

# 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 Database Administrator and Computer Hardware Engineer.

- ‡ 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/additionalresources>

# 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 PrerequisiteNone Recommended CorequisiteNone	
Fundamentals of Computer Science* 03580140 (1 credit)	PrerequisitesNone CorequisitesNone Recommended PrerequisiteNone	



# Information Technology Career Cluster

Statewide Program of Study: Information Technology Support

# Information Technology Career Cluster

## Statewide Program of Study: Information Technology Support and Services

### 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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## Statewide Program of Study: Information Technology Support