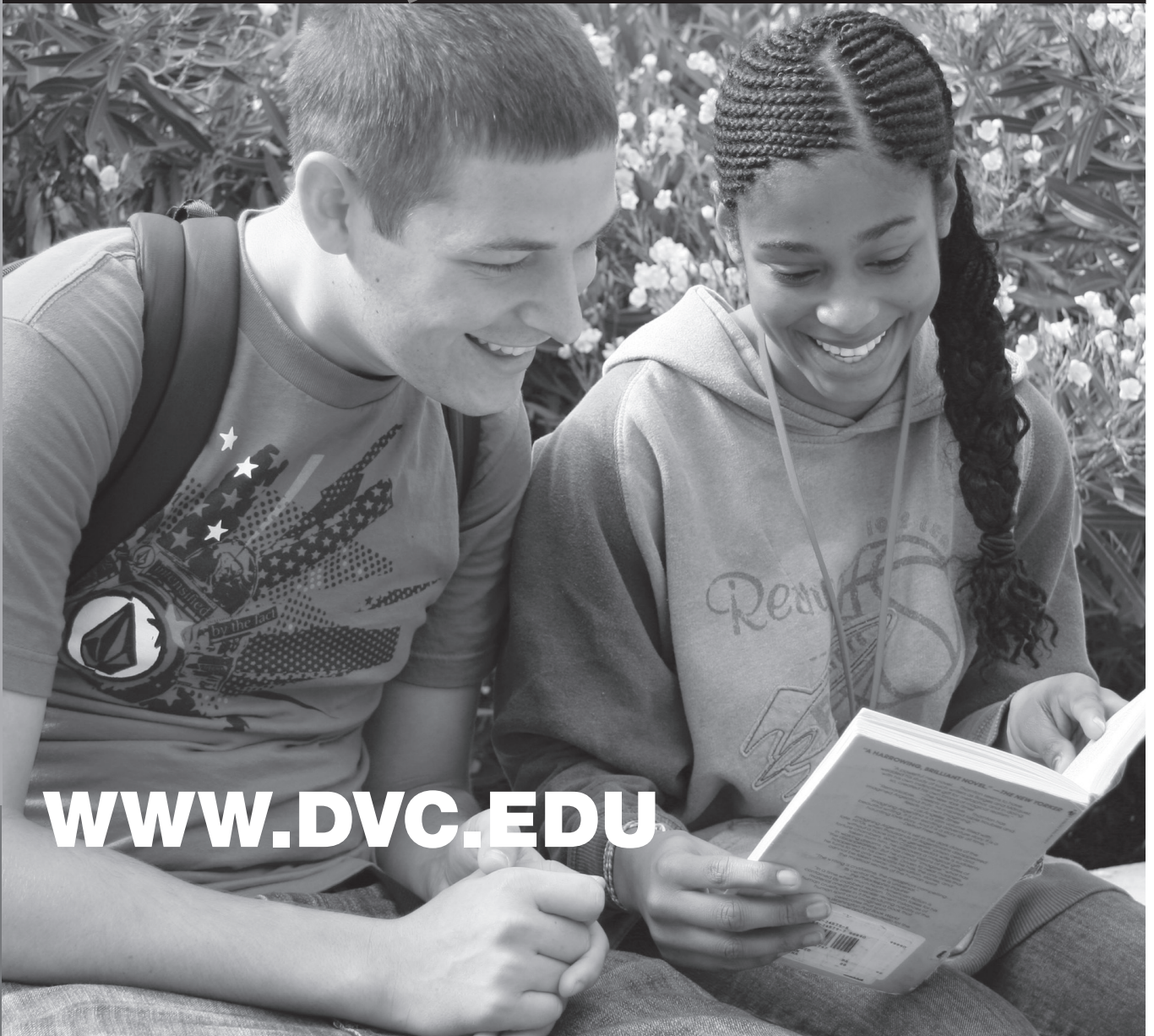


DVC

DIABLO VALLEY COLLEGE

ADDENDUM

Catalog 10-11



WWW.DVC.EDU

OUR MISSION:

Diablo Valley College is passionately committed to student learning through the intellectual, scientific, artistic, psychological, and ethical development of its diverse student body. Diablo Valley College prepares students for transfer to four-year universities; provides career/technical education; supports the economic development of the region; offers pre-collegiate programs; and promotes personal growth and lifelong learning.

Adopted by the Contra Costa Community College District Governing Board on April 29, 2009

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Section one INTRODUCTION

no changes

Section two TRANSFER INFORMATION

no changes

Section three REQUIREMENTS FOR ASSOCIATE DEGREES, GENERAL EDUCATION, AND CERTIFICATE PROGRAMS

Note:

Changes are underlined, deletions are indicated by ~~strike-through~~.

DVC general education requirements - effective fall 2010

These are the 2010-2011 DVC G.E. requirements and are subject to change. 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

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 the last term of a two-year high school algebra sequence.
- 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, 160, 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, 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, 153, 154, 162, 163, 164, 166, 167, 168, 170, 172, 173, 175, 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, 147, 220, 221, 230, 231
History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 170, 171
Humanities 105, 108, 110, 111, 112, 115, 116, 118, 123
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
History 120, 121, 124, 125, 126, 127, 128, 129, 130, 135, 136, 140, 141, 150, 151, 170, 171
Journalism 110

Political Science 120, 121, 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

Option 2

Note:

Changes, including non-laboratory courses, are underlined, deletions are indicated by ~~strike-through~~. Changes in laboratory courses are boxed.

Intersegmental General Education Transfer Curriculum (IGETC) - effective fall 2010

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 program level student learning outcomes for each program is available in the 2010-2011 catalog in Section four: Program Level Student Learning Outcomes. Students may also consult the website at www.dvc.edu/slo for the most current information.

These are the 2010-2011 IGETC requirements and are subject to change. Please check with the Counseling Department for up-to-date information or visit www.dvc.edu.

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 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

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

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

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

Music-Literature 112, 114, 117+, 118+

Note: *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, 177, 180, 190, 252, 253, 262, 263, 272, 273

French 121*+, 220*, 221*, 230*, 231*

German 121*+, 147*+, 220*, 221*, 230*, 231*

History 120*+, 121*+, 124*, 125*, 126*, 127*+, 128*+, 129*, 130*, 135*, 136*, 140*, 141*, 150*, 151*, 170*+, 171*+

Humanities 105, 108, 110, 111, 112, 115, 116, 118, 123+
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*

Note: Each of the following AP tests with a score of 3 or higher counts as one course towards 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.*

- * 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 4. Social and behavioral sciences

Course requirement - 9 units, at least 3 courses
Complete at least 3 courses from at least 2 disciplines ‡:
‡Administration of Justice 120
Anthropology 120, 125, 130, 135, 150
‡Early Childhood Education 124
Economics 101+, 200+, 220+, 221+
Engineering 130
Geography 130, 135
History 120*+, 121*+, 124*, 125*, 126*, 127*+, 128*+, 129*, 130*, 135*, 136*, 140*, 141*, 150*, 151*, 170*+, 171*+
Journalism 110
Political Science 120, 121, 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

Note: 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.*

‡ 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.

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+ (add Astronomy 130 for lab), 128+

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+

Note: *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+, 160, 170†, 171+, 205

Note: *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.

* 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 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. (A junior or senior high school transcript or approved test score must be on file in the Admissions and Records Office.)

or

- 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.

Note: 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.

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.)

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.

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

Option 3

Note:

Changes, including non-laboratory courses, are underlined, deletions are indicated by ~~strike-through~~. Changes in laboratory courses are boxed.

CSU General Education breadth requirements (CSU G.E.) - effective fall 2010

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 program level student learning outcomes for each program is available in the 2010-2011 catalog in Section four: Program Level Student Learning Outcomes. Students may also consult the website at www.dvc.edu/slo for the most current information.

These are the CSU General Education breadth requirements for 2010-2011 and are subject to change. Please check with the Counseling Department for up-to-date information or visit www.dvc.edu.

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*, 116, 117*, 119*, 120*, 126*, 130*, 131*, 139*, 140*, 146*, 160*, 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, 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, 152, 160

Art Digital Media 214

Art History 193, 195, 196, 197, 199

Broadcast Communication Arts 140

Dance 201

Drama 122, 139, 140, 141, 142, 150, ~~170~~, 180, 181

English 152

Film 140, 160, 180, 280, 281, 282, 283, 284

Music 110, 112, 114, 115, 116, 117, 118, 252, 255

Music Literature 112, 114, 117, 118

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, 147, 220, 221, 230, 231

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

Humanities 105, 108, 110, 111, 112, 115, 116, 118, 120, 123

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: *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.*

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, 150

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

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

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

Psychology 101, 122, 130, 140, 141, 160, 190, 200, 215, 220, 225, 230, 240

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 understanding learning and self development

Course requirement - 3 units

Complete one course:

Career 110

Counseling 120

Early Childhood Education 124

Health Science 124, 140, 164, 70

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.

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

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

(U.S. History, Constitution and American Ideals is considered by CSU to be a statutory rather than a general education requirement.)

Section four PROGRAM LEVEL STUDENT LEARNING OUTCOMES

no changes

Section five PROGRAM AND COURSE DESCRIPTIONS

NEW CERTIFICATE PROGRAMS AND ASSOCIATE DEGREES - effective fall 2010

ART – ART

Associate in art degree - Fine arts

The associate in arts degree in fine arts offers students a curricular program for studying a variety of beginning courses within the field of art practice. The student with an associate in arts degree in fine arts is prepared for upper division work in the major at four-year institutions. The major is available at UC and CSU systems, the San Francisco Art Institute, the California College of Art, and at other colleges of art and schools of design. The fine arts curriculum develops a student's critical thinking skills, hones problem-solving skills, and establishes visual literacy. Career opportunities in fine arts include: exhibiting artist, art critic, art dealer, educator, art historian, graphic designer, photographer, sculptor, ceramist, jeweler, printmaker, painter, art illustrator, art technician, museum curator, art journalist, arts administrator, product designer, advertising specialist and other professions in creative endeavor.

The fine arts major is a two-year degree program of transferable courses open to all students. The program requirements are designed for those interested in art as professional practice and as preparation for transfer. The major has three components. The first component is a core of two required foundations fine arts studio courses. The second component is two required art history courses. The third component offers students choices in 10 emphasis areas. Students may select an emphasis in drawing, painting, sculpture, photography, printmaking, ceramics, art digital media, graphic design, art history, or metalsmithing, but are encouraged to choose within a wide range of these beginning courses for transfer. Fine arts faculty and staff are dedicated to assisting students in exploring job opportunities, internships, and transferring to four-year institutions of higher learning.

The DVC fine arts major is intended for transfer. Students who intend to transfer must consult with a program advisor or counselor to ensure that the requirements for transfer to four-year institutions of their choice are met. Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU Breadth). Option 1 (DVC General Education) is not generally advised.

To earn an associate in arts degree with a major in fine arts, students must complete each course used to meet a major requirement with a "C" or higher, maintain an overall GPA of 2.5 or higher in the coursework required for the major and complete all graduation requirements as listed in the catalog. Degree requirements may be completed by attending classes in the day, evening, or weekends. Some courses may satisfy both major and other graduation requirements; however, the units are only counted once.

<i>major requirements</i>	<i>units</i>
ART 105 Introduction to Drawing, Color, and Two Dimensional Design	3

ART 140 Introduction to Sculpture and 3-D Design..... 3

plus at least 6 units from:

ARTHS 193 History of Asian Art	3
ARTHS 195 History of Prehistoric and Ancient Art	3
ARTHS 196 History of Medieval and Renaissance Art	3
ARTHS 197 History of Baroque to Early 20th Century Art	3
ARTHS 199 Contemporary Art History.....	3

plus at least 12 units from a minimum of three areas of specialization:

art history*

ARTHS 193 History of Asian Art	3
ARTHS 195 History of Prehistoric and Ancient Art	3
ARTHS 196 History of Medieval and Renaissance Art	3
ARTHS 197 History of Baroque to Early 20th Century Art	3
ARTHS 199 Contemporary Art History.....	3

ceramics

ART 152 Wheel Thrown Ceramic Art.....	3
ART 155 The Art of Ceramic Sculpture	3
ART 156 Figurative Ceramic Art	3

digital media

ARTDM 112 Digital Imaging for the Artist	3
ARTDM 140 Motion Graphics for Digital Media.....	3
ARTDM 171 Web Design	3

drawing

ART 106 Drawing and Composition	3
ART 107 Figure Drawing I	3
ART 108 Figure Drawing II	3

graphic design

ARTDM 214 Introduction to Graphic Design.....	3
ARTDM 224 Typography.....	3

metalsmithing

ART 146 Metalsmithing and Jewelry I	3
ART 147 Metalsmithing and Jewelry II	3

painting

ART 120 Watercolor I	3
ART 126 Oil/Acrylic Painting I.....	3
ART 127 Oil/Acrylic Painting II.....	3

photography

ART 160 Black and White Photography I	3
ART 161 Black and White Photography II	3
ARTDM 136 Beginning Digital Photography	3

printmaking

ART 109 Printmaking: Monotype.....	3
ART 110 Introduction to Printmaking	3
ART 111 Printmaking: Etching	3

sculpture

ART 141 Sculpture I	3
ART 142 Metal Art I.....	3

total minimum required units 24

**Note: There may be no duplication of course units between specialty area requirements and elective courses.*

BIOLOGICAL SCIENCE – BIOSCI

Associate in science degree - Allied health

The associate in science degree with a major in allied health is a transfer degree for students who wish to transfer to a four year institution with a major in an allied health field. These fields include, but are not limited to, nursing, radiological sciences, physical therapy, occupational health, and dental hygiene. The degree offers students a broad general education, and provides basic knowledge in microbiology, human anatomy and physiology, and nutrition (as stated in the courses learning objectives). These are common prerequisites for above mention four-year majors, while also preparing students for more advanced allied health courses. Degree requirements for four-year programs differ from institution to institution, so students wishing to transfer to a particular four-year program should consult a counselor regarding specific course requirements for that particular program.

The DVC allied health major is intended for transfer. Students wishing to transfer must consult with a counselor regarding other courses in math, chemistry and physics that may be required by the four-year institution to which they intend to transfer. Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU Breadth). Option 1 (DVC General Education) is not generally advised.

To earn an associate in science degree with a major in allied health, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all graduation requirements as listed in the catalog. Major requirements may be taken only on a "for grade" basis. Certain courses may satisfy both a major and other DVC graduation requirements; however the units are only counted once.

<i>required courses</i>	<i>units</i>
BIOSC 139 Human Anatomy.....	5
BIOSC 140 Human Physiology	5
NUTRI 160 Nutrition: Science and Applications	3

plus at least 4 units from:

BIOSC 119 Fundamentals of Microbiology	4
BIOSC 146 Principles of Microbiology	5

plus at least 4 units from:

CHEM 108 Introductory Chemistry	4
CHEM 109 Introduction to Organic and Biochemistry	4
CHEM 120 General College Chemistry I.....	5

total minimum required units 21

Associate in science degree - Biology

The associate in science degree with a major in biology is designed as a two-year program that offers a broad general education background and an introduction to the basic principles of biology as well as the supporting knowledge of chemistry needed to fully understand and appreciate biology as specified by the learning objectives of the courses. The courses included in the major are also applicable to further study in the life sciences.

The DVC biology major is intended for transfer. Students wishing to transfer must consult with a counselor regarding other courses in math, chemistry and physics that may be required by the four year institution to which they intend to transfer.

Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU Breadth). Option 1 (DVC General Education) is not generally advised.

To earn an associate in science degree with a major in biology, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all graduation requirements as listed in the catalog. Certain courses may satisfy both a major and other DVC graduation requirements; however, the units are only counted once.

<i>required courses</i>	<i>units</i>
BIOSC 130 Principles of Cellular and Molecular Biology.....	5
BIOSC 131 Principles of Organismal Biology, Evolution and Ecology.....	5
CHEM 120 General College Chemistry I.....	5
CHEM 121 General College Chemistry II.....	5
total minimum required units	20

Associate in science degree - Environmental science

The associate in science degree in environmental science offers a distinctive program of interdisciplinary study. It is a field of inquiry exploring energy and climate systems and their complex relationships with the world's diverse human cultures. To achieve this goal, students and faculty work together across disciplines to develop an understanding of environmental sustainability in all its dimensions. The program focuses on current environmental concerns that have far-reaching implications for the fate of human society, ecological systems, and energy diversity. This involves an integration of knowledge from a variety of disciplines to understand the function of the ecological system and human impact upon these systems at a local, regional, and global scale.

DVC environmental science students who intend to transfer must consult with a program advisor or counselor to ensure that the requirements for transfer to four-year institutions of their choice are met. Students who intend to transfer are advised to select either General Education Option 2 (IGETC) or Option 3 (CSU Breadth). General Education Option 1 (DVC General Education) is appropriate for students who do not intend to transfer.

To earn an associate in science degree, students must complete each required course with a "C" grade or higher and complete all graduation requirements as listed in the catalog. Degree requirements can be completed by attending classes in the day, evening, online, or a combination of those. Certain classes may satisfy both major and other graduation requirements; however, the units are only counted once.

<i>required courses</i>	<i>units</i>
BIOSC 170 Environmental Science	3
ENGIN 130 Energy, Society, and the Environment.....	3
GEOG 140 Introduction to Weather	3
OCEAN 101 Fundamentals of Oceanography	3
PHYS 120 General College Physics I.....	4

plus at least 4 units from:

CHEM 108 Introductory Chemistry	4
CHEM 120 General College Chemistry I.....	5

plus a minimum of 9 units from:

ARCHI 120	Introduction to Architecture and Environmental Design	3
BIOSC 126	Nature Study and Conservation	4
COOP 170	Occupational Work Experience Education	1-4
ENSY 120	Introduction to Alternate Energy Systems.....	2
GEOG 127	Introduction to Global Positioning Systems ...	3
GEOG 130	Cultural Geography	3
MATH 182	Calculus for Management, Life Science and Social Science I.....	3
MATH 192	Analytic Geometry and Calculus I	4
PHYS 112	Fundamentals of Physical Science.....	3

total minimum required units 29

Associate in science degree - Life science

The associate in science degree with a major in life science is designed as a two-year program that offers a broad general education background and an introduction to the basic principles of biology and the supporting knowledge of chemistry needed to fully understand and appreciate biology. Furthermore, courses in three categories of life science are offered from which students select a minimum of twelve units. These categories emphasize I: Health science, II: Field sciences and III: Cellular and molecular biology.

The associate degree in life science is not designed to transfer as major preparation for a baccalaureate degree. DVC life science students who intend to transfer must consult with a program advisor or counselor to ensure that other major preparation courses in math, chemistry, physics and other transfer requirements at the four-year institutions of their choice are met. Students who intend to transfer are advised to select either General Education Option 2 (IGETC) or Option 3 (CSU Breadth). General Education Option 1 (DVC General Education) is appropriate for students who do not intend to transfer.

To earn an associate in science degree with a major in life science, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all DVC graduation requirements as listed in the catalog. Certain courses may satisfy both a major and other graduation requirements; however the units are only counted once.

<i>complete at least 4 units from:</i>	<i>units</i>
BIOSC 102 Fundamentals of Biological Science with Laboratory	4
BIOSC 117 Human Biology with Laboratory	4

or both

BIOSC 130 Principles of Cellular and Molecular Biology.....	5
---	---

and

BIOSC 131 Principles of Organismal Biology, Evolution and Ecology.....	5
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complete at least 4 units from:

CHEM 109 Introduction to Organic and Biochemistry	4
CHEM 120 General College Chemistry I.....	5

plus at least 12 units from the following areas of specialization; with a minimum of 3 units from each area.

health

BIOSC 120	Introduction to Human Anatomy and Physiology	5
BIOSC 139	Human Anatomy.....	5
BIOSC 140	Human Physiology	5
NUTRI 160	Nutrition: Science and Applications	3

field studies

BIOSC 126	Nature Study and Conservation	4
BIOSC 131	Principles of Organismal Biology, Evolution and Ecology.....	5
BIOSC 160	Introduction to Marine Biology	4
BIOSC 170	Environmental Science	3
BIOSC 171	Environmental Science with Laboratory.....	4
BIOSC 205	Introduction to Plant Biology	4
HORT 148	California Native Plants	1
OCEAN 101	Fundamentals of Oceanography	3
OCEAN 102	Fundamentals of Oceanography with Laboratory.....	4

cellular biology

BIOSC 119	Fundamentals of Microbiology	4
BIOSC 130	Principles of Cellular and Molecular Biology.....	5
BIOSC 146	Principles of Microbiology	5

total minimum required units 20

Certificate of achievement - Allied health

This program prepares the student for entry into some health professional programs or jobs in the medical field that do not require degrees. These courses provide some of the prerequisites for advanced training in the medical field for such occupations as nursing, dental hygiene, physical therapy, occupational therapy, medical laboratory technician, and radiological sciences.

To earn a certificate of achievement, students must complete the required courses with a "C" grade or higher. Course requirements are typically available in the day and evening. Students may also earn an associate in science degree in allied health.

Students who intend to transfer to a four-year program should consult with a counselor regarding course and program requirements.

<i>required courses</i>	<i>units</i>
BIOSC 139 Human Anatomy.....	5
BIOSC 140 Human Physiology	5
NUTRI 160 Nutrition: Science and Applications	3

plus at least 4 units from:

BIOSC 119 Fundamentals of Microbiology	4
BIOSC 146 Principles of Microbiology	5

plus at least 4 units from:

CHEM 108 Introductory Chemistry	4
CHEM 109 Introduction to Organic and Biochemistry	4
CHEM 120 General College Chemistry I.....	5

total minimum required units 21

Certificate of achievement - Allied health fundamentals

This program prepares the student for entry into some health professional programs or jobs in the medical field that do not require degrees. These courses provide some of the prerequisites for advanced training in the medical field for such occupations as nursing, dental hygiene, physical therapy, occupational therapy, medical laboratory technician, and radiological sciences.

To earn a certificate of achievement, students must complete the required courses with a "C" grade or higher. Course requirements are typically available in the day and evening. Students may also earn a certificate of achievement in allied health or an associate in science degree in allied health.

Students who intend to transfer to a four-year program should consult with a counselor regarding course and program requirements.

<i>required course</i>	<i>units</i>
BIOSC 120 Introduction to Human Anatomy and Physiology	5

plus at least 4 units from:

BIOSC 119 Fundamentals of Microbiology	4
BIOSC 146 Principles of Microbiology	5

plus at least 3 units from:

NUTRI 120 Sport Nutrition: Fueling the Athlete	3
NUTRI 160 Nutrition: Science and Applications	3

total minimum required units 12

CONSTRUCTION – CONST

Associate in science degree - Construction

Specializations:

- Construction management
- Construction and building inspection
- Construction and supervision and superintendency

Upon successful completion of one of the areas of specialization, the student will have the necessary knowledge and skills for a career in building or construction inspection, or for supervision responsibilities in the construction industry. This program is also valuable for those already employed in the field who wish to upgrade their skills.

To earn an associate in science degree with a major in construction, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all graduation requirements as listed in the catalog. A student is eligible for graduation with an associate in science degree after the satisfactory completion of one of three areas of specialization, graduation requirements and degree-applicable elective coursework for a total of 60 units. Degree requirements can be completed by attending classes in the day, the evening, or both. Certain courses may satisfy both major and other graduation requirements; however, the units are only counted once.

General Education Option 1 (DVC General Education) is appropriate for students who do not intend to transfer. DVC con-

struction students who intend to transfer must consult with a program advisor or counselor to ensure that the requirements for transfer to four-year institutions of their choice are met. Students who intend to transfer are advised to select either General Education Option 2 (IGETC) or Option 3 (CSU Breadth).

Students are limited to one associate in science degree in construction regardless of the number of specializations completed. Multiple certificates of achievement may be awarded.

construction management specialization

<i>required courses</i>	<i>units</i>
ARCHI 222 Architectural Practice and Working Drawings I	3
BUS 101 Business English	3
COMSC 100 Introduction to Computers and Information Systems	3
COMSC 100L Introduction to Computer Software	1
CONST 135 Construction Processes (Residential)	4
CONST 136 Construction Processes (Commercial)	4
CONST 144 Materials of Construction	3
CONST 244 Estimating - Residential	3
CONST 273 Construction Management	3
CONST 276 Legal Aspects of the Construction Industry	3
ENGIN 111 Mathematics for Technicians	4
PHYS 110 Elementary Physics	3
total minimum required units	37

construction and building inspection specialization

<i>required courses</i>	<i>units</i>
CONST 114 Blueprint Reading	3
CONST 124 Construction Details and Specifications	3
CONST 170 Fundamentals of Building Inspection	3
CONST 181 Building Code Interpretation: Non-Structural	3
CONST 182 Building Code Interpretation: Structural	3
CONST 183 Title 24: Energy Conservation Codes	3
CONST 191 Plumbing Code Interpretation	3
CONST 192 Mechanical Code Interpretation	3
CONST 266 Electrical Codes: Articles 90-398	3
CONST 267 Electrical Codes: Articles 400-830	3
CONST 273 Construction Management	3
total minimum required units	33

construction and supervision and superintendency specialization

<i>required courses</i>	<i>units</i>
BUS 101 Business English	3
BUSMG 120 Introduction to Management Studies	3
BUSMG 121 Practices and Concepts of Supervision	3
CONST 114 Blueprint Reading	3
CONST 116 Plane Surveying	3
CONST 124 Construction Details and Specifications	3
CONST 244 Estimating – Residential	3
CONST 245 Estimating – Commercial	3
CONST 273 Construction Management	3
CONST 276 Legal Aspects of the Construction Industry	3

plus at least 3 units from:

CONST 110	Occupational Safety.....	2
CONST 136	Construction Processes (Commercial).....	4
CONST 181	Building Code Interpretation: Non-Structural.....	3
COOP-170	Occupational Work Experience Education.....	1-4
total minimum required units		36

CHANGED CERTIFICATE PROGRAMS AND ASSOCIATE DEGREES - effective fall 2010

Note:
Changes are underlined. Deletions are indicated by ~~strike through~~.

DENTAL ASSISTING – DENTL

Possible career opportunities

~~While most dental assistants find employment in dental offices, opportunities for employment also exist in clinics and hospitals, insurance agencies, dental x-ray laboratories, and supply houses. The dental assisting program provides an excellent path for those interested in a variety of positions in the dental field. With training from the program, students can choose a profession as a dental technician, a small business owner in the dental field, a marketing agent for a commercial laboratory, or a sales representative for a dental supplier. Dental assisting students can also choose to continue their education to become a dental hygienist or a dentist.~~

The dental assisting program provides an excellent path for those interested in a variety of professions in the dental field. The Diablo Valley College dental assisting program prepares students to work in a dental office as an essential member of the dental team. Employment opportunities for the graduates include, but are not limited to: chairside assistant or front office administrator for dental offices or clinics, x-ray technician for dental radiation laboratories, agent for dental insurance companies, lab technician for dental laboratories, product representative for dental product manufacturers or marketing agent for dental supply companies. The DVC dental assisting program is approved by the Dental Board of California and accredited by the American Dental Association (ADA). This qualifies the student upon graduation to take state as well as national board examinations to become a licensed Registered Dental Assistant in California (RDA) and a Certified Dental Assistant (CDA). Other options for continuing education and licensing allow Registered Dental Assistant to specialize and become a Registered Dental Assistant in Extended Functions (RDAEF). Other career options include study to become a Registered Dental Hygienist (RDH), or a dentist (DDS or DMD).

Associate in science degree - Dental assisting

The associate in science program in dental assisting prepares students for administrative support and chair side assisting in dental offices, hospitals and clinics, insurance agencies, dental x-ray laboratories and supply houses. The program of classroom instruction and clinical experience, along with general education, leads to the associate degree in dental assisting. To earn a degree, students must complete each course required for the major with a "C" grade or higher and complete all graduation requirements as listed in the catalog. Major requirements for dental assisting courses are only available in the day. General education courses are available in the day or evening.

The required dental assistant program classes are taught during the day; however, the general education courses required for the certificate or degree may be taken in the evening or at an alternate location.

The Diablo Valley College dental assisting program is accredited approved by the Dental Board of California and accredited by the Commission on Dental Accreditation of the American Dental Association (ADA), and the United States Department of Education. Students completing the degree or certificate program in dental assisting are eligible to take the California State written and practical examination and obtain their Registered Dental Assisting (RDA) license and take their national Certified Dental Assistant examination to become a Certified Dental Assistant (CDA). Registered Dental Assistant examination and the national Certified Dental Assistant examination.

Selected classes may meet lower division requirements for a bachelor's degree at selected campuses of CSU or the Bachelor of Arts at private universities. Consult with college counselors for more information.

The 11 month program is scheduled to begin each fall term in August and the dental assisting courses will be completed by the middle of June. The two terms and two week summer session include classroom instruction as well as clinical experience in the DVC dental clinic, UOP Dental School and various dental offices.

In addition to the dental assisting classes the program requires nine units of general education that must be completed prior to applying to take the state license and national examinations.

To be eligible for enrollment in the dental assisting program, students must complete the prerequisite course DENTL 120 (six-hour course), which is offered in the first two weeks of June. Students in the program must complete a health care provider cardiopulmonary resuscitation with AED course and have a valid copy of their certification card on file in the dental assistant Office department by January of their second semester the first day of class in August.

Associate degree requirements generally can be completed in two years of full time-study. Some courses may meet lower division requirements for a bachelor's degree at selected campuses of CSU or the bachelor in arts degree in health administration at private universities. Interested students should consult with the dental instructors or with the college counselors for more information.

To earn an associate in science degree with a major in dental assisting, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all graduation requirements as listed in the catalog. Certain courses may satisfy both major and other graduation requirements: however, the units are only counted once.

<i>program prerequisite</i>	<i>units</i>
DENTL 120 Orientation to the Registered Dental Assisting Program.....	0.3

Note: It is strongly recommended to complete one of the required General Education English courses prior to entering the registered dental assisting program in the fall term. Refer to General Education courses below.

<i>required courses</i>	<i>units</i>
DENTL 171 Oral Facial Structures and Body Systems.....	4
DENTL 172 Dental Radiography I.....	2.5
DENTL 173 Dental Operative Procedures I.....	3
DENTL 174 Dental Materials and Laboratory Procedures.....	3
DENTL 175 Infection Control, Oral Documentation and Theories of Dental Assisting.....	3
DENTL 180 Office Management.....	3
DENTL 181 Dental Emergencies, Pharmacology and Oral Pathology.....	2
DENTL 182 Dental Radiography II.....	2.5
DENTL 183 Advanced Dental Operative Procedures.....	4.5
DENTL 184 Clinical Experience.....	7
DENTL 191 Pit and Fissure Sealants for the RDA.....	1.5
ENGL 122* Freshman English: Composition and Reading.....	3
PSYCH 122* Psychology in Modern Life.....	3
SPCH 121* Persuasion and Critical Thinking.....	3

total minimum required units 43.8 45.3

*Students are expected to take one or two of these courses in the summer prior to entering the program.

Certificate of achievement - Dental assisting

This program prepares students for administrative support and chair side assisting in dental offices, hospitals and clinics, insurance agencies, dental x-ray laboratories and supply houses. The program of classroom instruction and clinical experience leads to the certificate of achievement in dental assisting. To earn a certificate, students must complete each course used to meet a certificate requirement with a "C" grade or higher. Requirements for dental assisting courses are only available in the day. However, required general education courses are available in the day or evening.

The dental assisting program is accredited by the Commission on Dental Accreditation of the American Dental Association, and the United States Department of Education. Students completing the certificate are eligible to take California's Registered Dental Assistant examination and the national Certified Dental Assistant examination.

Selected classes may meet lower division requirements for the bachelor degree at selected campuses of CSU or the bachelor of arts in health administration in private universities. Consult with college counselors for more information.

To be eligible for enrollment in the dental assisting program, students must complete the specified prerequisite course DENTL 120 (6 hour course), which is offered in the first two weeks of June. Students in the program must complete a health care provider cardiopulmonary resuscitation course and have a valid copy of the certification card on file in the Dental Assisting Office by January of their second semester.

<i>program prerequisite</i>	<i>units</i>
DENTL 120 Orientation to the Registered Dental Assisting Program.....	0.3

Note: It is strongly recommended to complete one of the required General Education English courses prior to entering the registered dental assisting program in the fall term. Refer to General Education courses below.

<i>major requirements</i>	<i>units</i>
DENTL 171 Oral Facial Structures and Body Systems.....	4
DENTL 172 Dental Radiography I.....	2.5
DENTL 173 Dental Operative Procedures I.....	3
DENTL 174 Dental Materials and Laboratory Procedures.....	3
DENTL 175 Infection Control, Oral Documentation and Theories of Dental Assisting.....	3
DENTL 180 Office Management.....	3
DENTL 181 Dental Emergencies, Pharmacology and Oral Pathology.....	2
DENTL 182 Dental Radiography II.....	2.5
DENTL 183 Advanced Dental Operative Procedures.....	4.5
DENTL 184 Clinical Experience.....	7
DENTL 191 Pit and Fissure Sealants for the RDA.....	1.5

plus at least 3 units from:

BUS 101* Business English.....	3
ENGL 118* College Writing Development.....	3
ENGL 122* Freshman English: Composition and Reading.....	3

plus at least 3 units from:

PSYCH 101* Introduction to Psychology.....	3
PSYCH 122* Psychology in Modern Life.....	3

plus at least 3 units from:

SPCH 120* Fundamentals of Speech.....	3
SPCH 121* Persuasion and Critical Thinking.....	3
SPCH 128* Interpersonal Communication.....	3

total minimum required units 43.8 45.3

* Students are expected to take one or two of these courses in the summer prior to entering the program. Those considering applying to the dental hygiene program are required to take English 122, Psychology 122 and Speech 121 unless they hold a baccalaureate degree or higher.

recommended course

DENTL 110 Overview of the Dental Profession.....	1.5
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(Offered mid-spring term)

PHYSICAL EDUCATION THEORY – PETHE

Certificate of achievement - Fitness instruction/personal training

The fitness instruction/personal training certificate program is a one-year course of study that prepares students to obtain entry-level employment as a personal trainer or group exercise instructor. All students will complete the core courses as indicated and then choose either the personal trainer or group exercise option. Completion of the certificate requirements will also prepare students to sit for one of the national personal training or group exercise instructor examinations.

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. Courses are available in the day and evening.

<i>required courses</i>	<i>units</i>
HSCI 230 Advanced First Aid and CPR	3
PETHE 259 Sports and Exercise Psychology	3
PETHE 281 Principles of Optimizing Human Performance.....	3
PETHE 282 Exercise Techniques and Physical Fitness Testing	1
PETHE 284 Introduction to Sports Medicine and Athletic Training.....	3

*plus at least 3 units from: **

NUTRI 115 Nutrition and Health: Personal Applications ..	3
NUTRI 120 Sports Nutrition: Fueling the Athlete.....	3
NUTRI 160 Nutrition: Science and Applications	3

emphasis requirements: All students will complete the core courses above and also select an area of emphasis below

personal training emphasis

PETHE 291 Professional Aspects of Personal Training and Fitness Instruction.....	3
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plus at least 2 units from:

PE 122 Fitness Center – Strength Training	0.5-2
PE 125 Power Lifting.....	0.5-2
PE 135 Power Lifting for Women.....	0.5-2
PETHE 291 Professional Aspects of Personal Training and Fitness Instruction.....	3

group exercise emphasis

PETHE 293 Professional Aspects of Group Exercise Instruction.....	2
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plus 2 units from a minimum of two courses from:

PE 107 Stretch and Yoga for Sports	0.5-2
PE 108 Beginning Hatha Yoga.....	0.5-2
PE 115 Body Sculpt.....	0.5-2
PE 116 Step Aerobics.....	0.5-2
PE 120 Physical Fitness.....	0.5-2
PE 121 Aerobics	0.5-2
PE 126 Super Circuit.....	0.5-2
PE 127 Hips, Thighs and Abs	0.5-2
PE 128 Cardio Kickboxing.....	0.5-2
PE 129 Stationary Cycling	0.5-2
PE 195 Plyometrics and Agility Training for Female Athletes.....	0.25-1
PEDAN 128 Pilates Mat Work	0.5-2

total minimum required units 20

COURSES ADDED - effective spring 11

ECONOMICS – ECON

ECON-255 Topics in Economics

- .3-4 units SC
- *May be repeated three times*
- *Variable hours*

A supplemental course in economics to provide a study of current concepts and problems in economics and related substantive areas. Specific topics will be announced in the schedule of classes. CSU

PHYSICAL EDUCATION INTERCOLLEGIATE– PEIC

**PEIC-098 Intercollegiate Pre-Participation
Orientation**

- .3 unit P/NP
- *Non degree applicable*
- *5 hours lecture per term*

This is a course preparing new students, intending to try-out/compete for an intercollegiate athletic team, for the upcoming academic semester and season of competition. Students will complete the California Community College Athletic Association's (CCCCAA) athletic eligibility requirements, complete medical forms and waivers, register for the NCAA Clearinghouse, and fulfill other requirements for community college athletic competition.

PEIC-110 Student-Athlete Success I

- 2 units SC
- *27 hours lecture/36 hours laboratory per term*

This course is designed to prepare the first year student-athlete for intercollegiate competition and academic achievement. Topics for this class will include, but are not limited to, eligibility, college academic resources, personal responsibility issues, and opportunities after DVC. CSU

PEIC-111 Student-Athlete Success II

- 2 units SC
- *27 hours lecture/36 hours laboratory per term*

This course is designed to further assist student-athletes toward degree completion, transfer, and/or professional employment while competing in intercollegiate athletics. Topics for this class will include, but are not limited to, transfer and athletic eligibility requirements for four year schools, the recruiting process, completing the application and/or professional employment process, scholarships and financial aid, leadership training, and personal responsibility for life success. CSU

COURSES DELETED - effective fall 10

ANTHR-150
COUNS-115
MATH-065
PE-144
PORT-150
TAGLG-150

COURSES CHANGED - effective spring 11

Note:
Changes are underlined. Deletions are indicated by ~~strike through~~.

ARCHITECTURE – ARCHI

ARCHI-120 Introduction to Architecture and Environmental Design

- 3 units LR
- 36 hours lecture/72 hours laboratory per term
 - Note: Students considering architecture as their major are recommended to concurrently enroll in ARCHI 135 Digital Tools for Architecture.

Introduction to the professional field of architecture, architectural design and planning. Investigation and evaluation of the architectural environment with identification and utilization of a creative design process. Study of the use of line, shape, form, texture, light, color, scale, and structure in relation to the creation of architectural space. CSU, UC (credit limits may apply to UC - see counselor)

ART – ART

ART-106 Drawing and Composition

- 3 units SC
- May be repeated once
 - 36 hours lecture/72 hours laboratory per term
 - Recommended: ART 105 or equivalent; eligibility for ENGL 116/118 or equivalent
 - Note: ART 106 is equivalent to ART 106A and ART 106B combined.

An exploration of drawing concepts, descriptive drawing, and logical form rendering with an emphasis on stylistic development. Students will explore additional color media such as pastel and prismacolor pencils. CSU, UC

ART-110 Introduction to Printmaking

- 3 units SC
- May be repeated once
 - 36 hours lecture/72 hours laboratory per term
 - Recommended: ART 105 or equivalent; eligibility for ENGL 116/118 or equivalent

An introduction to various printmaking techniques: monotype, collagraph, dry point, linoleum cut. CSU, UC

ART-152 Wheel Thrown Ceramic Art

- 3 units SC
- May be repeated once
 - 36 hours lecture/72 hours laboratory by arrangement per term
 - Recommended: Eligibility for ENGL 116/118 or equivalent

This course is an introduction to the creation of ceramic vessels on the potter's wheel and the development of critical thinking skills through the examination of ceramic art. Through the study of the art of various western and non western cultures, the fundamentals of three-dimensional design and the development of a vocabulary of aesthetic terms and theories students will engage in both critical discussion and creative application utilizing the potter's wheel. CSU, UC

ART-153 Wheel Thrown Ceramic Art II

- 3 units SC
- May be repeated once
 - 36 hours lecture/72 hours laboratory per term
 - Recommended: ART 152 or equivalent; eligibility for ENGL 116/118 or equivalent

This intermediate wheel throwing class is geared towards further developing the skill of students who already have the grasp of the techniques of making vessels on the potter's wheel. Through the examination of historical and contemporary ceramic genres and the development of technical skills, including glaze experimentation, students will construct complex, wheel-thrown forms. The fundamentals of three-dimensional design will be used to develop a personal aesthetic, and also to guide critique of finished forms. CSU, UC

ART-154 Hand-Build Ceramic Art

- 3 units SC
- May be repeated two times
 - 36 hours lecture/72 hours laboratory per term
 - Recommended: Eligibility for ENGL 116/118 or equivalent

Using functional objects as a starting point, students will learn traditional and contemporary hand-building techniques. Students will then explore the creative potential of these methods during the construction of ceramic vessels. CSU, UC

ART-155 The Art of Ceramic Sculpture

- 3 units SC
- May be repeated once
 - 36 hours lecture/72 hours laboratory per term
 - Recommended: Eligibility for ENGL 116/118 or equivalent

Students will examine various western and non-western cultures, learn the fundamentals of three-dimensional design and develop a vocabulary of aesthetic terms and theories for both critical discussion and creative application producing ceramic sculpture. CSU, UC

ART-156 Figurative Ceramic Art

3 units SC

- *May be repeated two times*
- *36 hours lecture/72 hours laboratory per term*
- *Recommended: Eligibility for ENGL 116/118 or equivalent*

Students will explore the artistic potential of the human figure through the ceramic medium. Students will analyze a broad range of aesthetic styles and philosophies and synthesize a variety of construction and firing techniques relevant to their creative projects. CSU, UC

ART DIGITAL MEDIA – ARTDM

ARTDM-110 Digital Imaging Process and Technique I

1.5 units SC

- *18 hours lecture/27 hours laboratory per term*
- *Note: Basic computer editing and file management skills. Credit by Examination option available.*

This course covers basic design concepts, processes, and aesthetic interpretation of making digital imagery. The course will provide students with experience creating computer graphics and with experience in editing digital images from scanned photographs and digital photography. CSU

ARTDM-111 Digital Imaging Process and Technique II

1.5 units SC

- *May be repeated once*
- *18 hours lecture/27 hours laboratory per term*
- *Recommended: ARTDM 110 or equivalent*

This course builds on the introductory concepts of digital imaging and covers design concepts, processes, and aesthetic interpretation of making digital imagery. Students will learn advanced digital imaging techniques and will be further exposed to design and composition. CSU

ARTDM-130 Introduction to Digital Audio

1.5 units SC

- *May be repeated once*
- *18 hours lecture/27 hours laboratory per term*
- *Note: Basic computer editing and file management skills*

This is an introductory course about the application of audio to various forms of digital media. The course covers how to capture, edit and create digital audio for CD-ROM, DVDs, video and the Internet. The course will involve hands-on work with a variety of digital workstations and multimedia software applications. CSU

ARTDM-145 Digital Editing

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*
- *Note: Same as FILM 165 and BCA 165*

An introduction to the techniques, concepts and aesthetics of digital non-linear, computerized editing for film, television and digital media. The student will become familiar with various professional software programs and develop an understanding of organization, timelines and story as well as editing for visual and audio effect. CSU

ARTDM-149 Introduction to Digital Video

1.5 units SC

- *May be repeated once*
- *18 hours lecture/27 hours laboratory per term*
- *Note: Basic computer editing and file management skills*

This is an introductory course about the application of video to various forms of digital media. The course covers how to capture, edit and create digital video for DVDs and the Internet. The course will involve hands-on work with a variety of digital workstations and multimedia software applications. CSU

ARTDM-224 Typography

3 units SC

- *May be repeated once*
- *36 hours lecture/54 hours laboratory per term*
- *Recommended: Eligibility for ENGL 122 or equivalent*

Fundamentals of typography including history, theory, and practice, study of letterforms and type design. Emphasis is on the vocabulary of typographic form and its relationship to message and purpose. CSU, UC

BROADCAST COMMUNICATION ARTS – BCA

BCA-165 Digital Editing

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*
- *Note: Same as FILM 165 and ARTDM 145*

An introduction to the techniques, concepts and aesthetics of digital non-linear, computerized editing for film, television and digital media. The student will become familiar with various professional software programs and develop an understanding of organization, timelines and story as well as editing for visual and audio effect. CSU

COOPERATIVE EDUCATION – COOP

COOP-160 General Work Experience Education

1-3 units SC

- *May be repeated three times*
- *Variable hours*
- *Note: In order to enroll in a COOP course, students must be employed, register for the course, complete an online Employment Form, participate in an orientation, and receive approval from Career and Employment Services. Students may earn 1 unit for 5 hours work per week or 75 hours work per term. Does not meet requirements for veterans' benefits. Employment Form can be accessed at www.dvc.edu/coop. Incomplete grades are not awarded for COOP. Students may repeat to a maximum of 16 units; an appeal will be required after 3 repetitions.*

COOP 160 is supervised employment for students whose jobs do not relate to their college major or area of career interest. Under the supervision of a college instructor, students will acquire employability skills, desirable work habits, and career awareness through on-the-job and other learning experiences. CSU

COOP-170 Occupational Work Experience Education

1-4 units SC

- May be repeated three times
- Variable hours
- Note: In order to enroll in a COOP course, students must be employed, register for the course, complete an online Employment Form, participate in an orientation, and receive approval from Career and Employment Services. Students may earn 1 unit for 5 hours work per week or 75 hours work per term. Employment Form can be accessed at www.dvc.edu/coop. Incomplete grades are not awarded for COOP. Students may repeat to a maximum of 16 units; an appeal will be required after 3 repetitions.

COOP 170 is supervised employment that extends classroom learning to the job site and relates to the student's chosen field of study or area of career interest. Under the supervision of a college instructor, students will engage in on-the-job and other learning experiences that contribute to their employability skills and occupational or educational goals. CSU

COOP-170A Internship in Occupational Work Experience Education

1-4 units SC

- May be repeated three times
- Variable hours
- Note: In order to enroll in the COOP 170A course, students must be interning or volunteering, register for the course, complete an online Employment Form, participate in an orientation, and receive approval from Career and Employment Services. Students may earn 1 unit for 5 hours work per week or 75 hours work per term (paid work) or 1 unit for 4 hours work per week or 60 hours work per term (unpaid work). Employment Form can be accessed at www.dvc.edu/coop. Incomplete grades are not awarded for COOP. Students may repeat to a maximum of 16 units; an appeal will be required after 3 repetitions.

COOP 170A is a supervised internship in a skilled or professional level assignment in the student's major field of study or area of career interest. Under the supervision of a college instructor, students will engage in on-the-job and other learning experiences that contribute to their employability skills and occupational or educational goals. Internships may be paid, non-paid, or some partial compensation provided. CSU

DENTAL ASSISTING – DENTL

DENTL-190 Ultra Sonic Scaling for Orthodontic Procedures for the RDA

1 unit LR

- 9 hours lecture/18 hours laboratory per term
- Prerequisite: DENTL 183 and current American Heart Association or American Red Cross Basic Life Support with Defibrillator Certificate or equivalents
- Note: Current enrollment in the DVC Registered Dental Assisting program, current TB clearance, hepatitis immunization and/or titer, tetanus vaccination, malpractice insurance, and current CPR Certificate (Basic Life Support for Healthcare Provider with AED) are required.

Theory and utilization of an ultrasonic scaler for the removal of excess supragingival cement from the coronal surfaces of teeth undergoing orthodontic treatment as described by the Dental Board of California. Emphasis will be placed on following standard precautionary principles and infection control protocols before, during and after the procedure. CSU

DRAMA – DRAMA

DRAMA-124 Advanced Principles of Acting

6 units SC

- 108 hours lecture per term
- Prerequisite: DRAMA 122 and DRAMA 123 or equivalents; audition required.

The study of acting with extensive participation in the performance of selected scenes from contemporary realism. Special emphasis is placed on script analysis, personalization, intensive listening and interaction modes with partners. The course covers an organic approach to acting training based on the principles of Constantin Stanislavski. CSU, UC

DRAMA-126 Acting on Camera

3 units SC

- 36 hours lecture/54 hours laboratory per term
- Prerequisite: DRAMA 122 and DRAMA 123 or equivalents

This course covers practical training and practice in acting on camera for the performer. Close attention will be paid to those techniques of acting that have special application to performing in television and film. CSU, UC

DRAMA-200 Introduction to Technical Theater

3 units SC

- 54 hours lecture per term
- Co-requisite: DRAMA 201 or equivalent

Introduction to technical theater will provide students with a theoretical as well as a practical overview of the elements of technical theater. These would include the following: safety precautions, stage management, stage design, scenery, lighting, sound, acting, make-up, and costuming. Also included will be the discussion of job opportunities in theater. CSU, UC

DRAMA-230 Directing Projects

1-2 units SC

- May be repeated once
- Variable hours
- Recommended: Concurrent enrollment in DRAMA 130 or equivalent; eligibility for ENGL 122 or equivalent

This course is a practical application of DRAMA 130; the preparation of a scene or one act from script selection through performance. Students will cast, rehearse, and stage a variety of scenes or one acts; projects may culminate in limited public performance. Emphasis is placed on the director-actor relationship and creating effective staging. May include original (not previously published) material. CSU, UC (credit limits may apply to UC - see counselor)

EARLY CHILDHOOD EDUCATION – ECE

ECE-124 Child Development and Psychology

3 units SC

- 54 hours lecture per term
- Recommended: Eligibility for ENGL 122 or equivalent
- Note: Meets the State Department of Social Services Licensing requirement for DSS-1 Child/Human Growth and Development

This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children from conception through adolescence. Emphasis is on the principal theories and supporting data basic to the understanding of child development. CSU, UC

ECE-156 Topics for Caregivers of Children in Out-of-Home Placement 0-5 Years

.3-4 units P/NP

- May be repeated three times
- Variable hours

A supplemental course in foster care education of children aged 0-5 to provide a study of current concepts and problems in foster care and related subdivisions. Specific topics will be announced in the schedule of classes. CSU

ECE-157 Topics for Caregivers of Children in Out-of-Home Placement I

.3-4 units P/NP

- May be repeated three times
- Variable hours

This supplemental course in foster care education of children aged 6-11 to provide a study of current concepts and problems in foster care and related subdivisions. Specific topics will be announced in the schedule of classes. CSU

ECE-158 Topics for Caregivers of Children in Out-of-Home Placement II

.3-4 units P/NP

- May be repeated three times
- Variable hours

A supplemental course in foster care education of children aged 12-18 years to provide a study of current concepts and problems in foster care and related subdivisions. Specific topics will be announced in the schedule of classes. CSU

ENGLISH AS A SECOND LANGUAGE – ESL

ESL-067 ESL: Introduction to College English Skills

2 units P/NP

- May be repeated once
- Non degree applicable
- 18 hours lecture/54 hours laboratory per term
- Note: ESL assessment process before entering is recommended

This course is designed for students for whom English is a second language at the introductory level who need to improve their speaking, listening, reading and writing skills to prepare them for entry into more advanced courses in the ESL program.

The goals of the course are to develop and improve English language skills and to introduce students to the college environment.

ENGLISH – ENGL

ENGL-126 Critical Thinking: The Shaping of Meaning in Language

3 units LR

- 54 hours lecture per term
- Prerequisite: ENGL 122 or equivalent

This course will focus on the development of logical reasoning, analysis of primarily expository and persuasive texts, and analytical and argumentative writing skills. It is designed to develop critical thinking, reading, and writing skills beyond the level expected in ENGL 122. This course will concentrate on how expository texts make their arguments as demonstrated through higher levels of critical thinking such as analysis, synthesis and evaluation. CSU, UC

ENGL-154 Shakespeare and His World

3 units SC

- 54 hours lecture per term
- Recommended: ENGL 122 or equivalent

This course will focus on the language, structure, characterization, and philosophy of Shakespeare's plays. The historical, social, and artistic forces which helped to shape his works during the Elizabethan and Jacobean ages will be discussed. The relationship between Shakespeare's work as literature will be examined by close analysis, and as performing arts, experienced in theater, film, opera, or television. CSU, UC

FILM – FILM

FILM-165 Digital Editing

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- Note: Same as BCA 165 and ARTDM 145

An introduction to the techniques, concepts and aesthetics of digital non-linear, computerized editing for film, television and digital media. The student will become familiar with various professional software programs and develop an understanding of organization, timelines and story as well as editing for visual and audio effect. CSU

JAPANESE – JAPAN

JAPAN-130 First Term Kanji

3 units SC

- 54 hours lecture per term
- Recommended: JAPAN 120 or equivalent

This course is an intensive study of Kanji characters to enhance competence in reading and writing Japanese in daily life situations. Examples include reading and comprehending simple essays and articles, and understanding a variety of advertisements. The course will cover up to 169 characters. CSU

JAPAN-131 Second Term Kanji

3 units SC

- 54 hours lecture per term
- Recommended: JAPAN 130 or equivalent

This course is designed for those who have taken JAPAN 130 or who have the equivalent knowledge and skills. Students will further develop their competence in reading and writing Japanese. Examples include reading more complicated essays and letters, and understanding maps, road signs, and TV programs. The course will cover up to 345 characters. CSU

JAPAN-132 Third Term Kanji

3 units SC

- 54 hours lecture per term
- Recommended: JAPAN 131 or equivalent

This course is designed for those who have taken JAPAN 131 or who have the equivalent knowledge and skills. Students will improve their advanced competence in reading and writing Japanese. Examples include reading and comprehending intermediate-level essays and understanding the pamphlets for travel, train timetables, and newspaper headlines. The course will cover up to 500 characters. CSU

JOURNALISM – JRNAL

JRNAL-120 Newswriting Techniques

3 units SC

- 54 hours lecture per term
- Recommended: ENGL 118 or equivalent

This course introduces students to journalism reporting and writing for print, online and the broadcast media. It includes detail, exercising news judgment and crafting professional-style blogs. The course also covers sensitivity to multicultural issues and explores libel laws and media ethics. Students will learn how to write strong lead sentences, how to organize their findings into lively and informative stories, and how to write and revise their work on deadline. On occasion, their work will be published in the college's student newspaper, The Inquirer, or its online news site. CSU

JRNAL-126 Newspaper Production Laboratory

1-3 units SC

- May be repeated three times
- Variable hours
- Recommended: ENGL 116 or equivalent
- Note: This is an open entry/open exit course

This laboratory class serves as the production class for the print and web editions of the college's student newspaper, The Inquirer. The student-run newspaper is a frequent winner of General Excellence awards from the Journalism Association of Community Colleges, with its editors and staff members transferring to four-year schools and later working as media professionals. The class introduces students to all aspects of print and online production, including assigning, researching and writing stories; taking photographs and video; cartooning; creating podcasts, slide shows and graphics; designing print and web pages; and working with a local printer. Staff writers learn basic and

advanced reporting techniques, as well as how to write strong leads, organize their stories and write and revise on deadline for print and the web. Photographers and graphic artists learn to prepare their work on a networked server for both platforms. Editors and staff members must exercise news judgment, adhere to the highest ethical principles and be vigilant about accuracy. They also exercise their First Amendment responsibilities by allowing The Inquirer to be a First Amendment forum for the diverse views of the DVC community. This is an open-entry, open-exit course. CSU

JRNAL-160 Writing the Feature Story

3 units SC

- 54 hours lecture per term
- Recommended: ENGL 118 or equivalent
- Formerly JRNAL 150

This course equips students to research, write and market feature stories in the changing writing market. Students learn the differences in writing for newspapers, magazines and the growing Internet market. The first seven weeks focus on basic skills necessary in all feature writing, including choosing and focusing a subject, interviewing and leads. Students learn to evaluate the trustworthiness of websites and use Internet sources. Other lectures discuss media law, including libel and copyright, especially as related to the Internet, how to locate a market and how to write a query letter. Students choose and develop two major features and market to appropriate venues. CSU

LIBRARY STUDIES – L AND LS

L-150 Topics in Library Technology

3-4 units SC

- May be repeated three times
- Variable hours
- Recommended: Eligibility for ENGL 122 or equivalent

A supplemental course in Library to provide a study of current concepts and problems in library technology. Specific topics will be announced in the schedule of classes. CSU

MATHEMATICS – MATH

MATH-050 Alternate Credit for Prealgebra with Arithmetic Review

4 units P/NP

- May be repeated two times
- Non-degree applicable
- 54 hours lecture/72 hours laboratory by arrangement per term
- Recommended: MATH 065 or equivalent
- Note: Students do not enroll directly in this course. Enrollment is limited to transfer by instructor.

This course is designed to allow students who are enrolled in MATH 075SP to receive non-degree applicable credit for mastery of some but not all of the outcomes in MATH 075SP. In order to receive credit for MATH 050, students must enroll in MATH 075SP and make reasonable progress through the content.

MATH-075 Prealgebra with Arithmetic Review

4 units SC

- *Non-degree applicable*
- *72 hours lecture/36 hours laboratory by arrangement per term*
- *Recommended: MATH-065 or equivalent*
- *Note: This course has a lab requirement (see hours by arrangement in course listing), representing a significant portion of your course grade. Labs require computer and internet access, but may be completed in any location with such access, on or off campus.*

Students will learn pre algebra, review arithmetic, and learn how to use them in their daily lives. Topics include the arithmetic operations, long multiplication and division, decimals, fractions, percents, signed numbers, natural number exponents, order of operations, introduction to the concept of variables, combining like terms, solving linear equations, application problems and the use of geometric formulas.

MATH-075SP Prealgebra with Arithmetic Review— Self Paced

4 units SC

- *Non-degree applicable*
- *54 hours lecture/72 hours laboratory by arrangement per term*
- *Recommended: MATH-065 or equivalent*
- *Note: In this computer-assisted self-paced class, students study out of the textbook and online and take a combination of online and in-class exams. This course has a lab requirement (see hours by arrangement in course listing). The labs may require computer access. 50% of your lab hours must be completed in the DVC Math Lab, and the rest may be completed in any location with computer access, on or off campus. Students may choose to complete MATH 075SP in one semester, or take up to 4 semesters. MATH 075SP is equivalent to MATH 075; students who have completed MATH 075 will not receive credit for MATH 075SP.*

This course is a computer-assisted self-paced class equivalent to MATH 075. Students will learn prealgebra, review arithmetic, and learn how to use both in their daily lives. Topics include arithmetic operations, long multiplication and division, decimals, fractions, percents, signed numbers, natural number exponents, order of operations, introduction to the concept of variables, combining like terms, solving linear equations, application problems and the use of geometric formulas.

MUSIC – MUSIC

MUSIC-135 Vocal Jazz Ensemble

1 unit SC

- *May be repeated three times*
- *54 hours lecture per term*
- *Prerequisite: Audition*
- *Formerly MUSPF 135*

This course is for the study, rehearsal and public performance of standard vocal jazz ensemble literature for mixed voices. New literature will be studied each semester to address different technical and artistic issues. CSU, UC

MUSIC-290 DVC Philharmonic Orchestra

1 unit SC

- *May be repeated three times*
- *54 hours lecture per term*
- *Prerequisite: Audition*
- *Note: The number of players per instrumental section is determined by instrumentation of the literature being studied and/or by standard orchestral proportions. Students not admitted to the orchestra will be directed to other music performance classes.*
- *Formerly MUSPF 290*

This course is for the study, rehearsal, and public performance of the standard Western classical orchestral literature along with new orchestral compositions. New literature will be studied each semester so that different technical and artistic issues are addressed. CSU, UC

PSYCHOLOGY – PSYCH

PSYCH-230 Abnormal Psychology

3 units SC

- *54 hours lecture per term*
- *Recommended: Eligibility ENGL 122 or equivalent*

This course is a study of the symptoms, causes, treatments, and prevention of psychological disorders. Multiple theoretical perspectives are used to examine the biological, psychological, and social factors creating abnormality. The course examines the Diagnostic and Statistical Manual of Mental Disorders (DSM) classification system, cultural and gender differences in abnormality, current issues, and case illustrations of behavioral disorders. CSU, UC