

Barstow Community College 2021-2022 CATALOG Addendum

This addendum to the 2021-2022 Barstow Community College Catalog reflects updates and offers new educational opportunities for students. These updates/revisions were approved after the 2021-2022 Catalog was finalized. Although every effort has been made to ensure accuracy of information, all students should consult with a counselor for further information.

TABLE OF CONTENTS

CORRECTIONS – PROGRAMS OF STUDY

2

Associate of Science Degree for Transfer, Business Administration 2.0 (New)

The Associate of Science in Business Administration 2.0 for Transfer degree is intended for students who plan to complete a bachelor's degree in Business Administration at a California State University system. This degree includes lower division coursework that is required for transfer and provides students with solid, foundational insight into the complexities of the contemporary business environment. Coursework in the areas of accounting, business law, and economics will equip students to recognize and analyze business, ethical, and financial issues in order to make informed decisions. Students who transfer to a California State University campus will be able to pursue degrees in areas such as accounting, finance, human resources management, international business, management, operations management, and marketing.

Upon completion of the Associate of Science in Business Administration for Transfer, students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the Associate in Science in Business Administration 2.0 for Transfer will have satisfied the lower division requirements for transfer into Business Administration or similar major for many campuses in the California State University system.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Evaluate the performance business environments and their impact on organizational growth.
- Demonstrate a basic understanding of monetary and legal aspects of the business environment.
- Analyze the functions of businesses and their impact on organizational performance.

Subject	Course Title	Units
<i>Required Core Courses</i>		
ACCT 1	Financial Accounting	3.0
ACCT 4	Managerial Accounting	3.0
BADM 1	Business Law I	3.0
ECON 1	Macroeconomics	3.0
ECON 2	Microeconomics	3.0
MATH 2	Introduction to Statistics	4.0
Subtotal		19.0
<i>Choose one course from the following</i>		
MATH 4D OR	Business Calculus	4.0
MATH 3 AND	College Algebra	4.0
MATH 1	Trigonometry	4.0
Subtotal		4.0 - 8.0
<i>Choose one course from the following</i>		
BADM 6 OR	Business Communications	3.0
BADM 5	Introduction to Business	3.0
Subtotal		3.0
Major Units Required		26.0-30.0
CSU GE Breadth or IGETC General Education Coursework		37.0-39.0
Total Units Required		60.0

Associate of Science Degree, Computer Business Information Systems

This degree is designed to prepare students for the employment market at the entry level in computer and business information technology in all sizes and types of organizations. The program provides a

foundation for those students who plan to complete a four-year program in computer business information systems or related fields of study. The program also provides skills to upgrade current skills to assume greater responsibility in a current employment position. This major prepares students for Information Technology careers in networking, hardware support, cyber security, Internet and Web development, or other emerging technologies.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded an Associates of Science Degree in Computer Business Information Systems.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate the use, knowledge and application of computer and business information technology skills required to assume an entry-level position in all sizes and types of organizations.
- Apply the use, knowledge and application of computer and business information technology skills required to upgrade current skills to assume greater responsibility in a current or new employment position.
- Demonstrate the use and application of computer and business information technology skills required to transfer to a four-year college or university program in Computer Information Systems or related majors in Information Technology.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CBIS 1	Computer Concepts (formerly CSIS 1)	4.0
ADJU 1	Introduction to the Administration of Justice	3.0
ADJU 3	Concepts of Criminal Law	3.0
Subtotal		10
Select 1 Track		
Track 1: Cyber Security Specialist (<i>must complete the following courses</i>)		
CBIS 14	Internet Security (formerly CSIS 14)	4.0
CBIS 15	Information Networking	3.0
CBIS 17	Database Design and Management-Microsoft Access	3.0
Subtotal		10.0
Track 3: Management Information Systems (<i>must complete the following courses</i>)		
CBIS 13	Management of Information Systems	3.0
CBIS 15	Information Networking	3.0
CBIS 17	Database Design and Management-Microsoft Access	3.0
CBIS 19	Systems Analysis and Design	3.0
Subtotal		12.0
Major Units Required		10.0-12.0
General Education Coursework		20.0-39.0
Electives Required		9.0-30.0
Total Units Required		60

Certificate of Achievement, **Cyber Security Specialist**

This certificate is designed to provide students with the knowledge to configure, install, diagnose, and support hardware and software issues and design, analyze, and support computer networks. Completion of this certificate provides opportunities of employment in the information technology industry with an emphasis in computer and cyber security for potential positions as information

security specialists, information security technicians, information assurance technicians, networking security technicians, and cyber security technicians. Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Cyber Security Specialist.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Configure, install, diagnose, and support hardware and software issues and design, analyze, and support computer networks.
- Utilize identifying tools and methodologies that hackers, use to break into a network computer and defend a computer and local area networks against a variety of different types of security attacks using a number of hands-on techniques.
- Apply problem-solving, programming, and application development including the ability to design, test, debug, and implement complex computer programs.
- Read and interpret technical information, as well as communicate with and write clearly for wide ranges of audiences.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CBIS 1	Computer Concepts (formerly CSIS 1)	4.0
ADJU 1	Introduction to Administration of Justice	3.0
CBIS 14	Internet Security (formerly CSIS 14)	4.0
CBIS 15	Information Networking	3.0
CBIS 17	Database Design and Management-Microsoft Access	3.0
	Total Units Required	17.0

Certificate of Achievement, Entrepreneurship and Innovation

This certificate prepares students for entry-level positions in industry and service occupations, such as payroll, accounts receivable, accounts payable, and management.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate the ability to plan, organize, and execute a project or new venture with the goal of bringing new products and service to the market.
- Demonstrate a fundamental comprehension of business opportunity evaluation, from the perspective of a prospective investor.
- Compile and interpret for basic financial statements used by business owners to attract potential investors to finance start-ups and/or expansion of the business.
- Effectively communicate, interpersonally and collaboratively, with basic computer proficiency, including the use of word processing, presentation, and spreadsheet software packages, as well as a basic facility with the internet and other research tools.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BADM 5	Introduction to Business	3.0
CBIS 1	Computer Concepts	4.0
ENTR 1	Entrepreneurial Mindset (formerly BADM 3)	3.0

ENTR 2	Entrepreneurship Basic: Design Thinking and Supply Chain	3.0
ENTR 3	Starting a Business with Limited Resources	3.0
ENTR 4	Money, Finance and Accounting for Entrepreneurs	3.0
	Total Units Required	19.0

Associate of Science Degree, Warehousing and Logistics

The Associate of Science Degree in Warehousing and Logistics is designed for people working in the fields of logistics and/or operations management with a desire to expand their knowledge of the industry. The degree is also applicable for persons with an interest to enter the industry with knowledge that will rapidly lead to expanding responsibilities. Upon completion of the graduation requirements and the required degree courses with at least a "C" grade or better on each course, the student will be awarded an Associate of Science Degree in Warehousing & Logistics.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Develop strategic understanding of logistics and supply chain management and be able to take into account the relationships between this discipline and other areas of business to make holistic judgements when analyzing business solutions.
- Demonstrate critical thinking skills, making the intellectual connection between quantitative and qualitative tools, theories and context to properly and effectively solve problems and make decisions, as well as develop new and innovative business opportunities to strategically navigate the complex demands of the current and dynamic national and international business environments.
- Read, interpret, comprehend and apply the theories of warehousing and logistics and how they relate to the supply chain management.
- Ability to address logistical supply chain management (LCSM) problems in a holistic approach by taking into account general management concepts, human resources, environmental concerns, and qualify, technological and economic aspects.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WARE 51	Introduction to Operations and Supply Chain Management	3.0
WARE 52	Introduction to Warehousing and Distribution	3.0
WARE 54	Material Handling	3.0
WARE 55	Principles of Logistics	3.0
WARE 59	Introduction to Purchasing	3.0
CBIS 1	Computer Concepts	4.0
	Major Units Required	19.0
	General Education Coursework	20.0-39.0
	Electives Required	2.0-21.0
	Total Units Required	60

Certificate of Achievement, Warehousing and Logistics, Level 2

The Certificate of Achievement in Warehousing and Logistics is designed for people working in the fields of logistics and/or operations management with a desire to expand their knowledge of the industry. The certificate is also applicable for persons with an interest to enter the industry with knowledge that will rapidly lead to expanding responsibilities.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Develop strategic understanding of logistics and supply chain management and be able to take into account the relationships between this discipline and other areas of business to make holistic judgements when analyzing business situations.
- Demonstrate critical thinking skills, making the intellectual connection between quantitative and qualitative tools, theories and context to properly and effectively solve problems and make decisions, as well as develop new and innovative business opportunities to strategically navigate the complex demands of the current and dynamic national and international business environments.
- Read, interpret, comprehend and apply the theories of warehousing and logistics and how they relate to the supply chain management.
- Address logistical supply chain management (LCSM) problems in a holistic approach by taking into account general management concepts, human resources, environmental concerns, and qualify, technological and economic aspects.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WARE 51	Introduction to Operations and Supply Chain Management	3.0
WARE 52	Introduction to Warehousing and Distribution	3.0
WARE 54	Material Handling	3.0
WARE 55	Principles of Logistics	3.0
WARE 59	Introduction to Purchasing	3.0
CBIS 1	Computer Concepts	4.0
	Total Units Required	24.0

Associate of Arts Degree, Liberal Arts

The Associate degree in Liberal Arts is designed for students who wish to have a broad knowledge of the liberal arts and sciences plus additional coursework in an Area of Emphasis. Within this major, students who plan on transferring to a university can typically satisfy both their general education requirements as well as many pre-major requirements for transfer. Consult with a counselor for information regarding your intended major and the specific college or university of your choice.

Upon completion of the required courses with at least a "C" or Pass grade or better in each course **and the completion of either the CSU General Breadth or the IGETC general educational pattern**, the student will be awarded an Associates of Arts, Liberal Studies.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Natural Science/Math major.
- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Humanities major.

- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior in a Social and Science major.

Subject	Course Title	Units
Required: Select one track. 18 units in one of the tracks and, within the track, a minimum of two courses in two different disciplines required.		
Track 1: Science and Math		
MATH 1	Trigonometry	4
MATH 2	Introduction to Statistics	4
MATH 3	College Algebra	3
MATH 4A	Calculus I	4
MATH 4B	Calculus II	4
MATH 4C	Calculus III	4
MATH 5	College Math: For Liberal Arts Majors	3
MATH 6	Mathematical Concepts for Educators	3
MATH 9	Differential Equations	3
BIOL 1	Environmental Biology	3
BIOL 2(L)	Concepts in Biology	4
BIOL 4(L)	Human Anatomy	5
BIOL 5(L)	Human Physiology	5
BIOL 8(L)	Microbiology	5
BIOL 20A	Cell and Molecular Biology	4
BIOL 20B	Evolution and Organismal Biology	4
PSYC 11	Human Sexuality (formerly also offered as BIOL 11)	3
OCEA 1	Introduction to the Marine Environment	3
ASTR 1	Introduction to Astronomy	4
CHEM 1A	Introductory Chemistry	4
CHEM 1B	Introductory Organic and Biochemistry	4
CHEM 2A	General Chemistry I	4
CHEM 2B	General Chemistry II	4
CHEM 10	Survey of Chemistry and Physics	4
GEOL 1L	Physical Geology	4
GEOL 4	The Age of Dinosaurs	3
PHSC 2	Introduction to Earth Science	3
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4
PHYS 2B	General Physics II: Electricity and Magnetism	4
Subtotal		18.0
Track 2: Humanities		

ARTS 1	Art History and Appreciation: Prehistory through the Middle Ages	3
ARTS 2	Art History and Appreciation: Early Renaissance to Post Modern	3
ARTS 3	Two-Dimensional Design	3
ARTS 5	Three-Dimensional Design	3
ARTS 7	Drawing and Composition	3
ARTS 10A	Beginning Painting	3
ARTS 10B	Intermediate Painting	3
ARTS 13A	Asian Art History: Early Cultures	3
ARTS 16	Freehand Sketching	3
ARTS 17	Watercolor Painting	3
ARTS 18A	Beginning Ceramics	3
ARTS 18B	Intermediate Ceramics	3
ARTS 18C	Advanced Ceramics	3
ARTS 19	Beginning Sculpture	3
COMM 1	Elements of Public Speaking	3
COMM 2	Oral Interpretation of Literature	3
COMM 3	Interpersonal Communications	3
COMM 4	Argumentation and Debate	3
COMM 5	Introduction to Communication Theory	3
COMM 6	Intercultural Communication	3
ENGL 1A	English Composition and Reading	4
ENGL 1B	Introduction to Literature	3
ENGL 1C	Critical Thinking and Composition	4
ENGL 2	Survey of English Literature to the Romantic Era	3
ENGL 3	Survey of English Literature: Romantic Era to Present	3
ENGL 4	Introduction to Shakespeare	3
ENGL 5	Introduction to Children's Literature	3
ENGL 6	Bible as Literature	3
ENGL 7	Creative Writing	3
ENGL 11	Graphic Novel as Literature	3
ENGL 12	Survey of American Literature to 1865	3
ENGL 12B	Survey of American Literature II 1865-present	3
ENGL 13A	African American Literature	3
HIST 1A	Survey of Western Civilization: The Ancient Near East to 1648	3
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3

HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3
HIST 2B	Survey of US History II: From the End of Reconstruction to the 21 st Century	3
HIST 4	The US in the 20 th Century	3
HIST 5	History of California	3
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300s	3
HIST 8B	Survey of World Civilizations II: From the 1300s to the Present	3
HUMA 1	Humanities Through the Arts	3
HUMA 2	Antiquity to Renaissance	3
HUMA 3	Renaissance to Modern	3
HUMA 4	Survey of Film	3
HUMA 5	Multi-Cultural Mythology	3
MUSI 2	Music Appreciation (Classical)	3
MUSI 3	Music Appreciation (American Music)	3
MUSI 4A	Beginning College Choir	1
MUSI 4B	Intermediate College Choir	1
MUSI 4C	Advanced College Choir I	1
MUSI 4D	Advanced College Choir II	1
MUSI 5A	Beginning Concert Band	1
MUSI 5B	Intermediate Concert Band	1
MUSI 5C	Advanced Concert Band	1
MUSI 5D	Advanced Concert Band II	1
MUSI 6A	Beginning Symphonic Band	1
MUSI 6B	Intermediate Symphonic Band	1
MUSI 6C	Advanced Symphonic Band	1
MUSI 7A	Beginning Jazz Ensemble	1
MUSI 7B	Intermediate Jazz Ensemble	1
MUSI 7C	Advanced Jazz Ensemble	1
MUSI 7D	Masters Jazz Ensemble	1
MUSI 8A	Beginning Chamber Singers	1
MUSI 8B	Intermediate Chamber Singers	1
MUSI 8C	Advanced Chamber Singers I	1
MUSI 8D	Advanced Chamber Singers II	1
MUSI 12A	Beginning Piano I	2
MUSI 12B	Beginning Piano II	1
MUSI 12C	Intermediate Piano	1
MUSI 14	Beginning Guitar I	2

PHIL 1	Introduction to Philosophy	3
PHIL 1C	Critical Thinking	3
PHIL 3	Logic	3
PHIL 4	Ethics	3
PHIL 5	World Religions	3
PHIL 6	Introduction to the Bible	3
PHIL 7	Ancient and Medieval Philosophy	3
PHIL 8	Modern Philosophy	3
PHOT 1C	Introduction to Digital Photography	4
PHOT 2C	Digital Photography	4
PHOT 3C	Studio and Outdoor Lighting in Digital Photography	4
PHOT 4C	Advanced Digital Photography	4
PHOT 9	Introduction to Adobe Photoshop	3
TART 1	Beginning Acting	3
TART 3	Theatre Appreciation	3
TART 4A	Beginning Broadway Voice	1
TART 4B	Intermediate Broadway Voice	1
TART 4C	Advanced Broadway Voice I	1
TART 4D	Advanced Broadway Voice II	1
TART 5A	Beginning Contemporary Theatre Production	1.0-4.0
TART 5B	Intermediate Contemporary Theatre Production	1.0-4.0
TART 5C	Advanced Contemporary Theatre Production I	1.0-4.0
TART 5D	Advanced Contemporary Theatre Production II	1.0-4.0
TART 6	Intermediate Acting	3
TART 13A	Beginning Musical Theatre Production	1.0-4.0
TART 13B	Intermediate Musical Theatre Production	1.0-4.0
TART 13C	Advanced Musical Theatre Production I	1.0-4.0
TART 13D	Advanced Musical Theatre Production II	1.0-4.0
TART 23	Beginning Jazz Dance	1
TART 24	Beginning Modern Dance	1
	Subtotal	18.0
Track 3: Social Science		
ADJU 1	Introduction to the Administration of Justice	3
ADJU 2	Principles and Procedures of the Justice System	3
ADJU 3	Concepts of Criminal Law	3
ADJU 4	Legal Aspects of Evidence	3
ADJU 5	Community Relations of Justice System	3

ADJU 6	Concepts of Enforcement Services	3
ADJU 7	Principles of Investigation	3
ADJU 8	Juvenile Crime and Delinquency	3
ADJU 14	Introduction to Corrections	3
ADJU 15	Legal Aspects of Corrections	3
ADJU 16	Control and Supervision in Corrections	3
ADJU 17	Correctional Interviewing and Counseling	3
ADJU 18	Fundamentals of Probation and Parole	3
ANTH 1	Intro to Cultural Anthropology	3
BADM 1	Business Law I	3
BADM 2	Business Law II	3
BADM 5	Introduction to Business	3
BADM 6	Business Communications	3
BADM 19	Marketing	3
CHLD 11A	Principles & Practices in Early Childhood Education	3
CHLD 12A	Creative Activities for Early Childhood Education	3
CHLD 14	Child Health, Safety and Nutrition	3
CHLD 15	Infants and Toddlers: Care and Education	3
CHLD 15A	Infants and Toddlers: Development	3
CHLD 17	Programs for School-Age Children: Curriculum and Teaching	3
CHLD 17A	Activities for School-Age Children	3
CHLD 19A	Administration I: Programs in Early Childhood Education	3
CHLD 19B	Administration II: Personnel and Leadership in Early Childhood Education	3
CHLD 19C	Adult Supervision and Mentoring in Early Childhood Education	3
CHLD 20	Observation and Assessment	3
CHLD 25	Teaching in a Diverse Society	3
CHLD 30	Child Language Development	3
CHLD 30A	Early Childhood Literacy	3
CHLD 35	Introduction to Children with Special Needs	3
CHLD 35A	Children with Challenging Behaviors	3
CHLD 49	Practicum – Field Experience	4
CHLD 4	Child Growth and Development	3
CHLD 6	Child, Family, Community	3
CHLD 61	Family Daycare Provider	3
CHLD 9	Introduction to Early Childhood Curriculum	3
ECON 1	Macroeconomics	3
ECON 2	Microeconomics	3

ETHN 1	Introduction to Ethnic Studies	3
GEOG 3	World Regional Geography	3
HIST 1A	Survey of Western Civilization: The Ancient Near East to 1648	3
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3
HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3
HIST 2B	Survey of US History II: From the End of Reconstruction to the 21 st Century	3
HIST 4	The US in the 20 th Century	3
HIST 5	History of California	3
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300s	3
HIST 8B	Survey of World Civilizations II: From the 1300s to the Present	3
POLI 1	American Political Institutions	3
POLI 2	Comparative Government	3
POLI 3	Introduction to International Relations	3
PSYC 1	Introduction to Psychology	3
PSYC 11	Human Sexuality	3
PSYC 12	Research Methods in Psychology	3
PSYC 14	Introduction to Drug and Alcohol Studies	3
PSYC 15	Introduction to Guidance and Counseling	3
PSYC 2	Developmental Psychology	3
PSYC 6	Adult Development and Aging	3
SOCI 1	Introduction to Sociology	3
SOCI 10	Introduction to Criminology	3
SOCI 12	Research in Social Sciences	3
SOCI 2	American Social Problems	3
SOCI 20	Introduction to Social Justice	3
SOCI 22	Introduction to LGBTQ Studies	3
SOCI 3	Sociology of Modern Family Life	3
SOCI 7	Introduction to Race and Ethnicity	3
SOCI 9	Sociology of Gender	3
SDEV 5	Career and Life Planning	3
Subtotal		18.0
	Major Units Required	18.0
	General Education Coursework	20.0-39.0

	Electives Required	3.0-22.0
	Total Units Required	60.0