DVC associate degree requirements

General education option

Option 1  DVC general education

Option 2  IGETC Intersegmental
          General Education Transfer Curriculum

Option 3  CSU California State University
          general education pattern

Career/technical programs

Certificate programs and associate degrees
DVC ASSOCIATE DEGREES
DVC offers associate degrees in arts and science. These degrees are comprised of specific general education and other requirements, major requirements and elective opportunities.

Goals of DVC’s associate degrees
The goals of DVC’s associate degrees are:

• the development of college-level skills;
• the acquisition of basic principles in the major disciplines and methods of discovery and problem solving;
• the formation of insights from several disciplines in order to make better-informed decisions;
• an appreciation of our multicultural heritage;
• an understanding of the values we hold so that we may use them to examine and guide our life choices.

Associate degree general information
The completion of the associate in arts or science degree provides students with strong academic skills and a broad, in-depth, general education. Students may explore their interests by selecting from a different major emphasis and electives as well as completing required general education courses. Associate degrees are college and state approved and accredited programs.

Non degree applicable courses
Units from courses numbered below 100 cannot be applied to the degree. Non degree applicable course grades will not be included in calculating GPA for a degree.

Note: Only one of ENGL 116 or 118 may be applied to the associate degree.

Upper division coursework
Upper division coursework may be applied to meet IGETC and DVC general education requirements based on equivalency criteria. Official transcripts must be submitted to the DVC Admissions and Records Office. No units will be assigned; students are required to fulfill a minimum of 60 units in order to apply for the associate degree.

Meet with a counselor
It is very important to consult with a counselor before selecting courses. Counselors help students discover and examine all their available choices including petitioning for exemption from courses whose requirements the student may have already met.

Graduation
It is the student’s responsibility to file a Petition to Graduate by the deadline date during the semester in which he/she plans to complete the requirements. Diplomas are mailed at the end of each term. Please allow for 6-8 weeks processing time. Graduation ceremonies are held annually at the end of spring term.
Catalog rights and continuous enrollment for degrees and certificates

The college catalog specifies the requirements to earn a degree or certificate. The requirements in a specific academic year’s catalog are the student’s contract (catalog rights) with the college and that catalog defines what the student must complete to earn a degree or certificate. Students may follow the catalog requirements that were in effect for the academic year when their attendance began at Diablo Valley College or follow the catalog requirements in effect during subsequent years of attendance provided that continuous enrollment has been maintained. Effective fall 2009, continuous enrollment is defined as enrollment in at least one course at Diablo Valley College, Los Medanos College or Contra Costa College in an academic year (fall, spring, summer). The student must receive a grade or notation on their transcript of “A,” “B,” “C,” “D,” “E,” “P,” “NP,” “I” or “W” for the course. This continuous enrollment policy applies to students who are new, returning or continuing.

Students completing a degree may choose a G.E. pattern under one academic year and major program requirements from a different academic year. The academic year(s) chosen will need to be declared on the application for the degree. If there is a break in continuous enrollment, a student will be limited to the requirements of the academic year effective at the time of re-enrollment or those in subsequent years, as long as enrollment is continuous. Students who are not in continuous enrollment and do not re-enroll may petition for a degree or certificate but are subject to the catalog requirements in effect at the time of petition. The college may authorize or require course substitution for discontinued/changed courses or unit requirements. The college reserves the right to change catalog rights or program requirements based upon legal mandate and accreditation standards at any time. A student must complete a Course Substitution form to initiate substitutions to program requirements.

Catalog rights do not apply to CSU G.E. or IGETC certification. Students must follow the CSU G.E. or IGETC pattern in effect when they petition for certification. Courses used for certification must be on the approved list at the time they are taken.

Associate degree requirements for students entering fall 2011

To be awarded the associate degree students must meet the following requirements:

1. Basic degree requirements
   A student is eligible for graduation with the associate in arts or associate in science degree after the satisfactory completion of a minimum of sixty (60) units of degree applicable course work with a grade point average of 2.0 (C) or higher. At least 12 units of degree applicable course work must be earned at DVC.

2. Major/area of emphasis requirements
   This requirement is satisfied by completing the courses listed as the major under various disciplines in the college catalog.

3. General Education requirements
   General Education Option 1 (DVC G.E.) is appropriate for students who do not intend to transfer. Students intending to transfer to four-year institutions should select Option 2 (IGETC) or Option 3 (CSU G.E.).

Option 1 – Diablo Valley College general education
Option 2 – IGETC – Intersegmental General Education Transfer Curriculum
Option 3 – CSU G.E. – California State University general education
Please see end of section for specific requirements of these options.
We believe that realizing your academic and career goals can best evolve out of studying a broad range of college courses from mathematics to science, language, technology, and the humanities.

We also want to remind you of a wisdom shared among all of these areas of study, across cultures, and through the ages: that seeking and possessing knowledge for its own sake, in addition to more practical motives, is an immensely worthwhile endeavor.

Moreover, we believe that all academic disciplines are related and, taken together, best prepare you to interact in our world.

The faculty’s goal is for students to acquire the following lifelong skills and abilities:

The ability to:
• write clearly and read critically;
• use scientific reasoning to understand the physical and biological world and how we affect it;
• adapt to change by being flexible, curious, and open to new experiences;
• understand oneself, and others in relationships.

The knowledge of:
• the applications of mathematical concepts;
• U.S. history and government;
• information technology;
• the connections across disciplines.

The skills in:
• critical thinking and problem solving;
• effective interpersonal oral communication;
• economic survival in the culture and structure of the workplace and marketplace;
• healthful living and wellness in physical, intellectual, emotional, and social dimensions.

The appreciation of:
• the arts, through analysis and participation;
• self and others in a culturally-diverse world;
• how the past, present, and future interrelate on local, national, and global levels;
• ethics, integrity, and our responsibility to contribute to the community.
Reasons for DVC general education objectives for the associate degree

I. Language and reasoning
Students study principles and applications of language leading toward logical thought, clear and precise expression, and critical analysis of communication.

A. English composition
Students learn to:
• write an essay of several paragraphs developing a central idea;
• use written and spoken language to communicate effectively;
• apply principles of critical thinking to reading and writing;
• identify the primary elements of an argument and determine their validity;
• discuss how meaning is created and how symbols are used;
• illustrate how the English language represents and reflects the cultures that use it.

B. Communications and analytical thinking
Students come to understand, command and appreciate the principles of language, as language is symbolic of meaning. These principles are applied through logical thinking, clear and precise expression of concepts, and critical evaluation of expression in a variety of forms.

C. Mathematics comprehension
DVC graduates have gained an understanding and appreciation of the power and beauty of mathematics. They understand mathematical abstraction and generalization and the use of mathematical symbols. They should recognize and examine mathematical relationships in the form of equations, graphs, and tables. They can use appropriate technology to help solve mathematical problems. DVC graduates have learned to apply mathematical methods to solve quantitative problems in the sciences, in their vocations, and in their daily lives as citizens and consumers.

II. Natural sciences
In the natural sciences, students study humans as seekers of fact and makers of meaning through abstraction and generalization. By studying disciplines within biological and physical sciences, DVC graduates should be able to:
• explain the basic concepts of biological and/or physical sciences well enough to be able to interpret meaningfully and criticize representative material from the mass media;
• clearly distinguish between opinion based upon preconception and opinion based upon controlled scientific experiment;
• solve scientific problems in contexts other than those in which model problems and solutions are learned.

III. Arts and humanities
Students study the human experience as it is reflected and shaped by the arts. The faculty believes DVC graduates will be able to:
• develop an integrated and analytical approach to the study of art, humanities, languages, theater, film, literature and music within a historical, political, and sociological context.
• critically examine the relationships between the ways people live and the arts forms they create. These instances should be from different times and cultures.
• demonstrate their own ideas of aesthetic and ethical standards by engaging in an art as an originator, adapter, interpreter, or performer.

IV. Social and behavioral sciences
Courses in the multiple disciplines allow students to gain a basic knowledge of the cultural and social organizations in which they live as well as the behavior and social organizations of other human societies. Students fulfilling this requirement study the variety of ways through which society and the greater world are examined and understood. The faculty believes that DVC graduates should be able to:
• demonstrate an understanding of the complexity of social phenomena;
• discuss the scope and functions of social institutions;
• recognize points of view and their assumptions;
• critically examine generalizations in light of relevant evidence.

V. Multicultural studies
Students study contributions from various cultures to prepare to live in a diverse society. Through close examination of such things as art, society, history, and culture, students gain knowledge of experiences and perspectives other than their own, increasing their tolerance, respect for, and interaction among people from multiple cultures.
VI. Information literacy
Information literacy is the ability to both recognize when information is needed and to locate, evaluate, synthesize, use and communicate information in various formats.

The faculty believes DVC graduates should be able to:
• recognize when information is necessary;
• develop effective research strategies;
• locate, retrieve and use information in a variety of formats;
• critically evaluate, and synthesize information;
• effectively create, present and communicate information;
• competently use computers and other information technology tools;
• understand the social, legal and ethical issues relating to information and its use.

VII. American institutions
Addressing American institutions are courses that address the Constitution of the United States, the operation and evolution of representative democratic government, which include the legislative, judicial, executive branches and the electoral system, under that Constitution and have as a primary focus of examining the political philosophies of the framers of the Constitution and the nature and operation of United States political institutions and processes under that Constitution as amended and interpreted. In addition, courses strive to develop and gain an understanding of the rights, obligations and responsibilities of citizens in the political system established under the Constitution. These courses also cover the Constitution of the State of California within the framework of evolving Federal/State relations and the nature and processes of state and local government under that Constitution. Lastly, the courses analyze contemporary relations of State and local government with the Federal Government, the resolution of conflicts and the establishment of cooperative processes under the Constitutions of both the State and nation, and the political processes involved.

VIII. Ecology of human health
The faculty believes that development and maintenance of personal and community health is basic to all endeavors of DVC graduates as workers, lifelong learners and citizens.

To this end the health requirement will enable students to:
• develop an awareness of the dimensions of health and their interrelationships: physical, mental, intellectual, social, environmental, and spiritual;
• develop life skills to promote health and prevent disease;
• understand the primary structures and functions of the human body as it relates to health and disease processes;
• evaluate health care services, information, and products.

IX. Physical education
The faculty believes DVC graduates should be able to:
• develop and evaluate optimum muscular strength and endurance, flexibility, cardiovascular fitness, and a personal sense of wellness;
• develop individual skills in specific activities with potential for lifelong leisure time participation;
• participate in activities that promote creative expression, relaxation and reduce stress;
• develop knowledge and understanding of physical activity, encourage appropriate health practices, and communicate the value of an active lifestyle to quality of life.

DVC general education requirements
Students must complete a minimum of 18 units of DVC general education coursework from the following G.E. areas. Please check with the counseling department for up-to-date information or visit www.dvc.edu.

I. Language and reasoning

A. English composition
Course requirement - 3 units
Complete with a “C” grade or higher:
English 122
AP English Language or English Literature with a score of 3 or higher meets this requirement.

B. Communications and analytical thinking
Course requirement - 3-4 units
Complete one course:
Business 240, 250, 255
Computer Science 100, 105, 110, 255, 265
English 123, 126
History 122
Mathematics 124, 135, 135SP, 142, 181, 182, 183, 191, 192, 193, 194, 195, 292, 294
Philosophy 130
Psychology 145
General education options

Sociology 122
Speech 121
AP Calculus AB or Calculus BC or Statistics with a score of 3 or higher meets this requirement.

C. Mathematics comprehension
Course requirement - 0-4 units
Satisfy either 1) or 2) below.

1) Complete one of the following courses with a grade “C” or higher, or transfer credit for an equivalent course from another accredited college or university.

- Business 240
- Engineering 111
- Mathematics 114, 120, 120SP, 121, 124, 135, 135SP, 142, 181, 182, 183, 191, 192, 193, 194, 195, 292, 294

2) Satisfy one of the following:
   - Receive a “C” grade or higher in both terms of high school Algebra II course.
   - Score at least 520 on the SAT Math test.
   - Score 24 or above on the math section of the ACT test.
   - Pass any CLEP math exam.
   - Score 3 or higher on AP Calculus AB or Calculus BC or Statistics.

Note: Students are responsible for notifying the Admissions and Records Office if the requirement is met by submitting the proper documents.

II. Natural sciences
Course requirement - 3-5 units
Complete one course:
- Anthropology 115, 140
- Astronomy 110, 120, 128
- Biological Science 101, 102, 116, 117, 119, 120, 126, 130, 131, 139, 140, 146, 162, 170, 171, 205
- Chemistry 106, 108, 109, 120, 121, 226, 227
- Geography 120, 121, 140, 141
- Geology 120, 121, 122, 124, 125
- Oceanography 101, 102
- Physical Science 112
- Physics 110, 111, 113, 120, 121, 129, 130, 230, 231

One of the following AP tests with a score of 3 or higher meets this requirement: Biology, Chemistry, Environmental Science, Physics B, or Physics C

III. Arts and humanities
Course requirement - 3-5 units
Complete one course:
- Arabic 121
- Architecture 155, 156, 157, 158, 160
- Art Digital Media 214
- Art History 193, 195, 196, 197, 199
- Chinese 121, 220, 221
- Dance 201
- Drama 139, 140, 141, 142, 180, 181
- English 150, 151, 152, 154, 162, 163, 164, 166, 167, 168, 170, 172, 173, 175, 176, 177, 180, 190, 252, 253, 262, 263, 272, 273
- Film 140, 160, 180, 280, 281, 282, 283, 284
- French 121, 220, 221, 230, 231
- German 121, 220, 221, 230, 231
- History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 170, 171
- Italian 121, 220, 221, 230, 231
- Japanese 121, 147, 220, 221, 245
- Music 110, 112, 114, 115, 116, 117, 118
- Persian 121
- Philosophy 120, 122, 140, 141, 220, 224, 225
- Russian 121, 220, 221
- Sign Language 282, 283
- Spanish 121, 220, 221, 230, 231, 250

One of the following AP tests with a score of 3 or higher meets this requirement: Art History, Chinese Language and Culture, English Literature, European History, French Language, French Literature, German Language, Italian Language and Culture, Japanese Language and Culture, Latin Literature, Latin: Vergil, Spanish Language, Spanish Literature, U.S. History, World History
IV. Social and behavioral sciences
Course requirement - 3 units
Complete one course:
Administration of Justice 120
Anthropology 120, 125, 130, 135, 150
Early Childhood Education 124
Economics 101, 200, 220, 221
Engineering 130
Geography 130, 135
Health Science 127, 140
History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 170, 171
Journalism 110
Political Science 120, 121, 151, 220, 240, 250
Psychology 101, 122, 130, 140, 141, 160, 190, 200, 220, 225, 230, 240
Social Science 110, 111, 115, 120, 123, 220
Sociology 120, 121, 123, 124, 125, 131, 135
One of the following AP tests with a score of 3 or higher meets this requirement: Comparative Government and Politics, European History, Human Geography, Macroeconomics, Microeconomics, Psychology, U.S. Government and Politics, U.S. History, World History

V. Multicultural studies
Course requirement - 0-3 units
Courses may fulfill other degree requirements, but units are counted only once.
Complete one course:
Addiction Studies 155
Administration of Justice 130
Anthropology 120, 135
Broadcast Communication Arts 260
Culinary Arts 228
Drama 142
Early Childhood Education 144
English 162, 168, 170, 173, 177, 190, 225, 262
Film 160
Geography 135
History 124, 125, 126, 127, 128, 129, 130, 170, 171
Humanities 115
Music 112, 114, 115, 116
Psychology 140, 141
Social Science 115, 120, 220
Sociology 125, 131, 135

VI. Information literacy
Course requirement 0-5 units
Courses may fulfill other degree requirements, but units are counted only once.
Complete one course:
Biological Science 130
Career 110
Counseling 130
Dental Hygiene 134
Health Science 124
Library Studies 121
Nutrition 120
Physical Education Theory 210

VII. American institutions
Course requirement - 0-6 units
Courses may fulfill other degree requirements, but units are counted only once.
Complete one course:
Political Science 121
Social Science 111
OR
one of the following pairs:
History 120 and History 121
History 120 and History 124
History 120 and History 128
History 120 and History 171
History 120 and Political Science 121
History 120 and Political Science 151
History 120 and Social Science 111
History 120 and Social Science 220
History 121 and History 127
History 121 and Political Science 121
History 121 and Social Science 111
History 121 and Social Science 115
History 121 and Social Science 120
History 121 and Social Science 220
History 124 and History 127
History 124 and Social Science 120
History 125 and Political Science 121
History 125 and Social Science 111
History 125 and Social Science 220
History 126 and Political Science 121
History 126 and Social Science 111
History 126 and Social Science 220
General education options

- History 127 and History 128
- History 127 and History 171
- History 127 and Political Science 121
- History 127 and Political Science 151
- History 127 and Social Science 111
- History 127 and Social Science 220
- History 128 and Political Science 121
- History 128 and Social Science 111
- History 128 and Social Science 115
- History 128 and Social Science 120
- History 128 and Social Science 220
- History 129 and Political Science 121
- History 129 and Social Science 111
- History 129 and Social Science 220
- History 130 and Political Science 121
- History 130 and Social Science 111
- History 130 and Social Science 220
- History 170 and History 171
- History 170 and Political Science 121
- History 170 and Social Science 111
- History 170 and Social Science 220
- History 171 and Political Science 121
- History 171 and Social Science 111
- History 171 and Social Science 115
- History 171 and Social Science 120
- History 171 and Social Science 220
- Political Science 121 and Social Science 120
- Political Science 151 and Social Science 120
- Social Science 111 and Social Science 120
- Social Science 120 and Social Science 220

**Note:** These pairs of courses also satisfy the CSU US History, Constitution and American Ideals statutory requirement.

**VIII. Ecology of human health**

Course requirement - 0-3 units

Courses may fulfill other degree requirements, but units are counted only once.

- Health Science 124, 140, 164, 170
- Nutrition 115, 160

**IX. Physical education**

Course requirement - 2 units

Complete one or more of the following physical education courses: activity, adaptive, combative, dance, or intercollegiate athletics courses to meet the PE requirement.

**Note:** Physical education theory courses may not be used. Courses vary in units; more than one course may be needed to meet this requirement.
Area 1.

English communication
Course requirement:
CSU - 3 courses required, 1 each from group A, B and C.
UC - 2 courses required, 1 each from group A and B.

1-A. English composition
Course requirement - 3 units, 1 course
English 122
Note: AP English Language or English Literature with a score of 3 or higher meets this requirement.

1-B. Critical thinking - English composition
Course requirement - 3 units, 1 course
Complete one course:
English 123, 126
History 122
Philosophy 130
Psychology 145
Sociology 122
Speech 121+

1-C. Oral communication - CSU requirement only
Course requirement - 3 units, 1 course
Speech 120
Note: 1-C is a CSU requirement only. Students transferring to UC do not have to meet the Area 1-C, “oral communication” requirement.

Area 2.

Mathematical concepts and quantitative reasoning
Course requirement - 3 units, 1 course
Complete one course:
Business 240+
Math 124, 135+, 135SP+, 142+, 181, 182+, 183+, 191+, 192+, 193+, 194, 195, 292, 294

AP Calculus AB or Calculus BC or Statistics with a score of 3 or higher meets this requirement.

Option 2
Intersegmental General Education Transfer Curriculum (IGETC)

Program level student learning outcomes
Program level student learning outcomes have been developed for each of the three options for General Education. A complete list of current program level student learning outcomes for each program is available on the DVC website at www.dvc.edu/slo.

Although courses may be listed in more than one area, they may be used to satisfy the requirement in only one area except for courses in languages other than English.
Area 3.
Arts and humanities

Course requirement - 9 units, at least 3 courses
This requirement includes taking at least one course from the Arts (3-A) and one from the Humanities (3-B).

3-A. Arts
Complete one or more courses:
Architecture 156, 157, 158
Art Digital Media 214
Art History 193, 195, 196, 197, 199
Dance 201
Drama 139, 140, 141, 142, 180, 181
Film 140, 160, 180+, 280, 281+, 282, 283, 284
Music 110, 112, 114, 115, 116, 117, 118

AP Art History with a score of 3 or higher counts as one course towards this requirement.

3-B. Humanities
Complete one or more courses:
Arabic 121*
Architecture 155, 160
Chinese 121*, 220*, 221*
English 150, 151, 152+, 153, 154, 162, 163, 164, 166, 167, 168, 170, 172, 173, 175, 176, 177, 180, 190, 252, 253, 282, 283, 272, 273
French 121*, 220*, 221*, 230*, 231*
German 121*, 220*, 221*, 230*, 231*
Italian 121*, 220*, 221*, 230*, 231*
Japanese 121*/+, 147*/+, 220*, 221*, 245*
Persian 121*
Philosophy 120, 122, 140, 141, 220, 224, 225
Russian 121*, 220*, 221*
Sign Language 282*, 283
Spanish 121*, 220*, 221*, 230*, 231*, 250*

Each of the following AP tests with a score of 3 or higher counts as one course towards this requirement:

Area 4.
Social and behavioral sciences

Course requirement - 9 units, at least 3 courses
Complete 3 courses from at least 2 disciplines‡:
‡Administration of Justice 120
Anthropology 120, 125, 130, 135
‡Early Childhood Education 124
Economics 101+, 200+, 220+, 221+
Engineering 130
Geography 130, 135
Health Science 127+, 140

Journalism 110
Political Science 120, 121, 151, 220, 240, 250
‡Psychology 101, 122, 130, 140, 141, 160, 190, 200, 220, 225, 230, 240
Social Science 110, 111, 115, 120, 123+, 220
‡Sociology 120, 121, 123, 124, 125, 131, 135

Each of the following AP tests with a score of 3 or higher counts as one course towards this requirement:

‡ Two of the three courses must be from different disciplines. Administration of Justice and Sociology are in the same discipline. Early Childhood Education and Psychology are in the same discipline.

* Course may be listed in more than one area, but shall not be certified in more than one area except for courses in Languages other than English.
+ Indicates that transfer credit may be limited by either UC or CSU or both. Please consult with a counselor for additional information.
Area 5.
Physical and biological sciences
Course requirement - 7-9 units, at least 2 courses
This requirement includes taking one physical science course and one biological science course from each of groups 5-A and 5-B. At least one course must have a laboratory.
Courses that meet the laboratory requirement are underlined and must be taken with matching lecture course.

5-A. Physical science
Course requirement - 3-5 units
Complete at least one course:
- Astronomy 110+ (add Astronomy 130 for lab), 120+
- Chemistry 106+, 108+, 109+, 120, 121, 226, 227
- Geography 120, 121, 140, 141
- Geology 120, 121, 122, 124, 125
- Oceanography 101, 102
- Physical Science 112+
- Physics 110+, 111+, 113, 120+, 121+, 129+, 130+, 230+, 231+
- AP Chemistry or Environmental Science or Physics B or Physics C with a score of 3 or higher meets both 5A and 5C requirements.

5-B. Biological science
Course requirement – 3-5 units, at least 1 course
Complete at least one course:
- Anthropology 115 (no lab), 140 (add Anthropology 141L for lab)
- Biological Science 101+, 102+, 116+, 117+, 119+, 120+, 126, 130, 131, 139+, 140+, 146+, 162, 170+, 171+, 205

- AP Biology with a score of 3 or higher meets both 5B and 5C requirements.

5-C. Laboratory
Courses that meet the laboratory requirement are underlined in Area 5-A and 5-B and must be taken with matching lecture course.

Area 6.
Languages other than English
(UC requirement only)
Students shall demonstrate proficiency in a language other than English in one of the following ways:
- Proficiency equivalent to two years of high school study in the same language. Two years of high school study in American Sign Language (ASL). Submit official junior or senior high school transcript to DVC Admissions Office.
- Must have successfully completed one of the following foreign language courses:
  - Arabic 120
  - Chinese 120
  - French 120
  - German 120, 146
  - Italian 120
  - Japanese 120+, 146+
  - Persian 120
  - Russian 120
  - Sign Language 281
  - Spanish 120

  or

- Requirement validated by more advanced course.

Please see a counselor for details on required test scores or other alternatives to demonstrating proficiency.

Advanced placement exams - Acceptable scores of 3 or higher can be used in some areas towards meeting IGETC subject areas as noted in that section. Note that an acceptable score on an English exam may not be used to meet the Critical Thinking - English Composition requirement.
CSU graduation requirement in U.S. history, constitution and American ideals

6 units

The CSU graduation requirement may be fulfilled, but is not required, prior to transfer. Courses used to fulfill this requirement also meet course requirements in IGETC areas 3 OR 4. See a counselor for the use of AP examinations to meet this requirement.

History 120 and History 121
History 120 and History 124
History 120 and History 128
History 120 and History 171
History 120 and Political Science 121
History 120 and Political Science 151
History 120 and Social Science 111
History 120 and Social Science 220
History 121 and History 127
History 121 and Political Science 121
History 121 and Social Science 111
History 121 and Social Science 115
History 121 and Social Science 120
History 121 and Social Science 220
History 124 and History 127
History 124 and Social Science 120
History 125 and Political Science 121
History 125 and Social Science 111
History 125 and Social Science 220
History 126 and Political Science 121
History 126 and Social Science 111
History 126 and Social Science 220

History 127 and History 128
History 127 and History 171
History 127 and Political Science 121
History 127 and Political Science 151
History 127 and Social Science 111
History 127 and Social Science 220
History 128 and Political Science 121
History 128 and Social Science 111
History 128 and Social Science 115
History 128 and Social Science 120
History 128 and Social Science 220
History 129 and Political Science 121
History 129 and Social Science 111
History 129 and Social Science 220
History 130 and Political Science 121
History 130 and Social Science 111
History 130 and Social Science 220
History 170 and History 171
History 170 and Political Science 121
History 170 and Social Science 111
History 170 and Social Science 220
History 171 and Political Science 121
History 171 and Social Science 111
History 171 and Social Science 115
History 171 and Social Science 120
History 171 and Social Science 220
Political Science 121 and Social Science 120
Political Science 151 and Social Science 120
Social Science 111 and Social Science 120
Social Science 120 and Social Science 220

(U.S. History, Constitution and American Ideals is considered by CSU to be a statutory rather than a general education requirement.)
Option 3
CSU General Education breadth requirements (CSU G.E.)

Program level student learning outcomes
Program level student learning outcomes have been developed for each of the three options for General Education. A complete list of current program level student learning outcomes for each program is available on the DVC website at www.dvc.edu/slo.

Although courses may be listed in more than one area, they may be used to satisfy the requirement in only one area except for courses in languages other than English.

A. English language communication and critical thinking
Complete 9 units (one course from A-1, A-2 and A-3). A grade of “C” or higher is required for certification, CSU admission and/or graduation.

A-1. Oral communication
Course requirement - 3 units
Speech 120

A-2. Written communication
Course requirement - 3 units
English 122
AP English Language or English Literature with score of 3 or higher meets this requirement.

A-3. Critical thinking
Course requirement - 3 units
Complete one course:
English 123, 126
History 122
Philosophy 130
Psychology 145
Sociology 122
Speech 121, 123

B. Scientific inquiry and quantitative reasoning
At least 3 units from B-1, at least 3 units in B-2, at least one lab course to meet B-3; at least 3 units in B-4. Courses that meet the laboratory requirement are underlined and must be taken with matching lecture course.

B-1. Physical science
Course requirement - 3-5 units
Complete one course:
Astronomy 110 (add Astronomy 130 for lab), 120 (add Astronomy 130 for lab), 128
Chemistry 106, 108, 109, 120, 121, 226, 227
Geography 120 (add Geography 121 for lab), 140 (add Geography 141 for lab)
Geology 120 (add Geology 122 for lab), 121 (add Geology 124 for lab), 125
Oceanography 101, 102
Physical Science 112
Physics 110 (add Physics 111 for lab), 113, 120, 121, 129, 130, 230, 231
AP Chemistry or Environmental Science or Physics B or Physics C with a score of 3 or higher meets both B-1 and B-3 requirements.
B-2. Life science  
Course requirement - 3-5 units
Complete one course:
Anthropology 115, 140 (add Anthropology 141L for lab)
Biological Science 101, 102, 107, 116, 117, 119, 120, 126, 130, 131, 139, 140, 146, 161, 162, 170, 171, 205
AP Biology with a score of 3 or higher meets both B-2 and B-3 requirements.

B-3. Laboratory activity  
Course requirement:
One course in B-1 or B-2 must be a laboratory course.
Courses that meet the laboratory requirement are underlined in area B-1 and B-2 and must be taken with matching lecture course.

B-4. Mathematics/quantitative reasoning  
Course requirement - 3-4 units
A grade of “C” or higher is required.
Complete one course:
Business 240
Mathematics 121, 124, 135, 135SP, 142, 181, 182, 183, 191, 192, 193, 194, 195, 292, 294
AP Calculus AB or Calculus BC or Statistics with a score of 3 or higher meets this requirement.

C. Arts and humanities  
Course requirement - 9 units
Complete at least one 3 unit course in the Arts (C-1), one 3 unit course in the Humanities (C-2), and 3 units from either Arts (C-1) or Humanities (C-2), for the total requirement of at least 9 units.

C-1. Arts (Art, Dance, Film, Music, Theater)  
Course requirement - 3-6 units
Complete one or more courses:
Architecture 120, 121, 130, 155, 156, 157, 158, 160
Art 105, 120, 126, 140
Art Digital Media 214
Art History 193, 195, 196, 197, 199
Broadcast Communication Arts 140
Dance 201
Drama 122, 139, 140, 141, 142, 150, 180, 181
English 152
Film 140, 160, 180, 280, 281, 282, 283, 284
Music 110, 112, 114, 115, 116, 117, 118, 252, 255
Speech 148
AP Art History with a score of 3 or higher counts as one course towards this requirement.

C-2. Humanities (Literature, Philosophy, Foreign Language)  
Course requirement - 3-6 units
Complete one or more courses:
Arabic 121
Architecture 155, 160
Broadcast Communication Arts 260
Chinese 121, 220, 221
Drama 142
English 150, 151, 152, 153, 154, 162, 163, 164, 166, 167, 168, 170, 172, 173, 175, 176, 177, 180, 190, 222, 223, 224, 225, 252, 253, 262, 263, 272, 273
Film 160
French 121, 220, 221, 230, 231
German 121, 220, 221, 230, 231
History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 160, 170, 171
Italian 121, 220, 221, 230, 231
Japanese 121, 147, 220, 221, 245
Persian 121
Philosophy 120, 122, 140, 141, 220, 221, 224, 225
Russian 121, 220, 221
Sign Language 281, 282, 283
Spanish 121, 220, 221, 230, 231, 250
Each of the following AP tests with a score of 3 or higher counts as one course towards this requirement:

D. Social sciences  
At least 9 units required with courses in at least 2 disciplines. A course may be listed in more than one group, but may be counted only once.

D-1. Anthropology and archeology  
Anthropology 120, 125, 130, 135

D-2. Economics  
Economics 101, 200, 220, 221

D-3. Ethnic studies  
Anthropology 120, 135
History 124, 125, 126, 127, 128, 129, 130, 170, 171
Psychology 140, 141
Social Science 115, 120, 220
Sociology 131, 135
General education options

D-4. Gender studies
- History 170, 171
- Social Science 120, 220
- Sociology 124

D-5. Geography
- Geography 130, 135

D-6. History
- History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 160, 170, 171

D-7. Interdisciplinary social or behavioral science
- Engineering 130
- Health Science 127, 140
- Journalism 110
- Social Science 110, 111, 115, 120, 123, 162, 163, 220

D-8. Political science, government and legal institutions
- Political Science 120, 121, 151, 220, 240, 250

D-9. Psychology
- Early Childhood Education 124

D-10. Sociology and criminology
- Administration of Justice 120, 139
- Sociology 120, 121, 123, 124, 125, 131, 135
- Each of the following AP tests with a score of 3 or higher counts as one course towards this requirement: Comparative Government and Politics, European History, Human Geography, Macroeconomics, Microeconomics, Psychology, U.S. Government and Politics, U.S. History, World History.

E. Lifelong learning and self development
- Course requirement - 3 units
  - Complete one course:
    - Career 110
    - Counseling 120
    - Early Childhood Education 124
    - Health Science 124, 127, 140, 164, 170
    - Nutrition 115, 160
    - Physical Education-Dance 130, 136, 142
    - Psychology 122, 140, 141, 160, 200

Graduation requirement in U.S. history, constitution and American ideals
- 6 units
  - The CSU graduation requirement may be fulfilled, but is not required, prior to transfer. Courses used to fulfill this requirement also meet course requirements in CSU G.E. areas C OR D. See a counselor for the use of AP examinations to meet this requirement.
  - History 120 and History 121
  - History 120 and History 124
  - History 120 and History 128
  - History 120 and History 171
  - History 120 and Political Science 121
  - History 120 and Political Science 151
  - History 120 and Social Science 111
  - History 120 and Social Science 220
  - History 121 and History 127
  - History 121 and Political Science 121
  - History 121 and Social Science 111
  - History 121 and Social Science 115
  - History 121 and Social Science 120
  - History 121 and Social Science 220
  - History 124 and History 127
  - History 124 and Social Science 120
  - History 125 and Political Science 121
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  - History 125 and Social Science 220
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  - History 126 and Social Science 220
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  - History 127 and History 171
  - History 127 and Political Science 121
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  - History 127 and Social Science 111
  - History 127 and Social Science 220
  - History 128 and Political Science 121
  - History 128 and Social Science 111
  - History 128 and Social Science 115
  - History 128 and Social Science 120
  - History 128 and Social Science 220
  - History 129 and Political Science 211
General education options

History 129 and Social Science 111
History 129 and Social Science 220
History 130 and Political Science 121
History 130 and Social Science 111
History 130 and Social Science 220
History 170 and History 171
History 170 and Political Science 121
History 170 and Social Science 111
History 170 and Social Science 220
History 171 and Political Science 121
History 171 and Social Science 111
History 171 and Social Science 115
History 171 and Social Science 120
History 171 and Social Science 220
Political Science 121 and Social Science 120
Political Science 151 and Social Science 120
Social Science 111 and Social Science 120
Social Science 120 and Social Science 220

DVC CAREER/TECHNICAL PROGRAMS

Offering more than 30 career/technical programs and over 75 certificates and degrees, DVC provides students with the educational background and training they need to achieve their career goals. By completing a career/technical program, students demonstrate to employers that they have acquired appropriate and up-to-date skills. Changing technology affects the way we live and perform our jobs. Staying on top of these changes is an important priority. DVC’s excellent reputation is a distinct advantage to our students as they compete in today’s demanding job market. Career/technical certificate and degree programs vary in length; most certificate programs require less than two years of full-time study to complete and many programs may be completed on a part-time basis. DVC offers two types of certificates: certificates of achievement and certificates of accomplishment. In many cases, courses completed as part of a certificate program can be applied to a degree program. Only certificates of achievement and associate degrees are recorded on the student’s official transcript.

Students who successfully complete their certificate or degree course work must apply to the Admissions and Records Office to receive their award. To qualify for a certificate, students must complete at least twenty-five percent of the required courses at DVC. Students must also maintain a grade point average of “C” (2.0) or higher in the certificate’s required courses. Some certificates require a higher grade point average in required courses. See specific program description for details.

Students who would like help in planning for their career or profession should seek the advice of a counselor or program advisor. DVC offers a wide range of educational opportunities and the counseling department is available to help students carefully plan a course of study that takes into consideration personal interests, aptitudes and experiences. Studies show that careful planning will help to ensure students’ college and future success.

A course sequence for CTE programs can be found online at www.dvc.edu/org/programs.
### DVC CERTIFICATE PROGRAMS AND ASSOCIATE DEGREES

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** offered in collaboration with Ohlone College, which grants the degree