Diablo Valley College Mission Statement

We inspire, educate, and empower students to transform their lives and their communities. We guide students to achieve their goals by awarding degrees and certificates, preparing them for transfer to four-year colleges and universities, facilitating entrance to and advancement in careers, and fostering personal growth.
# Table of contents

## 2022-2023 catalog sections

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Changes to</th>
</tr>
</thead>
<tbody>
<tr>
<td>one</td>
<td>GENERAL INFORMATION</td>
</tr>
<tr>
<td>two</td>
<td>COLLEGE POLICIES</td>
</tr>
<tr>
<td>three</td>
<td>TRANSFER, DEGREES, AND CERTIFICATES</td>
</tr>
<tr>
<td>four</td>
<td>PROGRAM AND COURSE DESCRIPTIONS</td>
</tr>
<tr>
<td></td>
<td>Course changes</td>
</tr>
<tr>
<td></td>
<td>Limitations on enrollment changes</td>
</tr>
<tr>
<td></td>
<td>Degree changes</td>
</tr>
<tr>
<td></td>
<td>Certificate changes</td>
</tr>
<tr>
<td></td>
<td>New certificates</td>
</tr>
</tbody>
</table>
Program and Course Descriptions

Chapter Four

Catalog 2022-2023

NOTE: ALL INFORMATION IN THIS ADDENDUM IS EFFECTIVE FALL 2022 UNLESS OTHERWISE NOTED.

Course Changes

Underline = addition

Biological Science - BIOSC

BIOSC-170 Environmental Science
3 units SC
- IGETC: 5B; CSU GE: B2; DVC GE: II
- 54 hours lecture per term
- Advisory: College-level reading and writing are expected. BIOSC-101 or 102 or equivalents
- Note: Students who have successfully completed BIOSC171 should not enroll in BIOSC-170. Students who have successfully completed BIOSC-171 will not receive credit for BIOSC-170.

This is an introductory course designed to expose students to environmental science. Human interactions with the environment and their consequences for living and nonliving systems will be examined. Topics will include evolution, ecology, biodiversity, human population dynamics, natural resource use, pollution, environmental degradation, climate change, marine and freshwater resources, and environmental policy. C-ID ENVS 100, CSU, UC (credit limits may apply to UC - see counselor)

Engineering - ENGIN

ENGIN-135 Programming for Scientists and Engineers
4 units LR
- 54 hours lecture/54 hours laboratory per term
- Prerequisite: MATH-192 (may be taken concurrently) or equivalent
- Advisory: College-level reading and writing are expected.

This course presents an introduction to programming in C/C++ for engineers and scientists. Topics include flowcharts, algorithm design principles, algebraic operations, decision making, loops, records, data structures, file input output operations and linked lists. Students will apply programming principles of numerical methods in science and engineering. C-ID ENGR 120, CSU, UC

Music - MUSIC

MUSIC-135 Vocal Jazz Ensemble
1 unit SC
- May be repeated three times
- 72 hours laboratory per term
- Limitations on Enrollment: Audition required. Specific days and times are announced in the Schedule of Classes.

This course focuses on the study, rehearsal, and public performance of standard vocal jazz ensemble literature for mixed voices. New literature will be studied each semester to address a variety of technical and artistic issues. C-ID MUS 180, MUS 185, CSU, UC

MUSIC-252 Piano Ensemble
1 unit SC
- May be repeated three times
- 72 hours laboratory per term
- Limitation on Enrollment: Audition required. Specific days and times are announced in the Schedule of Classes.

This course focuses on the study, rehearsal, and public performance of literature for piano ensemble (piano 4-hands, piano 8-hands, chamber music with piano, instrumental sonatas, voice and piano) with an emphasis on the development of skills needed to perform within a piano ensemble. Different literature will be studied each semester so that different technical and artistic issues are addressed. Pianists, instrumentalists, and vocalists are encouraged to audition. C-ID MUS 185, CSU, UC
## LIMITATIONS ON ENROLLMENT CHANGES

### MUSIC - MUSIC

Janette Funaro, Dean  
Arts and Communication Division  
Art Complex, 156

**Limitations on enrollment**  
Effective fall term 2013, changes to the regulations that govern community college enrollments placed limitations on the number of courses that students may take in certain disciplines within the Contra Costa Community College District. The charts below indicate which Diablo Valley College (DVC) courses are assigned to groups of courses ("families") for which limitations have been imposed. Certain courses within certain “families” may be repeated (see catalog description), however, students are limited to four experiences within the family. Certain DVC courses are equivalent to courses at Los Medanos College and Contra Costa College. An enrollment in an equivalent course at one of those colleges will count toward the allowable four enrollments within the family.

NOTE: Diablo Valley College may offer experimental or topics courses. When appropriate, based on content, such courses will be assigned to a “family” and that enrollment will be counted as an experience within the “family”.

<table>
<thead>
<tr>
<th>Family:</th>
<th>Class classical guitar</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSIC-101</td>
<td>Beginning Guitar</td>
</tr>
<tr>
<td>MUSIC-102</td>
<td>Intermediate Guitar</td>
</tr>
<tr>
<td>MUSIC-160</td>
<td>Beginning Guitar I</td>
</tr>
<tr>
<td>MUSIC-161</td>
<td>Beginning Guitar II</td>
</tr>
<tr>
<td>MUSIC-262</td>
<td>Intermediate Guitar I</td>
</tr>
<tr>
<td>MUSIC-263</td>
<td>Intermediate Guitar II</td>
</tr>
</tbody>
</table>

## DEGREE CHANGES

### DRAMA – DRAMA

Janette Funaro, Dean  
Arts and Communication Division  
Business and Foreign Language Building, 202

**Associate in arts degree – Drama**

Students completing the program (acting emphasis) will be able to...

A. analyze the important impact of historical and current acting training techniques in the American theater.

B. demonstrate professional acting techniques and character development.

C. analyze the sociological, political, and economic factors that have impacted American theater throughout history.

D. demonstrate correct audition techniques for stage.

Students completing the program (musical theater emphasis) will be able to...

A. recognize the importance of musical theater in the history and tradition of American Theater.

B. demonstrate advanced musicality with a variety of vocal techniques.

C. analyze the sociological, political and economic factors that have impacted musical theater throughout history.

D. demonstrate the ability to integrate singing, dancing, and acting in the context of a musical theater scene, song, or production.

E. demonstrate professional musical theater audition skills.

The associate of art degree in drama is a two-year course of study that prepares students for transfer to four-year drama programs and professional training schools, as well as entry level opportunities in community and professional theater. To prepare students for this competitive field, the associate of art degree in drama offers students two areas of specialization from which to choose: Acting or Musical Theater. Intensive, hands-on experience is gained through course work and supporting drama productions presented in the Performing Arts Center and the Arena Theater.

Completion of a B.A. or B.F.A. in theater arts can lead to professional careers in acting, musical theater, technical theater, directing, and design.

Students completing the associate of art degree in drama will be well prepared for both the competitive process of gaining entrance into an advanced course of study in drama at a four year or professional training school, and successfully working as an actor.

Students who intend to transfer to a four-year program are advised to select General Education Option 2 (IGETC) or Option 3 (CSU GE).
To earn this degree, students must complete the core major requirements as indicated and select an area of specialization. Students must complete each course used to meet a major requirement with a “C” grade or higher and complete general education requirements as listed in the catalog.

**major requires:**

- **DRAMA-122** Beginning Principles of Acting .............................................. 3
- **DRAMA-123** Intermediate Principles of Acting ......................................... 3
- **DRAMA-200** Introduction to Technical Theater ......................................... 3
- **DRAMA-201** Technical Theater Laboratory ................................................. 1

**plus at least 3 units from:**

- **DRAMA-139** Introduction to Theater ......................................................... 3
- **DRAMA-142** Multicultural Perspectives in American Theater .................. 3

**acting emphasis**

**required course:**

- **DRAMA-127** Auditioning Techniques ...................................................... 3

**plus at least 6 units from:**

- **COMM-124** Voice and Diction ................................................................. 3
- **DRAMA-114** Script Analysis ................................................................. 3
- **DRAMA-124** Advanced Principles of Acting .............................................. 6
- **DRAMA-125** Advanced Styles in Scene Study: From Shakespeare to Shaw .. 6
- **DRAMA-126** Auditioning and Preparation for the Camera ......................... 3
- **DRAMA-130** Principles of Directing ....................................................... 3
- **DRAMA-150** Children's Theater ........................................................... 3

**plus at least 2 units from:**

- **DRAMA-202** Stage Production-Technical Theater ................................ 1-2
- **DRAMA-270** Stage Production ............................................................... 1-2

**total units for major** 24

**musical theater emphasis**

**required courses:**

- **DRAMA-170** Introduction to Musical Theater ........................................... 3
- **DRAMA-171** Musical Theater II ............................................................ 3

**plus at least 3 units from:**

- **COMM-124** Voice and Diction ................................................................. 3
- **DANCE-160A** Tap Dance 1 ........................................................................ 1
- **DANCE-162A** Broadway Dance I .............................................................. 1
- **DRAMA-150** Children's Theater ........................................................... 3
- **DRAMA-127** Auditioning Techniques ...................................................... 3
- **DRAMA-124** Advanced Principles of Acting .............................................. 6
- **DRAMA-125** Advanced Styles in Scene Study: From Shakespeare to Shaw .. 6
- **MUSIC-166** Chamber Singers ................................................................ 1-2
- **MUSIC-170** Applied Voice Training ........................................................ 1

**plus at least 2 units from:**

- **DRAMA-275** Musical Theater Production ................................................. 1-2
- **DRAMA-202** Fundamentals of Stage Production-Technical Theater ........ 1-2

**total units for major** 24

---

**MUSIC INDUSTRY STUDIES – MUSX**

Janette Funaro, Dean
Arts and Communication Division
Business and Foreign Language Building, 202

**Associate in science – Audio visual technology**

Students completing the program will be able to...

A. analyze and describe the science and technology for basic audio, visual, and audiovisual systems integration.

B. set up and test an audio, video, and audiovisual network.

C. describe and explain the components of sound and hearing, and vision and light as they pertain to human perception and venue limitations.

D. display proper customer service and professional behavior.

The audiovisual technician associate in science degree is designed to prepare students for the Certified Technology Specialist (CTS) certification exam administered by AVIXA International and entry-level jobs in the audiovisual industry. Audiovisual (AV) technicians set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, and news conferences. AV systems facilitate essential communications and often require connectivity with various types of networks, requiring AV technicians to work with information technology teams to set up and maintain that connectivity. This aspect of audiovisual technology is evolving, influencing industry demand. Degree-seeking students complete general education requirements that help students “think and communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding”. (Title 5, section 55061)

To earn an associate in science degree in audio visual technology, students must complete each course used to meet a major requirement with a “C” grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

**required courses:**

- **DMUSX-100** Audio and Visual Technology .................................................. 3
- **MUSX-101** Audio and Visual Production .................................................... 3
- **MUSX-120** Live Sound .............................................................................. 3
- **MUSX-124** Introduction to Music Production and Multi-Track Recording ...... 3
- **FTVE-120** Introduction to TV Studio Production ........................................ 3
- **FTVE-160** Introduction to Film Production ................................................. 3
- **CNT-103** Voice, Video, and Network Cabling ............................................. 2

**plus at least 2 units from:**

- **MUSX-296** Internship in Occupational Work Experience Education in MUSX ............................................................... 2-4

**total minimum units for the major** 24
CERTIFICATE CHANGES

**ENGINEERING TECHNOLOGY – ENGTC**

Despina Prapavessi, Dean
Math and Engineering Division
Mathematics Building, Room 267

**Certificate of accomplishment – Robotics**

Students completing this program will be able to...

A. Program robots to perform or simulate industrial applications.
B. Identify, measure, and analyze series, parallel, and series-parallel circuits mathematically and experimentally.
C. Diagnose and troubleshoot mechanical systems.
D. Demonstrate competence in principles and operation of basic hydraulic systems; use flow meters and pressure gauges to measure valves and make adjustments.

This certificate of accomplishment prepares students with foundational skills related to jobs in the robotic industry that include operating, diagnostics, and repair. Robotics jobs can be found within the fields of research and development (R&D), advanced manufacturing, industrial production, distribution logistics, and the biomedical industries. Disciplines of study may include programming, motors and controllers, direct current circuits, hydraulic and pneumatic systems, mechanical systems and components, and applications for industrial robotics. The labor market for these high-wage occupations in the Bay Area is strong.

Today’s advanced manufacturing industries, distribution centers, and medical research facilities are increasingly dependent on robotic systems to provide highly accurate and uninterrupted throughput. With the dependence on highly complex equipment, specialized robotic operators and technicians are required within these facilities. This certificate of accomplishment will prepare graduates to problem solve for a variety of technical applications with an emphasis on industrial machinery, electronics, and programming. Students will also learn how to practice safety within high-tech facilities.

To earn a certificate of accomplishment, students must complete each course used to meet a certificate requirement with a “C” grade or higher.

three units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTRN-107</td>
<td>Introduction to Robotics</td>
<td>2</td>
</tr>
<tr>
<td>ENGTC-180</td>
<td>Applications for Industrial Robotics</td>
<td>3</td>
</tr>
</tbody>
</table>

plus at least 2 units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECT-110</td>
<td>Survey of Electricity</td>
<td>2</td>
</tr>
<tr>
<td>ELECT-120</td>
<td>Direct Current Circuits</td>
<td>4</td>
</tr>
</tbody>
</table>

plus at least 3 units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGTC-175</td>
<td>Hydraulic and Pneumatic Systems and Components</td>
<td>3</td>
</tr>
<tr>
<td>ENGTC-176</td>
<td>Mechanical Systems and Components</td>
<td>3</td>
</tr>
</tbody>
</table>

**NEW CERTIFICATES**

**KINESIOLOGY – KINES**

Christine Worsley, Dean
Kinesiology, Athletics, and Health Sciences Division
Kinesiology Office Building, Room 104

**Certificate of achievement – Fitness coach**

Students completing this program will be able to...

A. Define the varying roles and responsibilities within the fitness industry.
B. Create evidence-based fitness goals and programs for clients.
C. Describe the scope of practice for the various careers and their tasks within the fitness industry.

The fitness coach certificate is a 13-unit course of study that will expose students to the basic strategies of working within a fitness facility while preparing them for various general capacities within a fitness facility that require less technical ability than more independent positions. Completion of the certificate requirements will prepare students with entry-level knowledge regarding the modern state of health and fitness, define the varying scopes of practice in the fitness industry, and give prospective to differentiate evidence-based practices from fitness fads and myths.

To earn a certificate of achievement, a student must complete each course used to meet a certificate requirement with a grade of “C” or higher.

required courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINES-100</td>
<td>Fitness and Wellness</td>
<td>1</td>
</tr>
<tr>
<td>KINES-240</td>
<td>Principles of Optimizing Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>KINES-242</td>
<td>Exercise Techniques and Fitness Assessments</td>
<td>1</td>
</tr>
<tr>
<td>KINES-250</td>
<td>Professional Aspects of Personal Training</td>
<td>3</td>
</tr>
<tr>
<td>KINES-254</td>
<td>Practical Experience in Personal Training and Fitness Instruction</td>
<td>4</td>
</tr>
</tbody>
</table>

plus at least one unit from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-110A</td>
<td>Beginning Hatha Yoga</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-110B</td>
<td>Intermediate Hatha Yoga</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-110C</td>
<td>Advanced Hatha Yoga</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-122A</td>
<td>Beginning Exercise, Balance, and Mobility</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-122B</td>
<td>Intermediate Exercise, Balance, and Mobility</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-124A</td>
<td>Beginning Strength, Core, and Mobility</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-124B</td>
<td>Beginning Strength, Core, and Mobility</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-128A</td>
<td>Beginning Cardio Kickboxing</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-128B</td>
<td>Intermediate Cardio Kickboxing</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-140</td>
<td>Indoor Cycling</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-144A</td>
<td>Beginning Strength and Cardio Circuit Training</td>
<td>1</td>
</tr>
<tr>
<td>KNACT-144B</td>
<td>Intermediate Strength and Cardio Circuit Training</td>
<td>1</td>
</tr>
</tbody>
</table>

**total minimum required units** 13
Certificate of achievement – Personal training entrepreneurship

Students completing this program will be able to...
A. conduct assessment of personal fitness levels.
B. develop a conditioning program to improve conditioning levels utilizing the periodization model.
C. design a conditioning program to meet the unique needs of special populations.
D. construct a business plan and essential financial documents for a small business.
E. describe basic accounting and marketing knowledge to support a business.

The personal training entrepreneurship certificate program will allow students to develop the business skills needed to start and run their own personal training businesses or to increase their employability in the local fitness industry.

To earn a certificate of achievement, a student must complete each course used to meet a certificate requirement with a grade of “C” or higher.

required courses: units
KINES-100 Fitness and Wellness ................................................1
KINES-240 Principles of Optimizing Human Performance .............3
KINES-242 Exercise Techniques and Fitness Assessments ..........1
KINES-250 Professional Aspects of Personal Training .............3
KINES-254 Practical Experience in Personal Training and Fitness Instruction I ................................................... 4
NUTRI-120 Sports Nutrition: Fueling the Athlete .......................3

plus at least three units from:
BUSMG-191 Small Business Management ........................................3
BUSMG-192 Entrepreneurship and Venture Management ..............3

plus at least three units from:
BUSAC-185 QuickBooks Accounting for Business I .......................1.5
BUSAC-188 QuickBooks Accounting for Business II ......................1.5
BUSMK-259 Digital Marketing Fundamentals ...................................3
BUSMK-260 Social Media Marketing ..................................................3

plus at least one unit from:
KNACT-110A Beginning Hatha Yoga ....................................................1
KNACT-110B Intermediate Hatha Yoga ................................................1
KNACT-110C Advanced Hatha Yoga ...................................................1
KNACT-122A Beginning Exercise, Balance, and Mobility .............1
KNACT-122B Intermediate Exercise, Balance, and Mobility ............1
KNACT-124A Beginning Strength, Core, and More .........................1
KNACT-124B Beginning Strength, Core, and More .........................1
KNACT-128A Beginning Cardio Kickboxing .....................................1
KNACT-128B Intermediate Cardio Kickboxing .................................1
KNACT-140 Indoor Cycling ..................................................................1
KNACT-144A Beginning Strength and Cardio Circuit Training .........1
KNACT-144B Intermediate Strength and Cardio Circuit Training .......1

total minimum required units 22