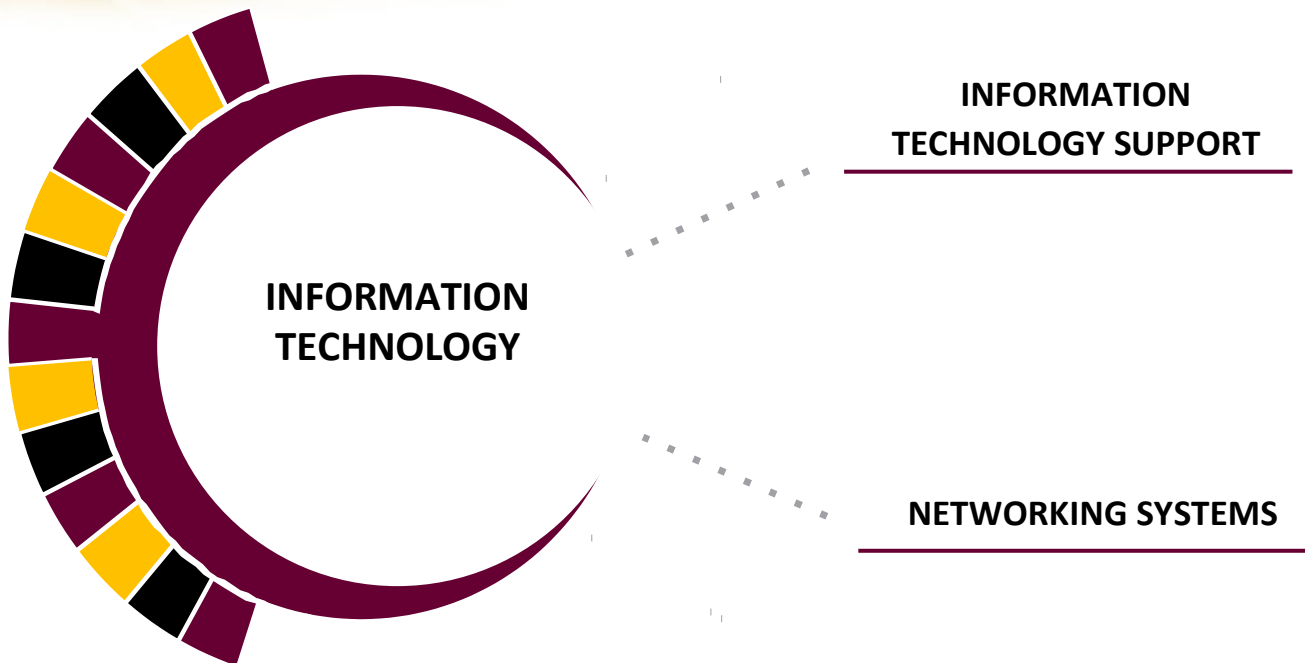


# Business & Industry Endorsement

## CAREER CLUSTER

## PROGRAMS OF STUDY



Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for Perkins V federal accountability reporting.





**COURSES**

- LEVEL 1** Principles of Information Technology

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- LEVEL 2**

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- LEVEL 3** Computer Technician Practicum I

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- LEVEL 4** Computer Technician Practicum II

**POSTSECONDARY OPTIONS**

HIGH SCHOOL/ *INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE	OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
*Microsoft Technology Associate (MTA) Window Operating System Fundamentals	IBM Certified Specialist InfoSphere Option for Distributed Systems fundamentals	Computer and Information Sciences, General			Database Administrators	\$83,075	1,063	19%
*Comp TIA A+ *Comp TIA IT Fundamentals	HP ASE ProLiant Server Solutions Integrator V2	Information Technology	Computer Engineering, General		Computer Hardware Engineers	\$111,738	343	24%
*MTA Intro. to Programming Using Python	Oracle Linus 6 Advanced System Administration	Computer Systems Networking and Telecommunications			Computer System Analysts and Support	\$87,568	5,937	29%
*MTA Intro. to Programming Using HTML & CSS	*MTA Intro. to Programming Using JAVA		Computer Systems Networking and Telecommunications		<b>WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES</b>			
*Certification offered at DISD. Additional industry based certification information is available from the TEA CTE website.					<b>Exploration Activities:</b> Join TSA, BPA Job shadow a database administrator or computer hardware engineer	<b>Work Based Learning Activities:</b> Intern with a Computer Technician Earn certifications		
For more information on postsecondary options for this program of study, visit TXCTE.org, your counselor, or the CTE department at DISD.								

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.

Successful completion of the Information Technology Support and Services program of study will fulfill requirements of the Business and Industry Endorsement – Approved Statewide Programs of Study – September 2019.



# COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ)	GRADE
Principles of Information Technology	13027200 (1 credit)	None	9-10
Computer Technician Practicum I	13027500 (2 credits)	None	10-12
Computer Technician Practicum II	13027510 (2 credits)	<b>PREQ:</b> Computer Technician Practicum I	12

FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER, PLEASE CONTACT:

Laura Torres/Laura.Torres@tea.texas.gov

<https://tea.texas.gov/cte>

<http://www.donnaisd.net/Community/Graduation-Plans>



**COURSES**

- LEVEL 1** Principles of Information Technology

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- LEVEL 2**

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- LEVEL 3** Networking/Lab

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- LEVEL 4** Practicum in Information Technology

**POSTSECONDARY OPTIONS**

HIGH SCHOOL/ *INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE	OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
*Microsoft Technology Associate (MTA) Networking Fundamentals	Cisco Certified Entry Networking Specialist	Computer and Information Sciences, General			Computer Network Architects	\$111,633	1,082	23%
*MTA Security Fundamentals	Oracle Certified Database Associate	Cybersecurity		Information Technology	Computer Systems Analysts	\$87,568	5,937	29%
*Comp TIA Security+	Cisco Certified Entry Networking Technician	Information Technology	Computer and Information Systems Security/Information Assurance		Computer Network Support Specialists	\$68,037	1,824	19%
*MTA Window Operating Systems Fundamentals	*MTA Intro. to Programming Using JAVA	Network and System Administration	Computer Engineering, General		<b>WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES</b> <b>Exploration Activities:</b> Join TSA, BPA <b>Work Based Learning Activities:</b> Intern with a computer Network architect or Support Specialist Earn certifications Job shadow a computer network architect or support specialist			
*Certification offered at DISD. Additional industry based certification information is available from the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org, your counselor, or the CTE department at DISD.								

The Networking Systems program of study explores the occupations and educational opportunities associated with designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. This program of study may also include exploration into analyzing science, engineering, and other data processing problems to implement and improve computer systems.



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.

Successful completion of the Networking Systems program of study will fulfill requirements of the Business and Industry Endorsement – Approved Statewide Programs of Study – September 2019.



# COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ)	GRADE
Principles of Information Technology	13027200 (1 credit)	None	9-10
Networking/Lab	13027410 (2 credits)	None	10-12
Practicum in Information Technology	13028000 (2 credits)	<b>PREQ:</b> Minimum of two IT courses	12

FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER, PLEASE CONTACT:

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