



CONTRA  
COSTA  
COLLEGE

# 2023-24 CATALOG

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## ADDENDUM



# 2023-2024 CATALOG ADDENDUM

*Effective with the start of the 2023/24 catalog year, unless otherwise noted.*

## REVISED 2023-2024 Catalog Sections

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#### CHAPTER FOUR:

#### Changes to Degrees, Certificates and Courses

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**NOTE:** The College does not allow the option of auditing courses.

# CHAPTER 4 CHANGES

## Revised Programs

(Effective Fall 2023)

### Philosophy

**Note Changes:** PHILO-129 added as option in required core course list. PHILO-160 moved from List C options to List B options.

#### Associate in Arts Transfer Degree

#### Philosophy .....18 Units

The Associate in Arts in Philosophy for Transfer (AA-T) degree is designed as a pathway for students who plan to complete a bachelor's degree in philosophy or similar major at a California State University (CSU) campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

Pursuant to SB1440, section 66746, a student must complete the following requirements in order to earn an AA-T in Philosophy:

- Complete 60 semester units that are eligible for transfer to the California State University, including the following:
- The Intersegmental General Education Transfer Curriculum
- (IGETC) or the California State University General Education – Breadth Requirements.
- A minimum of 18 semester units in a major or area of emphasis.
- Obtainment of a minimum grade point average of 2.0.
- Earn a grade of “C” or better in all courses required for the major or area of emphasis.

The AA-T in Philosophy requires a total of 18 major units of required courses and restricted electives from the categories below as indicated. A minimum grade of “C” is required in all courses.

#### Required Core Courses (6 units)

3 units	PHILO-130	Critical Thinking, Logic, and Composition
Or		
3 units	PHILO-129	Introduction to Critical Thinking and Logic
and either		
3 units	PHILO-101	Introduction to Philosophy
or		
3 units	PHILO-120	Introduction to Ethics

#### List A

Select One (3 units)

3 units	PHILO-140	History of Ancient Philosophy
3 units	PHILO-150	History of Modern Philosophy

Or any REQUIRED CORE course not already used

#### List B

Select Two (6 units)

3 units	PHILO-160	Introduction to Social and Political Philosophy
3 units	PHILO-180	Introduction to Philosophy of Religion
3 units	HIST-140	History of Western Civilization to the Renaissance
3 units	HIST-141	History of Western Civilization since the Renaissance

Or any LIST A course not already used

#### List C

Select One (3 units)

3 units      PHILO-200      Environmental Ethics

Or any LIST A or LIST B course not already used

## Revised Courses

### Biological Science (BIOSC)

**Note Changes:** Increase laboratory hours to 81 hours.

Increase units to 4.5 units. Add ENGL-001AX as advisory option.

#### BIOSC-145 Organismal Biology

4.5 Units: 54 hours of lecture, 81 hours of laboratory, per term, LR, DG, CSU, UC (C-ID: BIOL 140; C-ID: BIOL 135S)

**Prerequisite:** BIOSC-172L or BIOSC-106 and completion of Intermediate Algebra or appropriate placement based on AB705 mandates.

**Advisory:** Eligible for ENGL-001A or ENGL-001AX

This course, intended for biology majors, is an introduction to evolution and natural selection, population genetics, plant development, form and function in animals, and plants and ecological principles. It includes a survey of the basic biology and diversity of unicellular and multicellular organisms. It emphasizes general biological principles, classification, structure, function, and evolutionary adaptations of organisms (including plants, fungi, animals, and unicellular organisms) to their environments.

**Note Changes:** Increase laboratory hours to 81 hours. Increase units to 4.5 units. Add ENGL-001AX as advisory option

#### BIOSC-147 Cell and Molecular Biology

4.5 units: 54 hours of lecture, 81 hours of laboratory, per term, LR, DG, CSU, UC (C-ID: BIOL 190; C-ID: BIOL 135S)

**Prerequisite:** CHEM-120 with a minimum grade of C (may be taken concurrently) and BIOSC-106 or BIOSC-172L and completion of Intermediate Algebra or appropriate placement based on AB705 mandates.

**Advisory:** Eligibility for ENGL-001A or ENGL-001AX

This course, intended for majors, will cover principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, molecular genetics, classical/Mendelian genetics, cell metabolism including photosynthesis and respiration, and cellular communication. The philosophy of science, methods of scientific inquiry and experimental design are foundational to the course. In the laboratory portion of the course, students will apply techniques and experimental skills commonly used in biotechnology and molecular biology laboratories.

*- continuation of Revised Courses***Engineering (ENGIN)**

**Note Changes:** Add prerequisite MATH-290 (may be taken concurrently)

**ENGIN-255 Statics**

3 Units: 54 hours of lecture, per term, LR, DG, CSU, UC

**Prerequisite:** PHYS-130 and MATH-290 (MATH-290 may be taken concurrently)

This course presents a study of force systems and their effect on objects in equilibrium, with emphasis on engineering problems covering structure, machine design and friction. Graphic and mathematical solutions to problems will be explored.

**Mathematics (MATH)**

**Note Changes:** Remove corequisite option MATH-171S.

**MATH-171 Precalculus**

5 Units: 90 hours of lecture, 18 hours of laboratory, per term, LR, DG, CSU, UC

**Prerequisite:** MATH-121 or equivalent, or placement by multiple measures

This course presents the elements of coordinate geometry: algebraic and transcendental functions, including polynomial, rational, exponential, logarithmic, trigonometric, and other algebraic functions; inverse functions; and curve sketching.

**Note Changes:** Remove corequisite option MATH-180S.

**MATH-180 Applied Calculus**

4 Units: 72 hours of lecture, 18 hours of laboratory, per term, LR, DG, CSU, UC (C-ID: MATH 140)

**Prerequisite:** Intermediate algebra or equivalent, or placement by Multiple Measures.

This course presents a study of the techniques of calculus with emphasis placed on the application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied.

**DEACTIVATED COURSES**

MATH-102 Math Skills Laboratory

MATH-125 Algebra for Statistics

**NEW ARTICULATION**

(Effective Fall 2023)

IGETC Area 3A: ART-113, ART-114, ART-115

IGETC Area 3B: HUMAN-130

IGETC Area 4: ECHD-121

IGETC Area 7: LARAZ-110, LARAZ-130, LARAZ-190

CSU GE Area A3: PHILO-129

CSU GE Area C1: ART-113, ART-114, ART-115

CSU GE Area C2: HUMAN-130

UC Electives: ART-108, ART-147, DRAMA-130, MUSIC-141

UC Admissions Humanities area requirements: ART-108