Computer Technologies

The Computer Technologies Department compliments the Great Basin College mission by delivering computer technology education to a diverse, far-flung, and dynamic population. One of the hallmarks of the department is its ability to respond to the current and future needs of the community.

The Computer Technologies Department offers initial training and retraining, job enhancement opportunities, and national certifications in a variety of office technologies. All certificate and degree programs are available online.

Associate Degrees

Computer Programming
The Computer Programming emphasis provides students with a broad knowledge of computer systems and technologies as well as strong problem solving and analysis skills. Upon completion of the Associate of Applied Science (AAS) Degree with an emphasis in Computer Programming, a successful student will have acquired the knowledge and technical skills needed to be employed and productive in the computer technology field in positions such as Software Developer, Database Developer, Applications Programmer, and IT Project Manager.

Network Specialist
Recipients of this degree will be able to create and maintain a computer network, install and configure network services, and maintain availability of network resources to authorized users.

Office Technology
Recipients of this degree will be able to create and maintain a computer network, install and configure network services, and maintain availability of network resources to authorized users.

Graphic Communications
Students earning this degree will be able to design products that convey information, ideas, and feelings using words and images. Examples of these products include logos, posters, web pages, signs, packaging, and promotional items. Students will be able to follow a design process and use software for image creation and editing, illustration, typography, and layout. With this degree, students will be prepared for entry-level work doing graphic design or production art.

Bachelor Degrees

Digital Information Technology
Graduates of the BAS-DIT program will be able to identify, access, organize and process data into useful information through interpretation, synthesis and presentation using appropriate technological platforms. They will understand a broad range of computing concepts within the business environment and be able to apply the latest knowledge, techniques, concepts and tools of computing professionals to solve problems and address the needs of organizations and individual clients. They will demonstrate knowledge of the relationship between many disparate computing, networking and data storage systems using each appropriately based on its strengths and weaknesses. They will also be able to analyze digital information situations with critical thinking and creativity, then communicate that analysis clearly to facilitate suitable solutions.

Land Surveying/Geomatics
Graduates of this program will be able to enter professional employment in Land Surveying/Geomatics in Nevada, and in any region of the nation. They will satisfy the educational need for licensure as a Professional Land Surveyor in Nevada. Graduates will be able to develop competency in the fundamentals and applications of surveying, land management, and the acquisition and management of spatial data. They will develop a sound background in humanities, social sciences, and the arts, to function in multicultural environments. Graduates will learn fundamentals in business management to understand business environments and decision-making processes. This program prepares students to take and pass the Fundamentals of Land Surveying exam developed by the National Council of Examiners for Engineering and Surveying (NCEES).

Graphic Communications
Graduates with a BAS-GRC degree will achieve the outcomes of the BAS program as a whole. Additionally, they will be able to analyze businesses and organizations in order to design and develop logos and identities that are effective and appropriate. They will understand and execute the processes to design, produce, and manage websites for businesses and organizations. They will demonstrate the skills and abilities needed to design and manage production of advertisements for multiple forms of media. Graduates will also design and manage production of collateral materials (e.g., business cards, brochures, newsletters, annual reports, letterhead, envelopes, mailers, promotional materials) for businesses and organizations.

gbcnv.edu 775.753.2177

Great Basin College (GBC) does not discriminate on the basis of race, religion, color, age, sex, sexual orientation, disability, national origin, gender identity or expression, or genetic information. For inquiries, 775.738.8493.
The Computer Technologies Department also offers students the opportunity to earn Certificates of Achievement. The one-year Certificate Program is an abbreviated form of the two-year Associate of Applied Science degree. Many students use the Certificate Program as a stepping stone into an Associate of Applied Science degree path.

**Office Technology**

Students earning a Certificate of Achievement in Office Technology will be able to use word processing, spreadsheets, and databases fluently, and will be familiar with current technology and computer software programs. They will understand bookkeeping and accounting principles.

**Medical Coding and Billing**

Students earning a Certificate of Achievement in Medical Coding and Billing will be able to use medical terms correctly and apply rules of grammar, punctuation, and spelling. They will utilize the skills needed to complete common insurance forms and to solve insurance problems. They will be familiar with CPT, ICD-10 and basic claims processes for medical insurance and third-party reimbursements. They will understand how to manually file claims and how to find services and codes using the CPT, ICD-10, and HCPCS manuals. They will have the skill to trace delinquent claims, appeal denied claims, and use generic forms to streamline billing procedures. They will also have the understanding of the common types of medical insurance and computerized medical billing systems.

**Use Your Degree**

Possible career opportunities.

**Network Specialist AAS**

- Computer Hardware Technician
- Computer Service Engineer
- Help Desk Technician
- Network Administrator
- Network Analysis
- Network Design Specialist
- Network Security Technician
- Technical and Network Support Technician

**Office Technology AAS**

- Bookkeeper
- Clerk
- Data Entry Clerk
- Office Administrator
- Receptionist
- Secretary/Administrative Assistant

**Graphic Communications AAS**

- Production Artist
- Multimedia Artist
- Assistant Art Director
- Assistant Creative Director
- Digital Illustrator
- Digital Photographer
- Graphic Designer
- Web Designer

**Computer Programming AAS**

- Software Developer
- Database Developer
- Applications Programmer
- IT Project Manager

**Graphic Communications BAS**

- Graphic Design Entrepreneur
- Senior Art Director
- Senior Creative Director
- Senior Digital Illustrator
- Senior Digital Photographer
- Senior Graphic Designer
- Senior Multimedia Artist
- Senior Production Artist
- Senior Web Designer

**Land Surveying/Geomatics BAS**

- Advanced Imaging & Mapping Specialist
- Certified Geodesist
- Certified Photogrammetrist
- City Planner
- Computer Aided Drafting Professional
- Flood Plain Manager
- Forester
- Geospatial Analyst
- Surveyors in a variety of state and federal agencies, as well as in private sector industries

**Digital Information Technology BAS**

- Computer Support Specialist
- Computer Systems Analyst
- Network and Computer Systems Administrator

Get Started

Contact Admissions and Records for admission procedures at 775.753.2102 or gbcnv.edu/admissions.

Complete an official application for admission.

Request that your official transcripts be sent to GBC.

Contact the Computer Technologies Department for advisement at 775.753.2177.

BAS applicants are required to complete an additional program application for admittance into the BAS Program. For further information, call 775.753.2120.