

Barstow Community College 2026-2027 Catalog Addendum

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

Effective Term: Fall 2027

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PROGRAMS OF STUDY

Life Sciences Cluster

Associate of Science Degree for Transfer, Biology 2.0

The Associate of Science in Biology for Transfer prepares students to think like scientists, using concept-based knowledge in biology. The biology professors of BCC are dedicated to teaching biology and preparing future biologists to discover new biological information. As a discipline, biology integrates fundamental science ideas and unifying concepts with the scientific method to expand our understanding of the natural world. We endeavor to provide an academic program that supports student preparation and integration of biological ideas.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

- (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
- (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Develop an appreciation and understanding of evolution and the diversity of life.
- Provide an understanding of the mechanics, application, and limitations of the scientific process.
- Demonstrate the relationships between structure, function, and energy in living systems.
- Enhance written and oral communication skills appropriate to biology.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BIOL 20A	Cell and Molecular Biology	4.0
BIOL 20B	Evolution and Organismal Biology	4.0
CHEM 2A	General Chemistry I	5.0
CHEM 2B	General Chemistry II	5.0
MATH C2210	Calculus I: Early Transcendentals	4.0
MATH C2220	Calculus II: Early Transcendentals	4.0
	Major Units Required	26.0
	Cal-GETC General Education Coursework	34.0
	Transferable Electives Required	10.0
	Total Units Required	60.0

Associate of Arts Degree for Transfer, Kinesiology

The Associate in Arts in Kinesiology for Transfer (AA-T), also called the Kinesiology AA-T Degree, prepares students to transfer to CSU campuses that offer a bachelor's degree in Kinesiology. Ed Code Section 66746-66749 states students earning the Kinesiology AA-T degree will be granted priority for admission as a Kinesiology major to a local CSU, as determined by the CSU campus to which the student applies. Students with a degree in Kinesiology may pursue careers in a variety of health science professions including physical training, physical therapy, fitness instruction, coaching and athletics. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. The Kinesiology AA-T Degree requires a total of 23-25 units in required courses and restricted electives from the categories below as indicated.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an understanding of the scientific, functional, and mechanical processes of the human body.
- Demonstrate competencies as it relates to psychomotor, cognitive, and affective domains relating to kinesiology.
- Examine and evaluate physical activities and their relationships to wellness and fitness.

Subject	Course Title	Units
Required Core Courses		
KINL 1	Introduction to Kinesiology	3.0
BIOL 4	Human Anatomy	5.0
BIOL 5	Human Physiology	5.0
Subtotal		13.0
Movement Based Courses: Choose one course from three separate Areas for a minimum of 3 units		
Area 2: Combatives		
KINA 30A	Beginning Self-Defense and Karate	1.0
KINA 31A	Beginning Cardio Kickboxing	1.0
Subtotal		1.0
Area 4: Fitness		
KINA 3A	Circuit Weight Training-Machines Only	1.0
KINA 4A	Basic Weight Training and Conditioning	1.0
KINA 5A	Cardiovascular Lab	1.0
KINA 6A	Fitness-Walking, Jogging, Running	1.0
Subtotal		1.0
Area 5: Individual Sports		
KINA 21A	Beginning Tennis	1.0
KINA 22A	Beginning Badminton	1.0
KINA 23A	Beginning Golf	1.0
KINA 24A	Beginning Pickleball	1.0
		1.0
Area 6: Team Sports		
KINA 16A	Beginning Volleyball	1.0
KINA 17A	Beginning Basketball	1.0
KINA 18A	Beginning Softball	1.0
Subtotal		1.0
List A: Choose any 2 courses from the following		
CHEM 2A	General Chemistry I	5.0
KINL 23	First Aid and Safety	3.0
STAT C1000	Introduction to Statistics	4.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
Subtotal		7.0-9.0
Units Required in Major		23.0-25.0

	Cal-GETC General Education Coursework	34.0
	Electives Required	8.0–13.0
	Total Units Required	60.0

Associate of Science Degree, Kinesiology, Professional Preparation

The Kinesiology Professional Preparation, AS degree prepares students for career opportunities in the Health Fitness industry. Students with an AS degree in Kinesiology Professional Preparation may pursue careers in a variety of health Fitness professions including personal training, parks and recreation, head and assistant coaching and many others career options. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation to work in the Health and Wellness industry. The Kinesiology Professional Preparation, AS degree requires a total of 24-26 units in required courses from the categories below as indicated.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an understanding of the concepts and principles of Health fitness and specific motor skills; value physical activity and become a lifelong participant in physical activity.
- Formulate a health-enhancing level of physical fitness; and implement the specific activity with an adequate degree of proficiency.
- Interpret orally, and in written form, understanding of the theory and concepts of Kinesiology and their application within the field.

Subject	Course Title	Units
<i>Required Core Courses</i>		
KINL 1	Introduction to Kinesiology	3.0
KINL 2	Movement Anatomy	3.0
KINL 3	Principles of Movement	3.0
KINL 4	Physical Fitness and Wellness	3.0
KINL 5	Principles of Athletic Training	3.0
KINL 6	Foundations of Sport Psychology	3.0
Subtotal		18.0
<i>Choose any course from the following:</i>		
HEAL 2	Nutrition	3.0
Subtotal		3.0
<i>Choose any course from the following (must complete at least 1 unit):</i>		
AHLT 51	First Aid and Personal Safety AND	0.5
AHLT 63	Basic CPR	0.5
KINL 23	First Aid and Safety	3.0
Subtotal		1.0-3.0
<i>Choose two courses from two different areas:</i>		
Area 2: Combatives		
KINA 30A	Beginning Self-Defense and Karate	1.0
KINA 31A	Beginning Cardio Kickboxing	1.0
Area 4: Fitness		
KINA 3A	Circuit Weight Training-Machines Only	1.0
KINA 4A	Basic Weight Training and Conditioning	1.0
KINA 5A	Cardiovascular Lab	1.0
KINA 6A	Fitness-Walking, Jogging, Running	1.0
Area 5: Individual Sports		
KINA 21A	Beginning Tennis	1.0
KINA 22A	Beginning Badminton	1.0
KINA 23A	Beginning Golf	1.0
Area 6: Team Sports		
KINA 16A	Beginning Volleyball	1.0

KINA 17A	Beginning Basketball	1.0
KINA 18A	Beginning Softball	1.0
Subtotal		2.0
	Major Units Required	24.0-26.0
	General Education Coursework	20.0-39.0
	Electives Required	0-16.0
	Total Units Required	60.0

Math & Computer Science Cluster

Associate of Science Degree for Transfer, Physics 2.0

Physics, a natural science, is the scientific study of matter and energy and of the interaction between the two. This Associate Degree for Transfer in Physics (ADT) provides students with an understanding of the physical world, both conceptually and in the language of mathematics. The degree prepares students for pre-professional careers and for curriculum at four year institutions leading to a baccalaureate degree in areas such as physics, astrophysics, geophysics, mathematics, and engineering.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
 - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
 - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate understanding of physical phenomena derived from first principles, articulate conceptual connections between physical laws and their mathematical representations, and apply physics knowledge to analyze and solve real-world problems.
- Develop critical thinking skills to approach complex physical problems systemically, employ multiple physics analytical strategies to develop and evaluate solutions, and demonstrate intellectual rigor and adaptability in their reasoning process.
- Design and conduct physics experiments, collect and analyze experimental data using appropriate quantitative methods, evaluate sources of uncertainty and error, and draw evidence-based conclusions consistent with physical principles.

Subject	Course Title	Units
<i>Required Core Courses</i>		
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
PHYS 2A	General Physics II: Electricity and Magnetism	4.0
PHYS 2C	General Physics III: Optics, Waves, and Modern Physics	4.0
MATH C2210	Calculus I: Early Transcendentals	4.0
MATH C2220	Calculus II: Early Transcendentals	4.0
MATH 4C	Calculus III	4.0
MATH 9	Ordinary Differential Equation	3.0
MATH 10	Introduction to Linear Algebra	3.0
CSIS 33	Programming Concepts & Methodology I Using C++	3.0
	Major Units Required	33.0
	Cal-GETC General Education Coursework	34.0

Ethnic Studies

ETHN 6

3 Unit

Introduction to African American Studies

Course Hours: 54 hours lecture

This course provides an introductory examination of African American culture, history, and heritage in the United States from colonial contact through the 21st Century. This course will include an examination of the transition into the era of African enslavement in Colonial America, an exploration of African American cultural development during the era of Reconstruction, an evaluation of African American political movements in response to social injustice and African American creative production, an analysis of the assimilation of African American culture into broader American culture during the 20th century, and finally, to examine and evaluate the African American community of the 21st Century.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Credit - Degree Applicable

C-ID: None

CSU: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, CSU GE Area D, CSU GE Area F

UC: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, IGETC Area 4, IGETC Area 7

Modality: Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

Offered: Fall, Spring

Counseling

COUN 6

3 Unit

Transfer Planning & Success

Course Hours: 54 hours lecture

This course explores the transfer process for California Community College students through analysis of transfer institutions, university history and policies, and academic planning strategies. Students study and apply the five core components of transfer preparation, including transferable units, general education patterns, major preparation, grade point average requirements, and transfer application procedures. The course also explores transfer pathways within the California State University and University of California systems, as well as private, out-of-state, and other transfer-serving institutions and guides students in developing an individualized transfer plan aligned with their academic and career goals.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Credit - Degree Applicable

C-ID: None

CSU: Transferrable

UC: Transferrable

Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

Offered:

Ethnic Studies

ETHN 1

3 Unit

Introduction to Ethnic Studies

Course Hours: 54 hours lecture

This course provides a multidisciplinary introduction to and analysis of ethnic groups in the United States. Students will apply various theories and perspectives so as to develop a comprehension of the effects of institutional racism, economic and environmental marginalization, and socioeconomic and political discrimination on American ethnic and racial groups. Emphasis on Native, African, Latinx, and Asian American cultural experiences.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Credit - Degree Applicable

C-ID: None

CSU: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, CSU GE Area D, CSU GE Area F

UC: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, IGETC Area 4, IGETC Area 7

Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

Offered: Fall, Spring, Summer

ETHN 5

3 Unit

Introduction to the Latinx Experience

Course Hours: 54 hours lecture

This course surveys the social, political, economic, and cultural development and experience of the various Chicana and Latinx communities in the United States. The survey includes the following groups: Mexican Americans, Puerto Ricans, Cuban Americans, and other Caribbean people, Central and South Americans living in the United States. The course also analyzes the contributions made by the Latin Americans to the economic development of the United States.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Credit - Degree Applicable

C-ID: None

CSU: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, CSU GE Area D, CSU GE Area F

UC: CalGETC 4:Social&BehaviorSci, CalGETC 6:Ethnic Studies, IGETC Area 4, IGETC Area 7

Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous

Offered: Fall, Spring

ETHN 9

3 Unit

Introduction to Native American Studies

Course Hours: 54 hours lecture

This course offers an in-depth exploration of American Indian Studies, blending theoretical approaches and practical methods across disciplines. It provides historical and legal groundwork, highlighting the intellectual foundations of the field. Through readings, guest lectures, and multimedia presentations from American Indian scholars, students will delve into key issues affecting American Indian communities, encompassing social, educational, political, health, and economic aspects. The curriculum emphasizes diverse American Indian perspectives, fostering a comprehensive understanding of the field's epistemology and its applications in both academia and community settings.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Credit - Degree Applicable

C-ID: None

CSU: Transferrable
UC: Transferrable
Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous
Offered:

History

HIST 1A

3 Unit

Survey of Western Civilization I: The Ancient Near East to 1648

Course Hours: 54 hours lecture

This class will cover the emergence of Western Civilization from its roots in the Middle East, its flourishing in Greece and Rome, through Medieval society, to the Renaissance. It is a survey course covering political, economic, social and technological developments and their effect on future generations. There is a focus on major historical personages and important historical problems.

Grading: Audit, Normal, Pass/No Pass
Repeatability: Course not repeatable
Credit: Credit - Degree Applicable
C-ID: HIST 170
CSU: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, CSU GE Area D, CSU GE Area C2
UC: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, IGETC Area 3B, IGETC Area 4
Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio
Offered: Fall

HIST 1B

3 Unit

Survey of Western Civilization II: The Renaissance to the Present Day

Course Hours: 54 hours lecture

This course provides an overview of the political, cultural and philosophical development of western civilization from the Renaissance to the present. It focuses on major historical personages, solutions for and alternatives to historical problems, and how history instructs and inspires future generations.

Grading: Audit, Normal, Pass/No Pass
Repeatability: Course not repeatable
Credit: Credit - Degree Applicable
C-ID: HIST 180
CSU: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, CSU GE Area D, CSU GE Area C2
UC: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, IGETC Area 3B, IGETC Area 4
Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio
Offered: Spring

HIST 8B

3 Unit

Survey of World Civilizations II: From the 1500s to the Present

Course Hours: 54 hours lecture

This course covers world history from the 1500s to the present. There is a comparative approach to the study of specific themes including political, social, and economic change, as well as religious and cultural development. The course will emphasize global trends and developments that

have shaped human history, such as the Age of Exploration, the Protestant Reformation, the era of colonization, wars of independence, the world wars, the Cold War, and the development of Third World countries after World War II and the impact of Globalization.

Grading: Audit, Normal, Pass/No Pass
Repeatability: Course not repeatable
Credit: Credit - Degree Applicable
C-ID: HIST 160
CSU: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, CSU GE Area D, CSU GE Area C2
UC: CalGETC 3B:Humanities, CalGETC 4:Social&BehaviorSci, IGETC Area 3B
Modality: Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio
Offered: Spring

	Transferable Electives Required	0.0
	Total Units Required	6.0