

Bachelor of Applied Science

Student Learning Outcomes

Graduates of the BAS degree program will have the knowledge and skills to:

- Understand the social responsibilities of being a member of a professional community and the ethical values which are integral to personal and professional success.
- Identify and access information and be able to interpret, summarize, synthesize and convey this information to others using a variety of technology platforms.
- Understand the key concepts and be able to demonstrate the ability to apply the latest knowledge, techniques, concepts and tools of a profession to solve problems and address the needs of society, organizations and individual clients.
- Demonstrate knowledge of the relationship of professionals to society at large, the role of the professional as part of that society and the ability to analyze how changes in technology will impact the future of their profession and its relationship with society.
- Demonstrate skills and abilities in critical thinking, creativity, communication and analysis to facilitate career progression in their profession.

Accreditation

The program has been approved by the Northwest Commission on Colleges and Universities.

Mission Statement

The mission of the Bachelor of Applied Science is to fulfill and to extend the mission and philosophy of Great Basin College by providing a distinctive baccalaureate degree that builds upon the technical skills and knowledge acquired in attaining an Associate of Applied Science and, in particular cases, an Associate of Science or Associate of Arts degree. In this endeavor, the program is designed to instill abilities and qualities of competence, personal communication, management, and decision making within a broader context than a single vocation. The program will build on the individual's current vocational abilities and provide additional managerial skills within a specific field of emphasis. Those completing the program should then be prepared to competently and efficiently engage their chosen vocational field as either highly trained technicians or effective managers.

Purpose Statement

The purpose of the Bachelor of Applied Science (BAS) Program is to provide a quality and affordable four-year degree to residents of rural Nevada. This degree is particularly suited to accommodate working adults

whose schedules may be limited due to work and time constraints.

Contact Information

Bachelor of Applied Science degree program,
775.753.2363 or 775.753.2217.

About the Program

Greater Accessibility

The program is designed for students who have previously completed an associate's degree at an accredited college or university. There are currently six emphases: Digital Information Technology Emphasis, Human Services Emphasis, Instrumentation, Land Surveying/Geomatics, Management and Supervision Emphasis, and Graphic Communications. These are particularly attractive to employers of the school's service area and provide an avenue of continuing education for all persons with work experience to complete a baccalaureate degree at Great Basin College.

Meets Employer Demand

The program is intended to build on the student's associate degree curricula, work experience, and maturity. It will provide the student with communication and problem solving skills, management and organizational theories and practice, and a broad liberal arts view of the world and workplace. This training is designed to prepare students for employment in demanding management positions, depending on the emphasis a student selects. The focus in the curriculum on the values of lifelong learning and positive human relation skills will be especially beneficial to graduates of this program.

Program Strengths

This degree program addresses many of the widely acknowledged deficiencies of the traditional bachelor's education. It represents a shift away from a narrow-focused, speciality program to a broader approach with courses taught by colleagues from across all disciplines at the College. This strategic adjustment allows our students to experience a broader array of values and attitudes about their field of study and to enlist the alliance of employers within our service area as educational partners and stakeholders in the success of this degree program. We believe these learning partnerships allow Great Basin College to deliver an innovative training program whose graduates are sought out because:

1. GBC's program is more reflective of the ideal bachelor's educational philosophy: a broad liberal arts exposure.
2. The program instills in its graduates professional ethics and leadership skills needed to make critical decisions.
3. The program supplies students with a unifying operational and practical framework for problem

solving; thus, stakeholder value is enhanced and a position of distinctiveness in bachelor's level education in this region is achieved.

GBC's academic approach to the delivery of education will help students become innovative leaders and practitioners in organizations that value continuous renewal of their culture and management approach. This gives our graduates a significant, distinct, comparative advantage in their chosen career fields.

Admission to the Program

Students will be admitted to the program in a Full Admission status when all admission requirements have been completed and accepted by the Program Supervisor and/or Emphasis Advisors. Students who do not maintain good standing, as defined, will be placed on Probationary Status. Students on probationary status are not allowed to continue toward completion of the program until they have removed all restrictions. The manner for reinstatement to good standing will be determined by the Committee on a case-by- case basis.

To be officially admitted to the Bachelor of Applied Science Program, students should do the following.

STEP 1: Inquiries

As soon as practical, applicants should meet with a faculty program advisor to outline a proposed course of study.

STEP 2: Application Process

Students must present evidence of completion of an associate's degree from a regionally accredited college.

Students should submit transcripts indicating an overall grade-point average (GPA) equal to or greater than 2.0, as calculated by Great Basin College formulas. Students should submit a program application to the Admissions and Records Office before completion of 30 credits in the program.

STEP 3: Follow Up

Students have the responsibility to ensure that official transcripts and any other requirements are actually received by the Director of Admissions and Registrar of Great Basin College.

NOTE: Evaluation of the entrance criteria will be made by the Program Supervisor and/or Emphasis Advisors. This processing takes approximately five to six weeks. Students will be notified by a letter from the Program Supervisor upon acceptance/denial.

Pre-admission Information

Some emphases of the program may have their own special admission requirements.

- Completion of an approved electrical program is required before official admission to the Instrumentation program.
- The Management and Supervision emphasis requires an associate's degree in any field, plus a solid foundation in elementary accounting and economics that is evidenced by completion of ACC 201 and either ECON 102 or ECON 103.
- The Graphic Communications emphasis requires an AAS in Computer Technology with a Graphic Communications emphasis for admission, or advisor permission.
- See the Land Surveying/Geomatics emphasis for a list of prerequisites.
- The Digital Information Technology Emphasis requires an associate's degree, and a strong background in computer technology with an emphasis in one of the many computer technology fields, such as networking, information technology, computer office technology, computer programming, GIS, or some other computing field.
- See the Human Services Emphasis for a list of prerequisites.
- Students with a bachelor's degree from a regionally accredited college or university will not be required to take general education courses unless they are listed under the Emphasis Requirements or are needed as prerequisites for more advanced requirements.

Maintaining Good Standing

Students who have been admitted to the Bachelor of Applied Science Program will maintain their status as students in good standing, and be allowed to graduate, if they meet the following requirements:

- Maintain an overall 2.0 cumulative GPA in all GBC courses.
- Maintain a cumulative GPA of 2.0 in all upper-division courses applied to the degree. This includes courses taken at GBC and those transferred from other institutions.
- Refer to specific BAS program emphasis for any variation of requirements .

Total Minimum Credits for BAS.....120
Total Minimum Upper-Division Credits42

Computer Technologies

Bachelor of Applied Science – Digital Information Technology Emphasis

Professional Skills and Career Paths

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

Student Learning Outcomes

Graduates of the BAS Digital Information Technology Emphasis will have the knowledge and skills to

- Identify, access, organize and process data into useful information through interpretation, synthesis and presentation of the information using appropriate technological platforms.
- Apply the latest techniques, concepts and tools of computing professionals to solve problems and address the needs of organizations and individual clients.
- Explain the relationship between various computing, networking and data storage systems.
- Demonstrate skills and abilities to analyze digital information situations then provide that analysis clearly to facilitate a solution.

See page 90 for important additional information about the Bachelor of Applied Science Program.

General Education Requirements (beyond those required for AAS)

COM	101	Oral Communication, or	
THTR	102	Introduction to Stage Voice, or	
THTR	221	Oral Interpretation	3
ENG	333	Professional Communications	3
STAT	152	Principles of Statistics I, or	
MATH	181	Calculus I	3-4
INT	339	Integrative Humanities Seminar.....	3
INT	349	Integrative Social Science Seminar	3
INT	359	Integrative Mathematics Seminar	3
PHIL	311	Professional Ethics (formerly ECON 311).....	3

Total Credits..... 21-22

Applied Science Core Requirements

INT	369	Integrative Science Seminar, or	
PHYS	152	General Physics II or	
PHYS	181	Physics for Scientists and Engineers II	3-4
FIN	310	Applied Accounting and Finance.....	3
MGT	310	Foundations of Management Theory and Practice.....	3
MGT	323	Organizational Behavior and Interpersonal Behavior, or	
MGT	367	Human Resource Management.....	3

Total Credits..... 12-13

Program Emphasis Requirements

Select at least 18 credits from the following:

CIT	361	TCP/IP: Managing Network Resources.....	3
CIT	480	SQL Database Design and Implementation	3
CSCO	480	CCNP Route.....	4
CSCO	482	CCNP Switch	4
CSCO	484	CCNP Troubleshoot	4
GIS	320	GIS in Business and Community.....	3
GRC	365	Web and User Interface Design.....	3
GRC	383	Advanced Multimedia Design: Video and Audio.....	3

Total Credits 24

Program Electives

CIT	303	Intermediate Survey of Computing	3
COT	490	Digital Communications (Capstone)	3
IS	301	Management Information Systems	3

Note: All students graduating from Nevada institutions of higher education must satisfy the U.S. and Nevada Constitutions requirement. Contact your academic advisor for details.

**SUGGESTED 4 YEAR PLAN OF STUDY
BAS—Digital Information Technology
Emphasis**

FALL—1st Semester Credits

CIT 151	3
ENG 100 or 101	3
GRC 103	3
GRC 119	3
MATH 126	3
TOTAL	15

SPRING—2nd Semester Credits

CIT 129	3
CIT 152	3
COT 204	3
ENG 102	3
GRC 188	3
TOTAL	15

FALL—3rd Semester Credits

CIT 180	3
GRC 156	3
HUMAN RELATIONS	3
HUMANITIES/FINE ARTS	3
SCIENCE	3
TOTAL	15

SPRING—4th Semester Credits

CIT 174	3
IS 201	3
PROGRAM ELECTIVES	6
PSC 101	3
TOTAL	15

FALL—5th Semester Credits

CIT 303	3
PHIL 311 (formerly ECON 311)	3
ENG 333	3
MGT 310	3
STAT 152 or MATH 181	3-4
TOTAL	15-16

SPRING—6th Semester Credits

INT 369, PHYS 152, or PHYS 181	3-4
COM 101, THTR 102, or THTR 221	3
GRC 383	3
INT 339, 349 or 359	3
MGT 323 or 367	3
TOTAL	15-16

FALL—7th Semester Credits

CIT 361	3
CIT 480	3
GIS 320	3
GRC 365	3
IS 301	3
TOTAL	15

SPRING—4th Semester Credits

COT 490	3
FIN 310	3
INT 339, 349 or 359	3
INT 339, 349 or 359	3
UPPER-DIVISION ELECTIVE	3
TOTAL	15

Refer to page 81.