

# Associate Degrees

Students may graduate with an Associate in Arts or Associate in Science degree. The college offers students seeking the Associate in Arts (AA) degree the choice of 37 different majors in the liberal arts and sciences. Students may pursue an Associate in Science (AS) degree in one of 27 available majors in the technological, applied, and business sciences. **Associate degree majors are listed on page 25.**

## Degree Requirements

Students must fulfill unit, scholarship, residency, general education, major, competency, and continuous attendance requirements in order to be awarded an associate degree. **Degree requirements are explained in detail on page 21.**

## Multiple Majors

Students may elect to complete the requirements for more than one major in a degree program under the following conditions: (a) The student must meet the minimum requirements for each major; and (b) at least 12 of the required units in a major must be separate and distinct from the required units of the other major.

## Second Degree Requirements

### Students with Baccalaureate or Higher Degrees

Students seeking an Associate in Science or Associate in Arts degree **after having previously received a baccalaureate (or higher) degree** may qualify for graduation by

1. Completing a minimum of 12 units in residence;
2. (a) Meeting the minimum requirements of the major and  
(b) Completing at least 12 of the required units in the second major that are separate and distinct from the required units of their first major; and
3. Achieving a grade point average of 2.0 or above for all units attempted in the pursuit of the degree.

Students who have previously earned the equivalent of a B.A. or a B.S. from a foreign educational institution will be evaluated on an individual basis (students should make an appointment with an Irvine Valley College counselor).

### Students with Associate Degrees from Other Colleges

Students seeking a second associate degree **after having previously received an associate degree from another college** may qualify for graduation by

1. Completing those general education requirements for which equivalents have not been completed;
2. (a) Meeting the minimum requirements of the major and  
(b) Completing at least 12 of the required units in the second major that are separate and distinct from the required units of their first major;
3. Completing a minimum of 12 units in residence; and
4. Achieving a minimum grade point average of 2.0 or above for all units attempted in pursuit of the degree.

### Students with Prior Associate Degrees from Irvine Valley College

Students seeking a second associate degree **after having previously received an associate degree from Irvine Valley College** may qualify for an additional degree if

1. (a) They have met the minimum requirements for the second major and  
(b) At least 12 of the required units in the second major are separate and distinct from the required units of their first major and
2. They have achieved a minimum grade point average of 2.0 or above for all units attempted in pursuit of the degree.

## Alternatives to Degree Requirements

Students may satisfy **both the general education and major requirements for the Associate in Arts degree** by completing the coursework necessary to obtain either

1. California State University (CSU) general education certification or
2. Intersegmental General Education Transfer Curriculum (IGETC) certification.

Whether they complete the CSU or IGETC pattern of courses, students must complete a minimum total of 60 units—including the courses leading to the CSU general education or IGETC certification—in order to satisfy the requirements for an Associate in Arts degree with a major in General Studies. This option is **not** available for students seeking an Associate in Science degree. Students are advised to consult with an IVC counselor **before** pursuing this option.

## Double Counting Courses

Students may use a course to fulfill both a major requirement and a general education requirement provided they reserve 18 units to apply exclusively to the major.

## Petition for Graduation

Students who expect to graduate from the college must file a petition for graduation with the Counseling Center. Responsibility for filing this petition rests with the student, and transcripts for all college work attempted must be on file for the petition to be considered.

Application deadlines for filing for graduation are as follows:

- Fall 2002:** December 6, 2002
- Spring 2003:** April 18, 2003
- Summer 2003:** August 1, 2003

Commencement is held once a year, in May, for students who have completed the requirements for their degree any semester during the year, including the summer session. **Students should consult the Office of Admissions and Records for further information and details.**

# Graduation Requirements

## Associate in Arts Degree

The South Orange County Community College District Board of Trustees, upon the recommendation of the faculty of Irvine Valley College, will confer the Associate in Arts degree upon completion of the following requirements:

1. **Unit Requirement:** A minimum of 60 units of credit.
2. **Scholarship Requirement:** A minimum grade point average of 2.0 in all units attempted at Irvine Valley College and an overall grade point average of 2.0 for all units attempted at all colleges attended.
3. **Residency Requirement:** A minimum of 12 units of the 60 total semester units completed in residence at Irvine Valley College.
4. **General Education Requirements:** Completion of the Associate in Arts degree general education requirements (see page 22).
5. **Major Requirement**  
**Any one of the following options:**
  - (a) Completion of an Associate in Arts degree major as described in this college catalog (see program descriptions); or
  - (b) Completion of at least 20 units including the lower-division requirements designated as preparation for a specific transfer major (consult the Counseling Office); or
  - (c) Completion of at least 20 units in a single subject<sup>†</sup> or related discipline (Associate in Arts degree majors completing 20 units in a single subject or related discipline must first consult with a counselor, obtain approval from the instructional dean in the major area, and complete a special petition).

\* Students seeking the Associate in Arts degree may satisfy requirements 4 and 5 by completing the course work necessary to obtain either:

- (a) California State University (CSU) general education certification or
- (b) Intersegmental General Education Transfer Curriculum (IGETC) certification.

In either case, students must complete a minimum total of 60 degree-applicable units—including the courses leading to CSU general education or IGETC certification—in order to satisfy the requirements for an A.A. degree with a major in General Studies. Consult the Counseling Office for assistance.

6. **Competency Requirement:** Reading, writing, and mathematics competency as demonstrated by completion with a grade of "C" or better of Writing 1 and Mathematics 253 (Intermediate Algebra) or a higher-level course in mathematics.
7. **Continuous Attendance Requirement:** Students must maintain continuous attendance at IVC to maintain graduation requirements in effect at their time of enrollment. Continuous attendance is defined as enrollment in at least one course in an academic year.

† Restrictions apply when counting units from repeatable courses. Be sure to consult with an IVC counselor before pursuing the single-subject option of the Major Requirement.

## Associate in Science Degree

The South Orange County Community College District Board of Trustees, upon the recommendation of the faculty of Irvine Valley College, will confer the Associate in Science degree upon completion of the following requirements:

1. **Unit Requirement:** A minimum of 60 units of credit.
2. **Scholarship Requirement:** A minimum grade point average of 2.0 in all units attempted at Irvine Valley College and an overall grade point average of 2.0 for all units attempted at all colleges attended.
3. **Residency Requirement:** A minimum of 12 units of the 60 total semester units completed in residence at Irvine Valley College.
4. **General Education Requirements:** Completion of the Associate in Science degree general education requirements (see page 22).
5. **Major Requirement**  
**Either of the following options:**
  - (a) Completion of an Associate in Science degree major or Occupational Certificate of 18 units or more as described in this college catalog (see program descriptions); or
  - (b) Completion of at least 18 units in a single subject<sup>†</sup> or related discipline (Associate in Science degree majors completing 18 units in a single subject or related discipline must first consult with a counselor, obtain approval from the instructional dean in the major area, and complete a special petition).

6. **Competency Requirement:** Reading, writing, and mathematics competency as demonstrated by completion with a grade of "C" or better of Writing 1 and Mathematics 251 (Elementary Algebra) or a higher level course in mathematics.
7. **Continuous Attendance Requirement:** Students must maintain continuous attendance at IVC to maintain graduation requirements in effect at their time of enrollment. Continuous attendance is defined as enrollment in at least one course in an academic year.

† Restrictions apply when counting units from repeatable courses. Be sure to consult with an IVC counselor before pursuing the single-subject option of the Major Requirement.

# IVC General Education Requirements

## for the Associate in Arts and Associate in Science Degrees

**COURSES IN READING AND WRITING, SPEAKING, CRITICAL THINKING AND MATHEMATICS MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.**  
 Courses on this list may not fulfill general education requirements at the CSU and UC systems. See an IVC counselor for assistance.

### LANGUAGE AND RATIONALITY

Complete one course in each of the following three categories (A, B, and C):

#### A. READING AND WRITING

Writing 1

#### B. SPEAKING

Management 102†; Speech 1

#### C. CRITICAL THINKING

Philosophy 3; Reading 174; Speech 2, 3; Writing 2

† May be applied to the A.S. degree only

### MATHEMATICS

Complete one of the following courses:

CIS 6A, 6B; Mathematics 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30, 31, 105, 124, 200†, 251†, 253

† May be applied to the A.S. degree only

### AMERICAN INSTITUTIONS

Complete one of the following courses:

History 20, 21, 22; Political Science 1°

° May be applied to American Institutions or Social Sciences, not both

### NATURAL SCIENCES

Complete one of the following courses:

Astronomy 20/25\*; Biology 1/1L\*, 2, 3/3L\*, 5, 6/6L\*, 11, 19/19L\*, 121; Chemistry 1A, 3, 4; Earth Science 20; Geology 1, 2, 22, 23; Marine Science 20; Physics 2A, 4A, 20

\* You must complete both the lecture and the lab to receive general education credit

### SOCIAL SCIENCES

Complete one of the following courses:

Anthropology 2, 3, 4, 9; Economics 1, 2, 20; Environmental Studies 1; Geography 2, 3, 38; Human Development 7, 15; Management 1; Political Science 1°, 4, 6, 14, 17, 45; Psychology 1, 2, 3, 5, 7, 8, 21, 30, 37; Sociology 1, 2, 10, 15, 19, 20, 21, 30; Women's Studies 10

° May be applied to Social Sciences or American Institutions, not both

### CULTURAL DIVERSITY

Complete a minimum of 3 units from any of the following courses:

Anthropology 2‡, 3‡, 4‡, 7, 9, 105; Art 22‡; Dance 30‡; Geography 2‡; History 31‡, 32‡, 33‡, 40‡, 41‡, 45‡; Japanese 21‡; Literature 46‡; Management 115, 268, 269, 286; Music 21‡; Political Science 6‡, 17‡, 45‡; Sociology 20‡; Speech 9; Theatre Arts 28

‡ May be applied to both the cultural diversity category and the other category in which the course is listed.

### HUMANITIES

**A.A. Degree:** Complete one course from Humanities **and** one course from Fine Arts and Languages

**A.S. Degree:** Complete a minimum of 3 units from Humanities **and/or** Fine Arts and Languages

Art 20, 21, 22, 25, 26, 28; Dance 77; Graphic Design 150; History 10, 11, 12, 13, 31, 32, 33, 40, 41, 45; Humanities 1, 2, 3, 4, 50, 70, 71, 73; Journalism 1; Literature 1, 20, 21, 22, 23, 24, 30, 31, 32, 33, 40, 41, 42, 45, 46, 47, 101; Music 20, 21, 25, 26, 27, 28; Philosophy 1, 2, 5, 10, 11; Photography 1; Political Science 5, Theatre Arts 20, 21, 25, 26

### FINE ARTS AND LANGUAGES

**A.A. Degree:** Complete one course from Humanities **and** one course from Fine Arts and Languages

**A.S. Degree:** Complete a minimum of 3 units from Humanities **and/or** Fine Arts and Languages

Art 4, 40, 41, 80, 81, 82, 85, 86; Chinese 1, 1A/1B\*, 2, 2A/2B\*; Dance 1, 6, 7, 12, 13, 17, 18, 22, 23, 30, 36, 55, 65, 85; Fine Arts 27; French 1, 1A/1B\*, 2, 3, 4, 5, 10, 121; Graphic Design 140; Japanese 1, 1A/1B\*, 2, 2A/2B\*, 3, 4, 21; Leadership 100; Music 1, 3, 4, 5, 6, 34, 37, 39, 40, 41, 42, 43, 46, 47, 48, 54, 55, 56, 69, 70, 71, 72, 80, 81, 83, 84, 85; Photography 50, 51, 55, 56, 153, 158, 160, 180; Spanish 1, 1A/1B\*, 2, 2A/2B\*, 3, 4, 10; Speech 30, 32, 35, 100, 106; Theatre Arts 1, 2, 3, 4, 5, 7, 10, 11, 12, 15, 16, 17, 18, 19, 30, 32, 35, 40B; Writing 10, 11, 12, 13, 15

\* You must complete both courses in an A/B sequence to receive general education credit

### LIFELONG HEALTH/PERSONAL DEVELOPMENT

Complete at least one course in any two of the following three categories (A, B, C):

#### A. HEALTH AND WELLNESS

Biology 44; Dance 50, 51; Health 1, 2; Nutrition 1; Physical Education 4, 5, 6, 8, 9, 11, 12, 13, 20, 22, 23, 25, 26, 27, 32, 47, 71, 73, 74, 75, 76, 77, 78, 79, 91, 92, 94, 96, 97, 131, 192, 202, 205, 209; Physical Education Special Services 1, 6; Psychology 133

#### B. INFORMATION ACCESS

Computer and Information Management 104.1A, 107.1A, 240.1A; Library 100; Reading 171

#### C. PERSONAL AND PRACTICAL RESOURCES

Applied Psychology 100, 101, 102, 103, 104, 140, 150, 160, 174A, 174B, 174C; Management 125, 174A, 174B, 174C; Physical Education 90, 120; Women's Studies 100, 120

**A.A. Degree:** Associate in Arts Degree

**A.S. Degree:** Associate in Science Degree

## Introduction to General Education

All students seeking either the Associate in Science or Associate in Arts degree must complete a set of courses which constitute the college's "general education requirements." These requirements—sometimes known as "breadth requirements" at four-year colleges and universities—are designed to ensure that graduating students have received a comprehensive education.

General education requirements for the Associate in Science degree are not the same as those for the Associate in Arts degree. Exact requirements and options are specified on page 22. Students seeking a certificate are not obliged to meet general education requirements.

## Philosophy of General Education

The college faculty determines the scope and content of the general education requirements in the belief that students graduating with a degree from Irvine Valley College should be liberally as well as specifically educated.

The philosophy underlying a "general education" is that no discipline is an isolated endeavor; instead, each relies upon and informs a common body of knowledge, ideas, intellectual processes, cultural traditions, and modes of perception. One's understanding of a specific subject area is greatly enhanced and enriched by knowledge in and experience with other disciplines. The well-educated student is one who is able to imagine, evaluate, and respond in a wide variety of ways and in a plurality of contexts.

The faculty expects that all students receiving degrees from the college will meet minimum standards in reading, writing, speaking, critical thinking, and mathematics and be broadly exposed to the natural and social sciences, the humanities, the arts and languages, disciplines within which the human search for knowledge is carried out.

## General Education Categories

### LANGUAGE AND RATIONALITY

#### Reading and Writing

Courses in this category enable students to write clearly and effectively, particularly for the purposes of conducting an analysis, presenting a point of view, or expressing an idea or opinion; to read critically and perceptively in a variety of fields and from a variety of texts; and to reason in a logical and coherent fashion, recognizing and avoiding common fallacies of thought.

#### Speaking

Courses that fulfill this requirement emphasize the study of the nature, processes, and effects of human symbolic interaction, both verbal and nonverbal. These courses should provide theoretical and practical instruction in mass communication theory. They should also require that students research, outline, and deliver a platform presentation. Courses in this category should enable students to listen critically; to express a position reasonably; and to deliver an oral presentation in public, recognizing the need to adapt their delivery to reach a plurality of audiences for a variety of purposes.

### Critical Thinking

Courses that fulfill this requirement are designed to provide theoretical and practical instruction in "good thinking" in a general sense. More specifically, such courses emphasize knowledge and skills that enable students to reach factual or judgmental conclusions concerning any topic without fallacy and on the basis of good reasons. Thus, students are instructed in general principles concerning the interpretation of evidence, deductive and inductive inference, and the pitfalls of language and persuasion. Critical thinking courses enable students to move beyond the passive collection of evidence or data and rather engage students in active analytical and evaluative thinking.

### MATHEMATICS

Courses in this category enable students to develop mathematical thinking skills, construct logical arguments, and make valid inferences. In addition to their intrinsic value, these courses also train students in quantitative skills that are essential to many other disciplines.

### AMERICAN INSTITUTIONS

Courses in this category provide students with basic education in American history and its political system. Beyond this, they are designed to provide a theoretical and practical framework within which students can examine central themes associated with the development of an American historical narrative, political system, and its corresponding national institutions. Instruction in these courses emphasizes the study of historical themes, issues, and events as a method of developing critical intelligence and awareness of these forces in the formation of a national identity and value system. The skills acquired in these courses allow students to examine the extent to which these values and patterns of identity are reflected in American political structures, procedures, and institutions.

### NATURAL SCIENCES

A complete education includes training in the scientific method and the fundamental principles of natural science. These principles govern our world and have generated the technologies which run society and allow us to explore the universe. An understanding of the physical and biological sciences and the methods of scientific reasoning significantly enhances a person's ability to make political, moral, and social decisions.

Courses that fulfill this requirement should include an examination of physical and life science concepts, principles, theories, and laws. They should expose students to the methods of conducting scientific investigation in laboratory and field settings through observation; the collection, synthesis, and analysis of data; making calculations; graphing and drawing; and explaining conclusions. Finally, these courses should help students integrate the methods and concerns of the empirical sciences with technology and their applications in our daily lives.

## **SOCIAL SCIENCES**

An education must include training in the scientific/empirical method of inquiry used in the social and behavioral sciences, as well as the fundamental principles that govern these disciplines. These principles influence the processes of human interaction, human behavior, and social institutions and help to define us individually and collectively as a society. An understanding of the principles of the social and behavioral sciences, combined with critical thinking, enhances an individual's ability to make responsible political, moral, and social decisions in the modern, everyday world.

Courses that fulfill this requirement explore the nature of individual and collective human behavior; the political, economic, social, and psychological structures/institutions of human beings; and the challenges of developing and sustaining interpersonal and intercultural relationships. These courses should provide instruction in the fundamental principles of the scientific method and the subsequent body of knowledge accumulated through its proper application—data collection, synthesis, and analysis. Such courses should encourage students to develop a healthy skepticism of "explanations" of human behavior, human interaction, and social institutions which lack rigorous examination by qualified social scientists and /or are based upon faulty scientific methodology or unclear thinking. Thus, courses that fulfill the social and behavioral sciences requirement should engage in a high level of critical thinking so that students develop the skills required to make informed political, ethical, moral, and social decisions as participants in a successful democracy.

## **CULTURAL DIVERSITY**

Courses that fulfill this requirement assist students in achieving a more comprehensive educational experience and cultural perspective by exposing them to historical and cultural patterns that lie outside the framework of the Western and European traditions. Students may select courses investigating non-Eurocentric cultures, such as those of Africa or Asia; one of the many cultures indigenous to the Americas; or one or more of the various ethnic groups in the United States that originated in Africa or Asia. In fulfilling this requirement, students are equipped with the requisite intellectual tools to understand and appreciate an increasingly diverse local, national, and world context; to compete effectively in the global economy; to derive stimulation and knowledge from culturally diverse perspectives; and to maintain a spirit of openness for and understanding of other cultures and lifestyles.

## **HUMANITIES**

Courses that fulfill this requirement introduce students to the methods and values of humanistic study. These courses investigate the role that philosophy, literature, history, and the arts play in the shaping of human culture and the nature of humanity. Such courses undertake a critical appraisal of the central traditions, values, ideas, and texts by means of which cultures and civilizations—both Western and Eastern—have come to be formulated. Courses in this category also evaluate the major narratives of a culture in common ideas and opinions, in the fabrication of their histories, and in the major fictional and nonfictional texts of a civilization, ancient to modern. Central to these courses is the meaning of the human condition.

## **FINE ARTS AND LANGUAGES**

### **Fine Arts**

Courses in this category should engage students in the discovery and appreciation of the methods, value systems, processes, and products of the fine arts, including music, art, photography, speech, and theatre. These courses should develop students' understanding of—as well as their ability to respond to—the aesthetic significance of the formal order called "beauty" and a freer order characterized by the expression of "feeling." Courses that fulfill this requirement should enable students to examine and respond to the world as it has been represented over time and across cultures in visual, aural, tactile, and dramatic forms; to express their ideas and attitudes in an artistic medium; and to appreciate the contributions that the fine arts have made in establishing and preserving our cultural and historical traditions.

### **Languages**

Courses in this category encourage students to be competent at communicating in a foreign language, at least at the beginning level. These courses should require that students comprehend and converse in another language as well as gain insight into the daily life and culture of the peoples whose language they are studying. Included in this category may be alternative forms of human communication—such as sign language—which provide students with a broad understanding of the process of acquiring language.

## **LIFELONG HEALTH AND PERSONAL DEVELOPMENT**

Courses in this category focus on developing the processes that contribute to successful lifelong learning, understanding, and self-development. Such courses encourage students to be attentive to the health and well-being of their minds and bodies, resourceful about managing and improving the practical circumstances of their lives, and informed of ways and means by which the individual may promote lifelong personal health and personal development. Courses that fulfill this requirement should focus on the interdependence of the physiological, social/cultural, practical, and psychological/emotional factors that contribute to an individual's development, pose limitations, engender potential, and offer options to the individual throughout his or her life.

# Associate Degree Majors

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# Certificate Programs

The college awards certificates in the technological, applied, and business sciences to students who complete the courses specified for each program. Curriculum is developed by the faculty in cooperation with advisory committees comprised of business and industry representatives.

## Certificate Requirements

Specific course requirements for each certificate are listed with the program descriptions in Part II of this catalog. In many but not all cases, the courses that comprise the certificate program are the same as those that comprise the major for the Associate in Science degree.

Students must complete all of the courses in the certificate program with a grade of "C" or better. Students with previous educational or vocational experience who wish to waive a required course in a certificate program will be expected to verify equivalency by examination. Petitions for course waivers or substitutions are available in the Counseling Office. Students must complete a minimum of 12 units in residence at Irvine Valley College.

## Certificates of Competency

Certificates of competency are granted for the completion of a specified program, or specified courses, whose total requirement is less than 18 units. These locally approved certificates are designed to acknowledge basic workplace competencies and job readiness for students who are entering the workforce or upgrading their job skills.

Specific course requirements for each certificate of competency are listed with the program descriptions in Part II of this catalog. Students must complete all of the courses in the certificate of competency program with a grade of "C" or better. Students with previous educational or vocational experience who wish to waive a required course in the program will be expected to verify equivalency by examination. Petitions for course waivers or substitutions are available in the Counseling Office.

Students must complete a minimum of 12 units in residence at Irvine Valley College. In cases where the total requirement is less than 12 units, students must complete all of the courses in the certificate program at Irvine Valley College.

## Petition for Evaluation

**Certificates are not awarded automatically.** Students who expect to earn a certificate from the college must file a petition for evaluation with the Counseling Office. Responsibility for filing this petition rests with the student, and transcripts for all college work attempted must be on file for the petition to be considered.

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