 Event-Driven Programming (CSCI 1302)
 CSCI 2314 Computer Organization and Architecture (CSCI 2302)
 CSCI 3101 A Contemporary Programming Language [1-3 hrs] (varies with topic)
 CSCI 3185 Internship in Computing [1-3 hrs] (Advanced Standing; CSCI 3323 + 3 adv. hrs.
 CSCI; SFA & CS & Upper-Level CS GPAs 2.5; course supervisor consent)
 CSCI 3302 Data Structures (CSCI 2302, CSCI 2311 recommended)
 CSCI 3321 Client Server Web Programming (CSCI 2302 or CSIT 3351; CSCI 2311)
 CSCI 3323 Software Engineering (CSCI 3302)
 CSCI 3331 Object-Oriented Programming Methods (CSCI 2302, CSCI 2311)
 CSCI 3333 Discrete Structures (CSCI 1302; MATH 1314 or 1324 or 2211 or 2313)
 CSCI 3341 Principles of Operating Systems (CSCI 2314, CSCI 3302)
 CSCI 3342 Algorithm Analysis (CSCI 3302, CSCI 3333)
 CSCI 3362 Data Analytics I (CSCI 1462, CSCI 2302; MATH 3325)
 CSCI 4101 Contemporary Topics in Computer Science [1-3 hrs] (varies with topic)
 CSCI 4111 Ethics in Computer Science (18 hrs [6 adv] CSC; Chair approval)
 CSCI 4260 Senior Design I (CSCI 3323; CSCI 3321 or 3331; Chair approval)
 CSCI 4270 Senior Design II (CSCI 4260)
 CSCI 4321 Applied Operations Research
 (CSCI 3302; MATH 1325 or 2313; CSCI 1462 or MATH 1342)
 CSCI 4325 Database Management Systems (CSCI 3302)
 CSCI 4326 Requirements Engineering and System Modeling (CSCI 3323)
 CSCI 4331 System Simulation and Model Building
 (CSCI 3302; MATH 1325 or 2313; CSCI 1462 or MATH 1342)
 CSCI 4335 Computer Networking (CSCI 3302)
 CSCI 4341 Formal Languages (CSCI 3302; CSCI 3333)
 CSCI 4342 Organization of Programming Languages (CSCI 3302, CSCI 3321 or 3331)
 CSCI 4345 Computer Graphics (CSCI 3323 or 3341 or 3342; MATH 1316)
 CSCI 4347 Cyber Security Concepts and Practices (CSCI 3302)
 CSCI 4362 Data Analytics II (CSCI 3302, CSCI 3362; STAT 3342 or MATH 3340)
 CSCI 4365 Capstone Project in Data Analytics (CSCI 3342, CSCI 4362; Chair approval)
 CSCI 4175 Special Problems [1-3 hrs] (junior standing; Chair approval)

CSIT - Information Technology Courses

CSIT 3340 Application Software for Microcomputers (BCIS 1305 or CSIT 1300 or
 COSC 1301 or CSCI 2302 or CSCI 2311 or MGMT 2372)
 DANC 2303 Dance Appreciation
 DRAM 1310 Theatre Appreciation
 DRAM 2366 Film and Culture

% TSI Complete:

Students must be TSI complete or exempt or have completed all required developmental courses with C's or better. <http://www.sfasu.edu/studentsuccess/264.asp>

Advanced math score:

Required: 2 years High School Algebra; 1 year High School Geometry; TSI complete or exempt
Strong recommendation: ACT 21, SAT 530 or a C or better in MATH 0199

Advising: <http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/student-resources/advising>

Syllabi: <http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/about/faculty-resources>

Course Rotation: <http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/student-resources/advising/course-rotation>