

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

ANTH 2351 Cultural Anthropology	DANC 2303 Dance Appreciation
ARTS 1301 Art Appreciation	DRAM 1310 Theatre Appreciation
ARTS 1303 Art History I [Prehistoric to the 14th century]	DRAM 2366 Film and Culture
ARTS 1304 Art History II [14th Century to the present]	ECON 2301 Principles of Macroeconomics
ASTR 1303 Classical & Modern Astronomy	ECON 2302 Principles of Microeconomics
BIOL 1306 Biology for Science Majors I (TSI Complete %)	ENGL 1301 Rhetoric & Composition (THEA English pass or INRW 0399)
BIOL 1307 Biology for Science Majors II (TSI Complete %)	ENGL 1302 Research & Argument (ENGL 1301)
BIOL 1308 Biology for Non-Science Majors I	ENGL 2309 LIT: Introduction to Mythology (6 hrs freshman ENGL)
BIOL 1309 Biology for Non-Science Majors II	ENGL 2311 Technical and Scientific Writing (6 hrs freshman ENGL)
BIOL 1313 General Zoology	ENGL 2322 LIT: British Literature to 1800 (6 hrs freshman ENGL)
BIOL 2301 Human Anatomy & Physiology I (TSI Complete %)	ENGL 2323 LIT: British Literature from 1800 (6 hrs freshman ENGL)
BLAW 3335 Business Law (sophomore standing)	ENGL 2327 LIT: American Literature to 1865 (6 hrs freshman ENGL)
BUSI 3325 Business, Ethics and Society (sophomore standing)	ENGL 2328 LIT: American Literature from 1865 (6 hrs freshman ENGL)
CHEM 1305 Intro to Chemistry I (Advanced math score #)	ENGL 2332 LIT: World Literature to 1650 (6 hrs freshman ENGL)
CHEM 1311 General Chemistry I (MATH 1314, 1324, ACT 25, SAT 580, or co-req MATH 2211)	ENGL 2333 LIT: World Literature from 1650 (6 hrs freshman ENGL)
CHEM 1312 General Chemistry II (CHEM 1311, MATH 1314)	ENGL 2335 LIT: Literary Genres
	ENGL 2341 LIT: Introduction to Literature (6 hrs freshman ENGL)
CSCI - Computer Science Courses	GEOG 1303 World Regional Geography
CSCI 1302 Computer Science Principles (Advanced math score #)	GEOG 1303 Introductory Geology
CSCI 1462 Introduction to Data Analytics (Advanced math score #)	GEOG 1304 Historical Geology (GEOG 1303)
CSCI 2311 Event-Driven Programming (CSCI 1302)	GOVT 2305 Federal Government
CSCI 3101 * A Contemporary Programming Language (1-3 hrs; prereq: varies with topic)	GOVT 2306 Texas Government
CSCI 3302 * Data Structures (CSCI 2302, CSCI 2311 recommended)	HIST 1301 United States History I [1000-1877]
CSCI 3321 * Client Server Web Programming (CSCI 2302 or CSIT 3351; CSCI 2311)	HIST 1302 United States History II [1877-present]
CSCI 3323 * Software Engineering (CSCI 3302)	HIST 2311 Western Civilization I [prehistory to 1500]
CSCI 3331 * Object-Oriented Programming Methods (CSCI 2302, CSCI 2311)	HIST 2312 Western Civilization II [since 1500]
CSCI 3333 * Discrete Structures (CSCI 1302; MATH 1314 or 1324 or 2211 or 2313)	HIST 2321 World Civilizations I [prehistory to 1500]
CSCI 3341 * Principles of Operating Systems (CSCI 2314, CSCI 3302)	HIST 2322 World Civilizations II [since 1500]
CSCI 3342 * Algorithm Analysis (CSCI 3302, CSCI 3333)	INRW 0399 Integrated Reading and Writing
CSCI 3362 * Data Analytics I (CSCI 1462, CSCI 2302; MATH 3325)	MATH 0398 Introductory Algebra
CSCI 4101 * Contemporary Topics in Computer Science (1-3 hrs; prereq: varies with topic)	MATH 0199 Intermediate Algebra
CSCI 4111 Ethics in Computer Science (18 hrs [6 adv] CSIT/CSCI; Chair approval)	MATH 1314 College Algebra (Advanced math score #)
CSCI 4260 * Senior Design I (CSCI 3323; CSCI 3321 or 3331; Chair approval)	MATH 1316 Plane Trigonometry (Advanced math score #)
CSCI 4270 * Senior Design II (CSCI 4260)	MATH 1318 Plane Analytic Geometry (MATH 1314, MATH 1316)
CSCI 4312 * Computer Science Practicum (18 hrs [6 adv] CSIT/CSCI; Chair approval)	MATH 1324 Finite Mathematics (Advanced math score #)
CSCI 4321 * Applied Operations Research	MATH 1325 Elements of Calculus with Applications for Business (MATH 1314 or 1324)
(CSCI 3302; MATH 1325 or 2313; CSCI 1462 or MATH 1342)	MATH 1342 Introduction to Probability & Statistics (Advanced math score #)
CSCI 4325 * Database Management Systems (CSCI 3302)	MATH 2211 Pre-calculus A (2 hrs; prereq: math ACT 21 or SAT 500)
CSCI 4326 * Requirements Engineering and System Modeling (CSCI 3323)	MATH 2212 Pre-calculus B (2 hrs; prereq: math ACT 25 or SAT 600)
CSCI 4331 * System Simulation and Model Building	MATH 2313 Calculus I (MATH 1318 or 2211 & 2212 or 2412)
(CSCI 3302; MATH 1325 or 2313; CSCI 1462 or MATH 1342)	MATH 2314 Calculus II (MATH 2313)
CSCI 4335 * Computer Networking (CSCI 3302)	MATH 2412 Pre-calculus
CSCI 4341 * Formal Languages (CSCI 3302; CSCI 3333)	MATH 3325 Computational Linear Algebra (MATH 2313, 2113; CSCI 1302)
CSCI 4342 * Organization of Programming Languages (CSCI 3302, CSCI 3321 or CSCI 3331)	MATH 3340 Probability Modeling (MATH 2314)
CSCI 4345 * Computer Graphics (CSCI 3323 or 3341 or 3342; MATH 1316)	MUMH 1307 Intro to Music Literature
CSCI 4347 * Cyber Security Concepts and Practices (CSCI 3302)	MUSI 1306 Music Appreciation
CSCI 4362 * Data Analytics II (CSCI 3302, CSCI 3362; STAT 3342 or MATH 3340)	PHIL 1301 Introduction to Philosophy
CSCI 4365 * Capstone Project in Data Analytics (CSCI 3342, CSCI 4362; Chair approval)	PHIL 2306 Introduction to Ethics
CSCI 4175 * Special Problems [1-3 hrs] (junior standing; Chair approval)	PHYS 1305 General Physics I
	PHYS 1307 General Physics II
CSIT - Information Technology Courses	PHYS 1310 Fundamentals of Electronics
CSIT 1300 Introduction to Problem Solving (Advanced math score #)	PHYS 1301 Mechanics & Heat (MATH 1314, MATH 1316; or chair consent)
CSIT 2301 Introduction to Information Technology (CSIT 1300 and CSCI 1302; or CSCI 2302)	PHYS 1302 Electricity, Sound and Light (PHYS 1301)
CSIT 3340 Application Software for Microcomputers (BCIS 1305 or CSIT 1300 or COSC 1301 or CSCI 2302 or CSCI 2311 or MGMT 2372)	PHYS 2325 Technical Physics I (MATH 2313 pre- or co-req)
CSIT 3350 Internet Technologies (3 hrs CSCI/CSIT)	PHYS 2326 Technical Physics II (MATH 2313, PHYS 2325)
CSIT 3351 Internet Programming Concepts (CSIT 2301 or CSCI 3302; CSCI 2311; CSIT 3350)	PSYC 2301 General Psychology
CSIT 3353 System Administration (CSIT 2301 or CSCI 3302; CSCI 2311)	SOCI 1301 Introduction to Sociology
CSIT 3355 Network Administration (CSIT 3353)	SPCH 1315 Public Speaking
CSIT 3185 Internship in Information Technology [1-3 hrs] (Advanced Standing; CSIT 3351 or 3353; 3 adv. hrs. CSIT; SFA & CS & Upper-Level CS GPAs 2.5; course supervisor consent)	SPCH 1318 Interpersonal Communication
CSIT 4333 IT Project Management (9 adv CSIT)	SPCH 2333 Teamwork and Group Communication
CSIT 4352 Database Application Development (CSIT 3340, CSIT 3351)	STAT 3342 Statistical Methods (MATH 1342)
CSIT 4355 Enterprise Security (CSIT 3355 or CSCI 3321 or 3331)	

% 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/studentssuccess/264.asp>

* Additional advanced CSCI elective courses

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>

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