COMPUTER SCIENCE, ASSOCIATE OF SCIENCE

Get an Exciting Job in the Tech Industry

The **Associate of Science (AS) in Computer Science** provides graduates with a strong foundation in technology, preparing them for a range of career opportunities and pathways for further education. This degree equips students with the skills and knowledge needed to enter the workforce immediately or to pursue advanced studies, offering flexibility for diverse career goals.

Graduates of the AS program can begin their careers in **entry-level roles** such as web developers, computer support specialists, systems administrators, and programmers. These positions provide valuable hands-on experience and often serve as steppingstones to more advanced opportunities. The demand for tech skills spans various industries, including technology firms, financial services, healthcare, and government agencies, giving graduates the flexibility to explore different sectors.

For those seeking to advance their education, the AS degree is an excellent starting point for pursuing a **bachelor's degree** in computer science or related fields, which can open doors to higher-paying and more specialized roles. Additionally, earning **specialized certifications** in areas like cybersecurity, network administration, or programming languages can further enhance job prospects and allow for career specialization.

With experience and continued education, graduates can move into **advanced roles**, such as software developers, IT project managers, data scientists, and information security analysts. Over time, they may also progress into **leadership positions**, including IT directors or chief information officers (CIOs), where they manage teams and oversee technology strategies.

Highlights of Career and Education Opportunities

- **Immediate Employment:**
  - Entry-level roles: Web developers, computer support specialists, systems administrators, programmers.
  - Diverse industries: Technology, finance, health care, government.
- **Further Education:**
  - Pursue a bachelor's degree for advanced career opportunities.
  - Obtain certifications in cybersecurity, network administration, or programming languages.
- **Career Advancement:**
  - Transition to advanced roles: Software developers, data scientists, IT project managers.
  - Move into leadership: IT directors, CIOs.

An AS in Computer Science is a versatile degree that supports immediate workforce entry while providing a pathway to advanced education and career growth. It enables graduates to thrive in a dynamic and technology-driven job market.

Career Opportunities

- Artificial Intelligence
- Computer Architecture & Engineering
- Database Management Systems
- Graphics Systems
- Human-Computer Interaction
- Operating Systems & Networking
- Programming Systems
- Scientific Computing
- Security

Earning Potential

Software developer (applications) - $126,738[1]

Database administrator - $103,744[1]

Computer hardware engineer - $125,217[1]

Computer systems analyst - $117,787[1]

Web developer - $98,119[1]

Information security analyst - $120,722[1]

Computer programmer - $96,789[1]

Computer and information systems managers - $172,008[1]

[1] Source: texaswages.com, (https://texaswages.com) median salary Gulf Coast region, 2023

Campuses

Central Campus

North Campus

South Campus

San Jac Online