



Level 1	1743- Principles of Information
Level 2	1740- Computer Maintenance/Lab
Level 3	1741- Computer Technician Practicum
Level 4	1719- Practicum of Information Technology 1726- Project-Based Research 1752/1753- Career Preparation I/II

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
CompTIA A+	IBM Certified Specialist - InfoSphere Optim for Distributed Systems Fundamentals	Computer and Information Sciences, General	Computer and Information Sciences, General	Computer and Information Sciences, General
CompTIA IT Fundamentals +	IBM Certified Database Associate - DB2 11 Fundamentals for z/OS	Computer and Information Systems Security/ Information Assurance	Computer and Information Systems Security /Information Assurance	Computer Systems Analysis/ Analyst
	HP ASE - ProLiant Server Solutions Integrator V2	Information Technology	Computer Engineering, General	Computer Engineering, General
	Oracle Linux 6 Advanced System Administration	Computer Systems Networking and Tele-communications	Computer Systems Networking and Tele-communications	Information Technology

Occupations	Median Wage	Annual Openings	% Growth
Database Administrator	\$83,075	1,063	19%
Computer Hardware Engineer	\$111,738	343	24%
Computer System Analyst and Support	\$87,568	5,937	29%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Join TSA Job shadow a database administrator or computer hardware engineer	Obtain a Certification



The Information Technology Support and Services program of study explores the occupations and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study may also include analyzing user requirements and problems to automate or improve existing systems and review computer system capabilities. This program of study may also include exploration into the research, design, or testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.



The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Information Technology	13027200 (1 credit)	None	9-10
Computer Maintenance/Lab	13027310 (2 credits)	None	10-12
Computer Technician Practicum	13027500 (2 credits)	None	10-12
Computer Technician Practicum (2nd time)	13027510 (2 credits) 13027515 (3 credits)	PREQ: Computer Technician Practicum	12
Practicum in Information Technology	13028000 (2 credits)	PREQ: A minimum of two high school information technology (IT) courses	12
Project-Based Research	12701500 (1 credit)	None	11-12
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	11-12