



COMPUTER INFORMATION SYSTEMS

Degree

Bachelor of Business Administration in Computer Information Systems

100% Available
ONLINE

93.7% **REPORTED
EMPLOYMENT**
(From 2014-2019)

Is this the major for you? You're the go-to problem solver in your friend group, and you love to use technology to save the day. You can deconstruct any task and rebuild it more efficiently. You're a patient team player, and you often play a key role in team efforts. If this rings a bell, a Computer Information Systems (CIS) major could be your calling.

What skills do you need? As a CIS professional, you will analyze, design, and create software, websites, and mobile apps – which are all elements of an information system. You must keep your finger on the pulse of new technologies while projecting a positive, can-do attitude. A CIS pro strives for mastery of the technical and people skills needed to craft IT/IS solutions that make a difference in our lives.

COMPANIES THAT HIRE OUR GRADUATES

- Atmos Energy
- Bell Helicopter
- Enterprise Rent-A-Car
- United Supermarkets, IT/IS dept.
- Experian
- FedEx
- Fidelity Investments
- Walmart, IT/IS dept.
- Pantex
- Visa
- HP
- CGI
- CSI
- USDA
- Hobby Lobby
- Run Business Solutions
- BSA Healthcare System
- Coca-Cola Refreshments
- Occidental Petroleum Corp.
- Amarillo National Bank
- Happy State Bank

SUCCESS STORIES



Jacqueline Snyder
2017 – B.B.A. – Computer Information Systems

Jacqueline was the president of Buffteks during her time at WT and is now a System Administrator for Peraton in Clearfield, UT.



Jordan Woodard
2016 – B.B.A. – Computer Information Systems

2020 – M.S. – Computer Information Systems & Business Analytics

Jordan worked his way up to a successful IT career from the operations side at FedEx Services Inc. He is currently a Software Engineer (Research and Development) and works remotely from Amarillo, TX.



CAREERS

Programming/Software Engineer

- Software development
- Web-based applications
- Mobile app

Data Science/Business Analyst

- Business intelligence
- Data analysis
- Machine learning and AI

Network/Information Technology

- Design and Installation
- Maintenance and support
- Security

Systems Development

- Analysis and Design
- Building/Coding
- Integration/Testing
- Operations/Maintenance
- Project management

Database Administration

- Development
- Maintenance/support
- Security
- Systems Integration

SELECTED COURSE DESCRIPTIONS

CIDM 2315 – Programming Business Applications

- C#, structural programming
- Object-oriented principles
- Coding to implement business applications

CIDM 3312 – Advance Business Programming

- Web programming: HTML, CSS, C#, ASP.net
- Object-oriented programming
- Front- and Back-end processing

CIDM 3350 – Database Systems Design

- Database design and ERD data modeling
- Database implementation and management
- Information retrieval and SQL
- Normalization

CIDM 4360 – Object-oriented Analysis and Design

- Analysis of information systems needs
- UML modeling
- Software development process
- Design patterns

CIDM 3385 – Network Security and Data Communications

- Enterprise networking architectures
- Cybersecurity and wireless security
- Virtualization and encryption standards
- Policy, legal, and ethical issues

CIDM 4390 – Software Systems Development

- Study of software engineering
- Agile and SCRUM principles
- Model view controller, design patterns
- Test driven development (TDD)

*See Computer Information Systems Degree Checklist for a complete list of required courses

Office of Undergraduate Business Programs

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