

The Associate Degree

On the recommendation of the faculty, the colleges of the San Diego Community College District award the Associate in Arts degree or the Associate in Science degree.

The Associate in Arts degree is awarded in the social sciences, humanities, the arts, and similar disciplines. The Associate in Science degree is awarded in engineering, physical and biological sciences, and occupational curricula.

All Degrees Have the Following Requirements in Common

Minimum Units in Residence

A minimum of 12 semester units must be completed in residence at the college granting the degree.

The 12-unit in residence requirement is effective for all degrees awarded regardless of catalog year.

Major/Area of Emphasis Requirements

- Eighteen semester units or more are required.
- Six semester units must be completed at City, Mesa, or Miramar College. Refer to the Degree Curricula and Certificate Programs section of this catalog for specific requirements for each major.
- Only one course in a student's major discipline may be used to meet the San Diego Community College District's general education requirements with the exception of Liberal Arts and Sciences degrees.

Recency of Coursework Limitation:

Academic departments may require that courses for the major be completed within a specified period of time prior to the granting of the Associate Degree, Certificate of Achievement, or Certificate of Performance. Students with questions about the applicability of previous coursework are advised to consult the Department as early as possible.

Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Each AA-T or AS-T is accepted by some but not all CSU campuses. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree in that major. Please see a counselor and www.cccco.edu/1440 for more information.

NOTE: At the time of the 2011-2012 catalog printing, this degree is not accepted by San Diego State University. CSU San Marcos accepts this degree for some majors with limitations. There may be other CSU campuses which do not accept this degree.

Students intending to transfer to a CSU or other university should consult a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Degree Requirements

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
3. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major (see list above). All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a "pass-no pass" basis.
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE; see page 104 for more information); OR the Intersegmental General Education Transfer Curriculum pattern (IGETC; see page 97 for more information).

Associate in Arts and Associate in Science Degree Requirements

Minimum 60 Units Required

All degrees require a minimum of 60 semester units.

Grade Point Average (GPA) and Minimum Grade Requirements

- Effective 2009-2010 catalog year (and each year thereafter), students must earn a grade of "C" or better in courses required for the major.
- Students enrolled in occupational and health occupation programs must earn a grade of "C" or better in courses required for the major.
- A grade point average of at least 2.0 (a "C" average) is required in the curriculum upon which the degree is based.

District Competencies

District competencies in reading, written expression, and mathematics (See City College catalog

Select One of the Following Four General Education Options:

- **Option 1**—San Diego Community College District General Education AND District Requirements. (See City College Catalog page 74).
- **Option 2**—CSU General Education Breadth (CSU GE Pattern). (See City College Catalog page 104)

- **Option 3**—Intersegmental General Education Transfer Curriculum (IGETC) pattern. (See City College Catalog page 96)
- **Option 4**—San Diego Community College District General Education Requirements. (See City College Catalog page 78). Students selecting this option should meet with a counselor to determine the appropriate General Education courses for their individual transfer goals. **NOTE:** Option 4 is only available for the following City Liberal Arts and Sciences degrees designed for transfer students. Available emphases include:
 - Visual and Performing Arts
 - Language Arts and Humanities
 - Scientific Studies:
 - Biological Science Specialization
 - Mathematics and Pre-Engineering Specialization
 - Physical and Earth Sciences Specialization
 - Elementary (Multiple Subject) Teaching Preparation
 - Social and Behavioral Sciences

Students should plan programs with long range goals in mind. Students who plan to transfer to a four-year institution should review the Transfer Requirements section of this catalog.



District Requirements (Option 1)

- () Colleges in parenthesis indicate where the course is approved for District Requirements.
 C—City College
 M—Mesa College
 MMR—Miramar College

- ^ Courses with carets fulfill District multicultural studies graduation requirement.

The following information is effective for students graduating under the 2009-2010 catalog year or each term thereafter and is subject to change. Please contact the Counseling Department for updates.

1. Competence in Reading and Written Expression

Complete one course with a grade of "C" or better from General Education Requirements Area A.1 Language and Rationality, English Composition.

Note: The course selected to meet this requirement may also be used to meet the general education requirement for English Composition.

2. Competence in Mathematics

Competence is demonstrated by:

- a. Placement in Assessment Skill Level M50 or higher on SDCCD mathematics assessment

OR

- b. Completing one of the following courses with a grade of "C" or better:

- * MATH 84 Practical Geometry (M)
- * MATH 85 Practical Career Mathematics (C,M)
- MATH 96 Intermediate Algebra and Geometry (C,M,MMR)
- * MATH 98 Technical Intermediate Algebra and Geometry (C)

OR

- c. Completing, with a grade of "C" or better, any other course for which one of the above listed courses is a prerequisite or any math course with a number higher than 100.

* These courses cannot be used to meet the prerequisite for any transfer-level mathematics course.

Note: The course selected to meet these requirements may also be used to meet the general education requirement for Communications and Analytical Thinking.

3. American Institutions/California Government

Students are required to complete the United States History, Constitution and American Ideals before being awarded an associate degree. This requirement may be fulfilled by completing any combination of two classes that, when combined, fulfill areas: US-1, US-2, and US-3. A course may be used to fulfill more than one area.

A check mark [✓] indicates course has been approved to meet the requirement for the area.

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
^BLAS 140A History of the United States, Black Perspectives (C, M, MMR)	✓	✓	
^BLAS 140B History of the United States, Black Perspectives (C, M, MMR)	✓		✓
^CHIC 141A U.S. History from a Chicano Perspective (C, M)	✓	✓	
^CHIC 141B U.S. History from a Chicano Perspective (C, M)	✓		✓
HIST 109 History of the United States I (C,M,MMR)	✓	✓	
HIST 110 History of the United States II (C,M,MMR)	✓		✓
^HIST 115A History of the Americas I (C,M)	✓	✓	
^HIST 115B History of the Americas II (C,M)	✓		✓

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
^HIST 123 U.S. History from the Asian Pacific American Perspective (C,M)	✓		✓
HIST 141 Women in United States History I (C,M, MMR)	✓	✓	
HIST 142 Women in United States History II (C,M, MMR)	✓		✓
^HIST 150 Native Americans in U.S. History (M,MMR)	✓	✓	
^HIST 151 Native Americans in U.S. History (M,MMR)	✓		✓
HIST 175 California History (M)			✓
POLI 102 The American Political System (C,M, MMR)		✓	✓
NOTES: <ul style="list-style-type: none"> Three units of coursework used to fulfill the American Institutions/California Government requirement may also be used to fulfill a general education requirement. However, if a six-unit sequence or combination is selected to fulfill the American Institutions requirement, only three (3) units may be used for general education credit. Courses designated with a carat (^) may also be used to fulfill the District Multicultural studies requirement. Completion of the Advanced Placement examination in U.S. History with a score of 3 or higher will satisfy the requirement for the CSU American Institutions Area US-1 only. Completion of the Advanced Placement examination in U.S. Government & Politics with a score of 3 or higher will satisfy the requirement for Area US-2. Students who have completed the American Institutions requirement except for the California government portion must complete one course approved in Area US-3 			

4. Health Education

This requirement is met by completing Health Education 101: Health and Lifestyle, three units.

Note: This requirement is waived for students who earn degrees in Nursing Education and Physical Therapist Assistant. U.S. Veterans and active duty U.S. military personnel may be granted two units of college credit to fulfill the Health Education Requirement if service has been continuous for at least six months. Copies of form DD-214 or DD-295 or SMART or AART or CCAF Transcript covering all periods of military service must be on file in the Records Office.

5. Physical Education

Students must complete two activity courses. Physical Education courses numbered below 240 are acceptable, except for Physical Education 150. Dance courses are also acceptable, except for DANC 127, 181, 183 and 253. Administration of Justice 147, 148, 323, 381 and 382 are also

acceptable. Fire Protection Technology 100D and 150A are also acceptable. Students with physical conditions which prevent participation in regular physical education activity classes must file a physician's statement with the College Evaluations Office. Adapted Physical Education classes are available. A Physician's medical release form is required.

Note: U.S. Veterans and active duty U.S. military personnel may be granted two units of college credit to fulfill the Physical Education requirement if service has been continuous for at least six months. Copies of form DD-214 or DD-295 or SMART or AART or CCAF Transcript covering all periods of military service must be on file in the Records Office.

6. Multicultural Studies

Students may satisfy the District multicultural studies graduation requirement by satisfactorily completing a course related to the culture of one or more of the ethnic groups which are

represented in American society. The course shall include a focus on the role of men and women in the origin, development, and current status of these cultures.

Note: Each student seeking the Associate Degree must complete a three-unit multicultural studies course selected from the general education courses marked with a ^ indicating that it meets the Multicultural Requirement. The three units may be applied to the 18 units required in general education.

This requirement is met by completing one of the following courses (these courses are also on the District General Education list).

- ^ ADJU 106 Diversity and Community Relations (MMR)
- ^ AMSL 104 Introduction to Deaf Culture (M)
- ^ ANTH 103 Introduction to Cultural Anthropology (C,M,MMR)
- ^ ANTH 200 Introduction to North American Indians (M)
- ^ ANTH 210 Introduction to California Indians (C,M)
- ^ ARTF 113 African, Oceanic, and Native American Art (M,MMR)
- ^ ARTF 115 African Art (C,M)
- ^ ARTF 120 Native American Indian Art (M)
- ^ BLAS 104 Black Psychology (C,M)
- ^ BLAS 110 African American Art (C,M)
- ^ BLAS 115 Sociology from a Black Perspective (C)
- ^ BLAS 116 Contemporary Social Problems from a Black Perspective (C,M)
- ^ BLAS 120 Black Music (C,M)
- ^ BLAS 125 Dynamics of the Black Community (M)
- ^ BLAS 130 The Black Family (C,M)
- ^ BLAS 135 Introduction to Black Politics (C)
- ^ BLAS 140A History of the U.S., Black Perspectives (C,M,MMR)
- ^ BLAS 140B History of the U.S., Black Perspectives (C,M,MMR)
- ^ BLAS 145A Introduction to African History (C,M)
- ^ BLAS 145B Introduction to African History (C)
- ^ BLAS 150 Black Women in Literature and the Media (C,M)
- ^ BLAS 155 Afro-American Literature (C,M)
- ^ CHIC 110A Introduction to Chicano Studies (C,M)
- ^ CHIC 110B Introduction to Chicano Studies (C,M)
- ^ CHIC 135 Chicana/o Literature (C,M)
- ^ CHIC 141A United States History from a Chicano Perspective (C,M)
- ^ CHIC 141B United States History from a Chicano Perspective (C,M)
- ^ CHIC 190 Chicano Images in Film (C,M)
- ^ CHIC 210 Chicano Culture (C,M)
- ^ CHIL 141 The Child, Family and Community (C,M,MMR)
- ^ COMS 180 Intercultural Communication (C,M,MMR)
- ^ DRAM 109 Theatre and Social Issues (C)
- ^ ENGL 202 Introduction to Linguistics (C,M)
- ^ ENGL 230 Asian American Literature (M,MMR)
- ^ FILI 100 Filipino American Experience (M,MMR)
- ^ GEND 101 Introduction to Gender Studies (C)
- ^ GEOG 102 Cultural Geography (C,M,MMR)
- ^ HIST 115A History of the Americas I (C,M)
- ^ HIST 115B History of the Americas II (C,M)
- ^ HIST 120 Introduction to Asian Civilizations (C,M,MMR)
- ^ HIST 121 Asian Civilizations in Modern Times (C,M,MMR)
- ^ HIST 123 U. S. History from the Asian Pacific American Perspective (C,M)
- ^ HIST 130 The Modern Middle East (M)
- ^ HIST 150 Native Americans in United States History (M,MMR)
- ^ HIST 151 Native Americans in United States History (M,MMR)
- ^ INTE 125 History of Decorative Arts (M)
- ^ MUSI 109 World Music (C,M,MMR)
- ^ NUTR 153 Cultural Foods (M)
- ^ PHIL 125 Philosophy of Women (C,M)
- ^ POLI 103 Comparative Politics (C,M,MMR)
- ^ POLI 140 Contemporary International Politics (C,M,MMR)
- ^ SOCO 101 Principles of Sociology (C,M,MMR)
- ^ SOCO 110 Contemporary Social Problems (C,M,MMR)
- ^ SOCO 125 Sociology of the Family (C,M)
- ^ SOCO 150 Sociology of Latinos/Latinas (C)
- ^ SOCO 223 Globalization and Social Change (C,M,MMR)

General Education Outcomes Defined

General Education courses should contribute to the broad education of career technical and transfer

students in the areas of critical thinking, writing, and oral communication skills, understanding of and the ability to use quantitative analysis, and awareness of the arts and humanities; and of the physical, social and behavioral sciences as they affect one's interaction with the diverse local and global communities. General Education Requirements Title 5: Section 55806

a. Natural Sciences. Courses in the natural sciences are those that examine the physical universe, its life forms, and its natural phenomena. To satisfy the General Education Requirement in natural sciences, a course shall be designed to help the student develop an appreciation and understanding of the scientific method, and encourage an understanding of the relationships between science and other human activities. This category would include introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics and other scientific disciplines.

Students who complete natural sciences general education courses will be able to:

- demonstrate an understanding and appreciation of the scientific method
- express an understanding of the relationships between science and other human activities
- examine the natural physical world and its life forms in a variety of courses
- utilize critical thinking skills in a variety of scientific applications

b. Social and Behavioral Sciences. Courses in the social and behavioral sciences are those which focus on people as members of society. To satisfy the general education requirement in social and behavioral sciences, a course shall be designed to develop an awareness of the method of inquiry used by the social and behavioral sciences. It shall be designed to stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate. This category would

include introductory or integrative survey courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology and related disciplines.

Students who complete social and behavioral sciences general education courses will be able to:

- express understanding of how people act and have acted in response to their societies and the natural environment
- articulate how societies and social subgroups operate in specific historical and contemporary contexts
- use methods of inquiry and measurement appropriate to the particular discipline being studied

c. Humanities. Courses in the humanities are those which study the cultural activities and artistic expressions of human beings. To satisfy the general education requirement in the humanities, a course shall be designed to help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves, help the student develop aesthetic understanding and an ability to make value judgments. Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.

Students who complete humanities general education courses will be able to:

- express understanding and appreciation of varieties of cultural and artistic expression
- articulate an understanding of the complex relationships between the arts and their cultural, historical, and economic contexts
- evaluate the various elements of artistic works

d. Language and Rationality. Courses in language and rationality are those which develop for the student the principles and applications of language toward logical thought, clear and precise expression and

critical evaluation of communication in whatever symbol system the student uses.

1. English Composition. Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.
2. Communication and Analytical Thinking. Courses fulfilling the communication and analytical thinking requirement include oral communication, mathematics, logic, statistics, computer languages and programming, and related disciplines.

Students who complete language and rationality general education courses will be able to:

- demonstrate an understanding of the principles of clear and coherent communication.
- use verbal and non-verbal languages in a clear and precise manner.
- develop logical and rational thinking skills while analyzing and communicating processes.
- evaluate different quantitative and qualitative symbol expressions and systems.

Ethnic Studies will be offered in at least one of the required areas.

General Education Requirements (Option 4)

- () Colleges in parenthesis indicate where the course is approved for General Education Requirements.
 C—City College
 M—Mesa College
 MMR—Miramar College
- ^ Courses with carets fulfill District multicultural studies graduation requirement.
- * Courses with asterisks may satisfy more than one area and/or general education requirement but may not be counted more than once for this

Only one course in a student's major discipline may be used to meet the San Diego Community College District General Education Requirements.

The following information is based on 2011-2012 course offerings and is subject to change. Please contact the Counseling Department for updates.

The State of California requires the completion of a minimum of 18 units of general education with at least a 2.0 grade point average. One course must be selected from each of the following areas: English Composition; Communication/Analytical Thinking; the Sciences (Life or Physical, not both); Humanities; Social Sciences; and a sixth course chosen from any area.

A. Language and Rationality

A minimum of three semester units, or four quarter units, must be completed. Choose one course from the following:

1. English Composition

ENGL 101	Reading and Composition (C,M,MMR)
ENGL 105	Composition and Literature (C,M,MMR)
ENGL 205	Critical Thinking and Intermediate Composition (C,M,MMR)

A minimum of three semester units, or four quarter units, must be completed. Choose one course from the following:

2. Communication and Analytical Thinking

BIOL 200	Biological Statistics (C,M)
BUSE 101	Business Mathematics (C,M,MMR)
CISC 150	Introduction to Computer and Information Sciences (C,M)
CISC 181	Principles of Information Systems (C,M,MMR)
COMS 99	Voice and Diction for Non-Native Speakers of English (C,MMR)
COMS 101	Voice and Articulation (C,M,MMR)
COMS 103	Oral Communication (C,M,MMR)
COMS 135	Interpersonal Communication (C,M,MMR)
COMS 160	Argumentation (C,M,MMR)
COMS 170	Small Group Communication (C,M)
^ COMS 180	Intercultural Communication (C,M,MMR)
GISG 104	Geographic Information Science and Spatial Reasoning (C,M)
MATH 84	Practical Geometry (M)
MATH 85	Practical Career Mathematics (C,M)

MATH 96	Intermediate Algebra and Geometry (C,M,MMR)
MATH 98	Technical Intermediate Algebra and Geometry (C)
MATH 104	Trigonometry (C,M,MMR)
MATH 107	Introduction to Scientific Programming (C)
MATH 107L	Introduction to Scientific Programming Lab (C)
MATH 115	Gateway to Experimental Statistics (C)
MATH 116	College and Matrix Algebra (C,M,MMR)
MATH 118	A Survey of Modern Mathematics (C,M,MMR)
MATH 119	Elementary Statistics (C,M,MMR)
MATH 121	Basic Techniques of Applied Calculus I (C,M,MMR)
MATH 122	Basic Techniques of Calculus II (C,M,MMR)
MATH 141	Precalculus (C,M,MMR)
MATH 150	Calculus with Analytic Geometry I (C,M,MMR)
MATH 151	Calculus with Analytic Geometry II (C,M,MMR)
MATH 181	Mecomtronics College Algebra and Trigonometry I (C)
MATH 182	Mecomtronics College Algebra and Trigonometry II (C)
MATH 183	Mecomtronics Calculus I (C)
MATH 184	Mecomtronics Calculus II (C)
MATH 210A	Concepts of Elementary School Mathematics I (C,M,MMR)
MATH 210B	Concepts of Elementary School Mathematics II (C,M,MMR)
MATH 245	Discrete Mathematics (C,M,MMR)
MATH 252	Calculus with Analytic Geometry III (C,M,MMR)
MATH 254	Introduction to Linear Algebra (C,M,MMR)
MATH 255	Differential Equations (C,M,MMR)
PHIL 100	Logic and Critical Thinking (C,M,MMR)
PHIL 101	Symbolic Logic (C,M,MMR)
PHIL 205	Critical Thinking and Writing in Philosophy (C,M,MMR)
PSYC 258	Behavioral Science Statistics (C,M,MMR)

B. Natural Sciences

A minimum of three semester units, or four quarter units, must be completed. Choose one course from the following:

1. Life Sciences

ANTH 102	Introduction to Physical Anthropology (C,M,MMR)
ANTH 104	Laboratory in Physical Anthropology (C,M,MMR)
BIOL 100	Natural History - Environmental Biology-Lecture/Laboratory (M,MMR)
BIOL 101	Issues in Environmental Biology-Lecture/Laboratory (C)
BIOL 107	General Biology-Lecture/Laboratory (C,M,MMR)
BIOL 110	Introduction to Oceanography (C,M)
BIOL 111	Cancer Biology (C)
BIOL 115	Marine Biology (C,M,MMR)
BIOL 120	The Environment of Man (M)
BIOL 130	Human Heredity (C,M,MMR)
BIOL 131	Introduction to Biotechnology (MMR)
BIOL 160	Elements of Human Anatomy & Physiology-Lecture/Laboratory (M,MMR)
BIOL 180	Plants and People (C,M,MMR)
BIOL 205	General Microbiology (C,M,MMR)
BIOL 210A	Introduction to the Biological Sciences I-Lecture/Laboratory (C,M,MMR)
BIOL 210B	Introduction to the Biological Sciences II-Lecture/Laboratory (C,M,MMR)
BIOL 215	Introduction to Zoology (C,M,MMR)
BIOL 230	Human Anatomy (C,M,MMR)
BIOL 235	Human Physiology (C,M,MMR)
BIOL 250	Introduction to Botany (M,MMR)
BIOL 255	California Plants (M)
BIOL 285	Tropical Biology Field Experience (MMR)
MEDA 55	Fundamentals Human Anatomy and Physiology (M)
NUTR 150	Nutrition (M,MMR)
NUTR 155	Advanced Nutrition (M)
PSYC 260	Introduction to Physiological Psychology (C,M,MMR)

2. Physical Sciences

ASTR 101	Descriptive Astronomy (C,M,MMR)
ASTR 109	Practice in Observing-Laboratory (C,M)
ASTR 111	Astronomy Laboratory (C,M,MMR)
CHEM 100	Fundamentals of Chemistry (C,M,MMR)

CHEM 100L	Fundamentals of Chemistry-Laboratory (C,M,MMR)
CHEM 111	Chemistry in Society (C,M)
CHEM 111L	Chemistry and Society Laboratory (C,M)
CHEM 130	Introduction to Organic & Biological Chemistry (C,M,MMR)
CHEM 130L	Introduction to Organic & Biological Chemistry-Laboratory (C,M,MMR)
CHEM 152	Introduction to General Chemistry (C,M,MMR)
CHEM 152L	Introduction to General Chemistry Laboratory (C,M,MMR)
CHEM 200	General Chemistry I-Lecture (C,M,MMR)
CHEM 200L	General Chemistry I-Laboratory (C,M,MMR)
CHEM 201	General Chemistry II-Lecture (C,M,MMR)
CHEM 201L	General Chemistry II-Laboratory (C,M,MMR)
CHEM 231	Organic Chemistry I-Lecture (C,M,MMR)
CHEM 231L	Organic Chemistry I-Laboratory (C,M,MMR)
CHEM 233	Organic Chemistry II-Lecture (C,M,MMR)
CHEM 233L	Organic Chemistry II-Laboratory (C,M,MMR)
CHEM 251	Analytical Chemistry (C,M,MMR)
ENGN 110	Science for Technical Applications (C)
GEOG 101	Physical Geography (C,M,MMR)
GEOG 101L	Physical Geography-Laboratory (C,M,MMR)
GEOL 100	General Geology (C,M,MMR)
GEOL 101	General Geology-Laboratory (C,M,MMR)
GEOL 104	Earth Science (C,M,MMR)
MCTR 120A	Basic Physics for Technical Applications I (C)
MCTR 120B	Basic Physics for Technical Applications II (C)
PHYN 100	Survey of Physical Science-Lecture (C,M,MMR)
PHYN 101	Survey of Physical Science-Laboratory (C,M,MMR)
PHYN 120	Physical Oceanography (M,MMR)
PHYS 100	Introductory Physics Lecture/Laboratory (C,M)
PHYS 125	General Physics (C,M,MMR)
PHYS 126	General Physics II (C,M,MMR)

PHYS 180A	General Physics I (C,MMR)
PHYS 180B	General Physics II (C,MMR)
PHYS 181A	General Physics Lab I (C,MMR)
PHYS 181B	General Physics Lab II (C,MMR)
PHYS 195	Mechanics (C,M,MMR)
PHYS 196	Electricity and Magnetism (C,M,MMR)
PHYS 197	Waves, Optics and Modern Physics (C,M,MMR)

C. Humanities

A minimum of three semester units, or four quarter units, must be completed. Choose one course from the following:

AMSL 115	American Sign Language Level I (C,M)
AMSL 116	American Sign Language Level II (C,M)
AMSL 215	American Sign Language Level III (C,M)
AMSL 216	American Sign Language Level IV (C,M)
ARAB 101	First Course in Arabic (C,MMR)
ARAB 102	Second Course in Arabic (C,MMR)
ARTF 100	Art Orientation (C,M,MMR)
ARTF 107	Contemporary Art (M,MMR)
ARTF 109	History of Modern Art (C,M,MMR)
ARTF 110	Art History: Prehistoric to Gothic (C,M,MMR)
ARTF 111	Art History: Renaissance to Modern (C,M,MMR)
^ ARTF 113	African, Oceanic, and Native American Art (M,MMR)
^ ARTF 115	African Art (C,M)
^ ARTF 120	Native American Indian Art (M)
ARTF 125	Art History: Arts of the Asian Continent (M,MMR)
ARTF 191	Cultural Influences on Photography (M)
ARTF 194	Critical Photography (M)
ARTG 118	Graphic Design History (C,MMR)
^ BLAS 110	African American Art (C,M)
BLAS 111	African Art History (M)
^ BLAS 120	Black Music (C,M)
^ BLAS 150	Black Women in Literature and the Media (C,M)
^ BLAS 155	Afro-American Literature (C,M)

	CHIC 130	Mexican Literature in Translation (C)	^	ENGL 230	Asian American Literature (M,MMR)
^	CHIC 135	Chicana/o Literature (C,M)		ENGL 237	Women in Literature (C,MMR)
	CHIC 138	Literature of La Raza in Latin America in Translation (C,M)		ENGL 238	Evaluating Children's Literature (C,M)
^	CHIC 190	Chicano Images in Film (C,M)		ENGL 240	Shakespeare (C,M)
	CHIC 203	Introductory Spanish for Spanish Speakers (C)		FASH 120	Fashion History and Trends (M)
	CHIC 204	Intermediate Spanish for Spanish Speakers (C)		FREN 101	First Course in French (C,M)
^	CHIC 210	Chicano Culture (C,M)		FREN 102	Second Course in French (C,M)
	CHIC 230	Chicano Art (M)		FREN 201	Third Course in French (C,M)
	CHIN 101	First Course in Mandarin Chinese (M)		FREN 202	Fourth Course in French (C,M)
	CHIN 102	Second Course in Mandarin Chinese (M)		GERM 101	First Course in German (C,M)
	CHIN 201	Third Course in Mandarin Chinese (M)		GERM 102	Second Course in German (C,M)
	CHIN 202	Fourth Course in Mandarin Chinese (M)		GERM 201	Third Course in German (C,M)
	DANC 181	Introduction to Dance (C,M)		HIST 100	World History I (C,M,MMR)
	DFLM 101	Introduction to Film (MMR)		HIST 101	World History II (C,M,MMR)
	DFLM 102	The American Cinema (MMR)		* HIST 105	Introduction to Western Civilization I (C,M,MMR)
	DRAM 105	Introduction to Dramatic Arts (C,M)		* HIST 106	Introduction to Western Civilization II (C,M,MMR)
	DRAM 107	Study of Filmed Plays (C)	^	HIST 120	Introduction to Asian Civilizations (C,M,MMR)
	DRAM 108	Playwriting (C)	^	HIST 121	Asian Civilizations in Modern Times (C,M,MMR)
^	DRAM 109	Theatre and Social Issues (C)	^*	HIST 123	U. S. History from the Asian Pacific American Perspective (C,M)
	DRAM 136	History of Canonized Theatre - Ancient Greece to the Restoration (C)	*	HIST 131	Latin America Before Independence (M)
	DRAM 137	History of Canonized Western Theatre - Restoration to the Present (C)	*	HIST 132	Latin America Since Independence (M)
	DRAM 150	Cinema as Art and Communication I (M)		HUMA 101	Introduction to the Humanities I (C,M,MMR)
	DRAM 151	Cinema as Art and Communication II (M)		HUMA 102	Introduction to the Humanities II (C,M,MMR)
	ENGL 207	The Art of the Sentence (M)		HUMA 103	Introduction to the New Testament (C,M)
	ENGL 208	Introduction to Literature (C,M,MMR)		HUMA 104	Introduction to the Old Testament (M)
	ENGL 209	Literary Approaches to Film (C,M,MMR)		HUMA 106	World Religions (C,M,MMR)
	ENGL 210	American Literature I (C,M,MMR)		HUMA 201	Mythology (C,M,MMR)
	ENGL 211	American Literature II (C,M,MMR)		HUMA 202	Mythology: Hero's Journey (C)
	ENGL 215	English Literature I: 800-1799 (C,M,MMR)		HUMA 205	Exploring Human Values Through Film (M)
	ENGL 216	English Literature II: 1800-Present (C,M,MMR)	^	INTE 125	History of Decorative Arts (M)
	ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE (C,M,MMR)		ITAL 101	First Course in Italian (C,M)
	ENGL 221	Masterpieces of World Literature II: 1600 - Present (C,M,MMR)		ITAL 102	Second Course in Italian (C,M)
				ITAL 201	Third Course in Italian (C,M)
				JAPN 101	First Course in Japanese (M)
				JAPN 102	Second Course in Japanese (M)

JAPN 201	Third Course in Japanese (M)
JAPN 202	Fourth Course in Japanese (M)
LATI 101	First Course in Latin (M)
LATI 102	Second Course in Latin (M)
LATI 201	Third Course in Latin (M)
MULT 116	Flash Game Development (M)
MUSI 100	Introduction to Music (C,M,MMR)
MUSI 101	Music History I: Middle Ages to Mid 18th Century (M)
MUSI 102	Music History II: Mid 18th to Early 20th Century (M)
MUSI 103	History of Rock Music (MMR)
MUSI 105	Music of Our Time (M)
^ MUSI 109	World Music (C,M,MMR)
MUSI 111	Jazz-History and Development (C,M,MMR)
MUSI 125	Music, the Arts and Humanity (M)
PHIL 102A	Introduction to Philosophy: Reality and Knowledge (C,M,MMR)
PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
PHIL 103	Historical Introduction to Philosophy (M)
PHIL 104A	History of Western Philosophy (C,M)
PHIL 104B	History of Western Philosophy (C,M)
PHIL 105	Contemporary Philosophy (C)
PHIL 106	Asian Philosophy (C,M)
PHIL 107	Reflections on Human Nature (C,M,MMR)
* PHIL 108	Perspectives on Human Nature and Society (C,M)
PHIL 110	Philosophy of Religion (M)
PHIL 111	Philosophy in Literature (C,M)
PHIL 112	Philosophy of Science (M)
^* PHIL 125	Philosophy of Women (C,M)
PHIL 130	Philosophy of Art and Music (C,M)
* PHIL 205	Critical Thinking and Writing in Philosophy (C,M,MMR)
PHOT 150	History of Photography (C)
RTVC 160	Introduction to Cinema (C)
RUSS 101	First Course in Russian (C,M)
RUSS 102	Second Course in Russian (M)
RUSS 201	Third Course in Russian (M)
SPAN 100	First/Second Course in Spanish-Accelerated (M)
SPAN 101	First Course in Spanish (C,M,MMR)

SPAN 102	Second Course in Spanish (C,M,MMR)
SPAN 201	Third Course in Spanish (C,M,MMR)
SPAN 202	Fourth Course in Spanish (C,M,MMR)
SPAN 215	Spanish for Spanish Speakers I (C,M,MMR)
SPAN 216	Spanish for Spanish Speakers II (C,M,MMR)
SUST 102	Environmental Ethics (C)
TAGA 101	First Course in Tagalog (M,MMR)
TAGA 102	Second Course in Tagalog (M,MMR)
TAGA 201	Third Course in Tagalog (M,MMR)
VIET 101	First Course in Vietnamese (M)
VIET 102	Second Course in Vietnamese (M)
VIET 201	Third Course in Vietnamese (M)

D. Social and Behavioral Sciences

A minimum of three semester units, or four quarter units, must be completed. Choose one course from the following:

ADJU 101	Introduction to Administration of Justice (C,MMR)
ADJU 101A	Introduction to Administration of Justice I (MMR)
ADJU 101B	Introduction to Administration of Justice II (MMR)
ADJU 101C	Introduction to Administration of Justice III (MMR)
^ ADJU 106	Diversity and Community Relations (MMR)
ADJU 193	Concepts of Criminal Law (MMR)
ADJU 230	Constitutional Law I (MMR)
AGRI 100	Principles of Sustainable Agriculture (C)
^ AMSL 104	Introduction to Deaf Culture (M)
^ ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)
ANTH 107	Introduction to Archaeology (C,M,MMR)
^ ANTH 200	Introduction to North American Indians (M)
ANTH 205	Introduction to Medical Anthropology (M)
^ ANTH 210	Introduction to California Indians (C,M)
ANTH 215	Cultures of Latin America (C,M)
BLAS 100	Introduction to Black Studies (C,M)

^	BLAS 104	Black Psychology (C,M)	GEOG 104	World Regional Geography (C,M,MMR)
^	BLAS 115	Sociology from a Black Perspective (C)	GEOG 154	Introduction to Urban Geography (M)
^	BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)	* HIST 105	Introduction to Western Civilization I (C,M,MMR)
^	BLAS 125	Dynamics of the Black Community (M)	* HIST 106	Introduction to Western Civilization II (C,M,MMR)
^	BLAS 130	The Black Family (C,M)	HIST 109	History of the United States I (C,M,MMR)
^	BLAS 135	Introduction to Black Politics (C)	HIST 110	History of the United States II (C,M,MMR)
^	BLAS 140A	History of the U.S., Black Perspectives (C,M,MMR)	^ HIST 115A	History of the Americas I (C,M)
^	BLAS 140B	History of the U.S., Black Perspectives (C,M,MMR)	^ HIST 115B	History of the Americas II (C,M)
^	BLAS 145A	Introduction to African History (C,M)	^* HIST 123	U. S. History from the Asian Pacific American Perspective (C,M)
^	BLAS 145B	Introduction to African History (C)	^ HIST 130	The Modern Middle East (M)
	BUSE 100	Introduction to Business (C,M,MMR)	* HIST 131	Latin America Before Independence (M)
	BUSE 140	Business Law and the Legal Environment (C,M,MMR)	* HIST 132	Latin America Since Independence (M)
^	CHIC 110A	Introduction to Chicano Studies (C,M)	HIST 141	Women in United States History I (C,M,MMR)
^	CHIC 110B	Introduction to Chicano Studies (C,M)	HIST 142	Women in United States History II (C,M,MMR)
^	CHIC 141A	United States History from a Chicano Perspective (C,M)	^ HIST 150	Native Americans in United States History (M,MMR)
^	CHIC 141B	United States History from a Chicano Perspective (C,M)	^ HIST 151	Native Americans in United States History (M,MMR)
	CHIC 150	History of Mexico (C,M)	HIST 154	Ancient Egypt (M)
	CHIC 170	La Chicana (C,M)	HIST 175	California History (M)
	CHIC 201	Pre-Columbian Cultures of MesoAmerica (C,M)	JOUR 202	Introduction to Mass Communication (C,M,MMR)
	CHIL 101	Human Growth and Development (C,M,MMR)	MILS 100	Introduction to Military Science (MMR)
	CHIL 103	Lifespan Growth and Development (MMR)	^ NUTR 153	Cultural Foods (M)
^	CHIL 141	The Child, Family and Community (C,M,MMR)	PEAC 101	Introduction to Peace Studies (C)
	ECON 120	Principles of Macroeconomics (C,M,MMR)	PEAC 102	Nonviolence and Conflict Resolution (C)
	ECON 121	Principles of Microeconomics (C,M,MMR)	PEAC 201	Environmental Sustainability, Justice and Ethics (C)
^	ENGL 202	Introduction to Linguistics (C,M)	* PHIL 108	Perspectives on Human Nature and Society (C,M)
^	FILI 100	Filipino American Experience (M,MMR)	PHIL 109	Issues in Social Philosophy (M)
	FUTR 101	Introduction to Futures Studies (C)	^* PHIL 125	Philosophy of Women (C,M)
	FUTR 102	Creating Futures: Methods and Tools (C)	PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
	FUTR 103	Emerging Technologies (C)	POLI 101	Introduction to Political Science (C,M,MMR)
	GEND 101	Introduction to Gender Studies (C)	POLI 102	The American Political System (C,M,MMR)
^	GEOG 102	Cultural Geography (C,M,MMR)		

^	POLI 103	Comparative Politics (C,M,MMR)
^	POLI 140	Contemporary International Politics (C,M,MMR)
	PSYC 101	General Psychology (C,M,MMR)
	PSYC 111	Psychological /Social Aspects of Aging, Death and Dying (C,M)
	PSYC 121	Introduction to Child Psychology (M,MMR)
	PSYC 123	Adolescent Psychology (MMR)
	PSYC 133	Psychology of Women (M,MMR)
	PSYC 135	Marriage and Family Relations (C,M,MMR)
	PSYC 137	Human Sexual Behavior (C,M,MMR)
	PSYC 155	Introduction to Personality (C,M,MMR)
	PSYC 166	Introduction to Social Psychology (C,M,MMR)
	PSYC 211	Learning (C,M,MMR)
	PSYC 230	Psychology of Lifespan Development (C,M,MMR)
	PSYC 245	Abnormal Psychology (C,M,MMR)
^	SOCO 101	Principles of Sociology (C,M,MMR)
^	SOCO 110	Contemporary Social Problems (C,M,MMR)
^	SOCO 125	Sociology of the Family (C,M)
^	SOCO 150	Sociology of Latinos/Latinas (C)
	SOCO 201	Advanced Principles of Sociology (C,M,MMR)
^	SOCO 223	Globalization and Social Change (C,M,MMR)
	SUST 101	Introduction to Sustainability (C)

Certificate of Achievement

Programs in which a Certificate of Achievement may be awarded are described in the Degree Curricula and Certificate Programs section of this catalog. Certificate programs are designed for students with specific personal or occupational goals. To qualify for the Certificate of Achievement, students must satisfy the following requirements:

1. meet all standards for admission to the desired certificate program;
2. earn a grade of "C" or higher in each course;
3. complete a minimum of three courses in residence;
4. and a minimum of six semester units of the required courses for the major must be completed at City, Mesa or Miramar College.

Certificate of Performance

Programs in which a Certificate of Performance may be awarded are described in the Degree Curricula and Certificate Programs section of this catalog. A Certificate of Performance recognizes the attainment of knowledge and/or skill through the successful completion of two or more courses as specified by a department. Certificates of Performance are designed to prepare students for employment, job enhancement and/or job advancement. To qualify for the Certificate of Performance, students must satisfy the following requirements:

1. Achieve a grade of "C" or better in each of the required courses.
2. Complete all required course work in the San Diego Community College District.
3. Course substitutions or course equivalencies from other colleges may not be used to satisfy Certificate of Performance requirements.

For additional information, contact the campus Evaluations Office or subject-area department.

Graduation

Petition for Graduation

Student who expect to receive an Associate Degree or a Certificate of Achievement should file a Petition for Graduation. The Petition may be completed online at: <https://studentweb.sdccd.edu>, or obtained in the Counseling Office. See Academic Calendar section for important filing dates.

Official college transcripts from all colleges attended must be on file before submitting the petition for Associate Degree or Certificate of Achievement.

An evaluation is a summary of college work completed and of requirements to be completed for the associate degree or the certificate of achievement. Only evaluations completed by one of the Evaluators are official.

A petition for an associate degree evaluation should be submitted one year before the student plans to graduate.

Students who are working toward a certificate of achievement should file the Petition for Graduation

prior to the beginning of the semester in which they plan to complete the requirements of their certificate program.

Students who have petitioned for graduation should notify the evaluator immediately of any name or address change.

Catalog Rights

Students who maintain continuous enrollment may choose to graduate under the (City College, Mesa College, and Miramar College) catalog in effect at the time they began their studies in a California Community College, California State University, or University of California campus, or under the catalog in effect at the time of graduation.

Certification of a student's completion of CSU general education requirements or the Intersegmental General Education Transfer Curriculum (IGETC) is not a graduation requirement. Therefore, students do not have catalog rights to a certification pattern used by a certifying institution or a CSU or UC campus.

Continuous Enrollment

Continuous enrollment is defined as attendance in one semester or two quarters within a calendar year in either the CSU, UC, or California Community College System.

Awarding of Degrees or Certificates

Associate Degrees/Certificates of Achievement will be awarded at the end of the semester in which the requirements are completed.

The graduation ceremony is held once a year. Candidates for Fall, Spring and Summer graduation may participate in the ceremony which is held at the end of the Spring semester.

Diplomas

Diplomas are issued only after completion of all graduation requirements have been verified. Diplomas will be issued in the name of record at the time the diploma is awarded. For information on obtaining your diploma or certificate of achievement, or a duplicate copy, please contact the Evaluations Office on campus.

Graduation with Distinction

Graduation with honors distinction will be based upon all coursework that is associate degree and lower division baccalaureate degree applicable.

Graduation with Honors is granted to students who achieve an overall 3.5 GPA, High Honors is granted to students who achieve an overall 3.75 GPA, and Highest Honors is granted to students who achieve an overall 4.0 GPA.

Students will be notified that this distinction is pending at the time of the graduation ceremony, when the GPA will be calculated based upon degree or certificate applicable coursework completed through the fall semester of the year of the ceremony. The final distinction will be determined upon completion of all coursework completed through the fall semester for fall graduates, the spring semester for spring graduates or the summer term for summer graduates.

Additional College Degree

A student having received an associate or baccalaureate degree may qualify for an additional Associate in Arts or Associate in Science degree in a new major or concentration.

An additional degree:

1. Permits upgrading or preparation for upgrading current employment.
2. Prepares for employment in an area different from that provided by previous training.
3. Provides general knowledge leading to fulfillment of personal goals.

The following requirements are applicable:

1. The degree to be earned must represent a change in major or concentration from the degree or degrees previously earned.
2. A student must earn a minimum of 18 required semester units in the new major or concentration beyond the minimum 60 units required for the Associate Degree, bringing the total units required for the second degree to a minimum of 78 units, a minimum of 96 units for the third degree, and so on. Twelve (12) semester units of the new major or concentration must be completed in residence.

3. A student must fulfill current catalog associate degree requirements.
4. In order to receive an additional college degree, the student must file a Petition for Graduation in the Evaluations Office. The college evaluator will review all previous college work to determine the student's eligibility for a second degree.