



Information Support and Services

Course Overview: Encompass entry level, technical, and professional careers related to the design, development and support of hardware, software, multimedia, and systems integration services.

Career Goal (O*NET Code): Database Administrator (15-1061), Help Desk/Call Support (15-1041), Data Tester (15-1081), Data Modeler (15-2031), Security Expert (15-1071).

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:		Curricular Experiences: Business Professionals of America Future Business Leaders of America SkillsUSA Technology Student Association	Extracurricular Experiences: Academic Decathlon Computer Tutor Language Immersion Programs School Newspaper Student Government UIL Academic Competitions Yearbook	
	High School	9th	Core Courses:			English I Algebra I Biology
10th			Core Courses:	English II Geometry Chemistry	World History Languages other than English II	
	11th	Career-Related Electives:	Principles of Information Technology			
12th		Core Courses:	English III Algebra II Physics	United States History		
	12th	Career-Related Electives:	Career Preparation I or Web Technologies or Research in IT Solutions (Information Technology and Security Academy)			
12th		Core Courses:	English IV Statistics Engineering Design and Problem Solving	Government/Economics Fine Arts	COLLEGE CREDIT OPPORTUNITIES -- High School Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.	
	Career-Related Electives:	Career Preparation II or Precalculus or Research in IT Solutions (Information Technology and Security Academy)				
Postsecondary	On-the-Job Training	Desktop Support	Data Processor	Administrative Assistant	Professional Associations: Association for Women in Computing Business Forms Management Association Computer Technology Industry Association Geosciences Information Society Help Desk Institute IEEE Computer Society Institute of Configuration Management National Society of Professional Engineers Texas Board of Professional Engineers	
	Certificates	Microsoft Office Specialist	Oracle Database Associate	OSHA CareerSafe		
Postsecondary	Associate Degrees	Applied Mathematics Business Information and Data Processing Services	Computer and Information Sciences Computer Programming	Data Processing Technology Office Systems Technology	Career Options: Graphics Assistant Microsoft Specialist Database Associate JAVA Programmer Computer Operator Teleprocessing Specialist IT Service Technician Database Analyst	
	Bachelor Degrees	Business Computer Info. Systems Computer Engineering Tech	Computer Information Systems Computer Science Computer Systems Management	Information Systems Technology Management Information Systems Quantitative Methods or Statistics		Career Options: Program System Administrator Project Manager Configuration Wizard Programmer Analyst International Support Engineer
	Graduate Degrees	Computer Information Systems Decision Sciences	Industrial Engineering Information Technology	Operations Research/Management Software Engineering		Career Options: Security Architect Software Analyst Information Scientist Executive Information Officer

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.