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 fluent in word processing, spreadsheets, and databases. They will use basic programming commands, have the knowledge to develop basic web pages, and understand bookkeeping and accounting principles. Students will learn executive and medical office procedures, and develop confidence in their ability to run an office.

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.

Certificates

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

Computer Programming AAS

Software Developer
Database Developer
Applications Programmer
IT Project Manager

Graphic Communications AAS

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

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

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.