

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Network Administrator and Database Administrator.

- ‡ Shadow a database administrator or computer software or hardware engineer to learn about their day-day responsibilities

Expanded Learning Opportunities

- ‡ Participate in SkillsUSA or TSA
- ‡ Subscribe to industry journals



Example Postsecondary Opportunities

Apprenticeships

- ‡ Coding Apprenticeship

Associate Degrees

- ‡ Computer Science

- ‡ Network and System Administration

- ‡ Computer and Information Systems Security/Auditing/Information Assurance
- ‡ Computer Engineering

- ‡ Information Science/Studies
- ‡ Electrical and Electronics Engineering

Example Aligned Occupations

Computer User Support Specialists

Median Wage \$51,411

Annual Openings: 5,757

10-Year Growth: 21%



Identity Fundamentals

- ‡ CompTIA Network+
- ‡ CompTIA Server+

Data Source: TexasWagesTexas Workforce Commission. Retrieved 3/8/2024.




For more information visit
<https://tea.texas.gov/academics/collegecareerandmilitary-prep/careerandtechnicaleducation/programs-of-study/additional-resources>

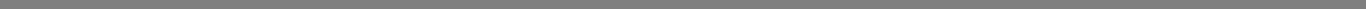
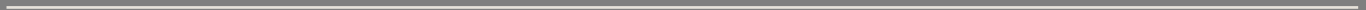
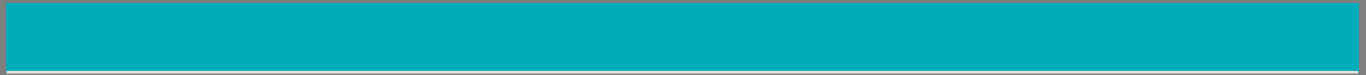
Information Technology Career Cluster

Statewide Program of Study Information Technology Support and Services

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Information Technology* 13027200 (1 credit)	PrerequisitesNone CorequisitesNone Recommended PrerequisitesNone Recommended CorequisitesNone	
Fundamentals of Computer Science* 03580140 (1 credit)	PrerequisitesNone CorequisitesNone Recommended PrerequisitesNone	



Information Technology Career Cluster

Statewide Program of Study: Information Technology Support

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Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
<p>Career and Technical Education Project-Based Capstone*</p> <p>First Time Taken: 12701101 (1 credit)</p>	<p>Prerequisites: None</p> <p>Corequisites: None</p> <p>Recommended Prerequisites: None</p> <p>Recommended Corequisites: None</p>	
<p>Computer Technician Practicum</p> <p>First Time Taken: 13027500 (2 credits)</p> <p>Second Time Taken: 13027510 (2 credits)</p>	<p>Prerequisites: None</p> <p>Corequisites: None</p> <p>Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, Computer Maintenance Lab, Networking, and Networking Lab</p> <p>Recommended Corequisites: None</p>	<p>1. Information Technology</p>
<p>Computer Technician Practicum + Extended Computer Technician Practicum</p> <p>First Time Taken: 13027505 (3 credits)</p> <p>Second Time Taken: 13027515 (3 credits)</p>	<p>Prerequisites: None</p> <p>Corequisites: None</p> <p>Recommended Prerequisites: Principles of Information Technology, Computer Maintenance, Computer Maintenance Lab, Networking, and Networking Lab</p> <p>Recommended Corequisites: None</p>	<p>1. Information Technology</p>

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