

# GRADUATION REQUIREMENTS, DEGREES, CERTIFICATES AND TRANSFER PLANNING

ASSOCIATE DEGREES

CERTIFICATES OF ACHIEVEMENT AND COMPETENCY

GENERAL EDUCATION REQUIREMENTS

CSU CERTIFICATION

IGETC

UC COURSE LIST

CSU AND UC ADMISSIONS REQUIREMENTS

# 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. Students may count only one English or ESL course below transfer-level freshman composition as credit toward the associate degree. Writing 1 is the first transfer-level composition course.

## 2. Scholarship Requirement:

A minimum grade point average of 2.0 in all units attempted at Irvine Valley College **and a combined 2.0 grade point average including all work transferred to the college that is to be included in the degree evaluation.**

## 3. Residency Requirement:

A minimum of 12 units of the 60 total semester units completed in residence at Irvine Valley College.

## 4. General Education and Major Requirements

Students are urged to consult an IVC counselor for assistance in forming an educational plan prior to choosing one of the following options.

### Option A

#### General Education—Complete one of the following, (a), (b), or (c):

- (a) The Irvine Valley College Associate in Arts degree general education requirements (see page 58)
- (b) The California State University General Education Certification Pattern (CSU Certification, see page 60)
- (c) The Intersegmental General Education Transfer Curriculum (IGETC, see page 61)

### AND

**Major**—Complete an Irvine Valley College Associate in Arts degree major as defined in this college catalog (see pages 75-186).

### Option B

#### University Studies Major

Complete the University Studies major as defined in this college catalog (page 185). The University Studies major offers students various options for fulfilling general education, major and elective requirements.

## 5. Competency Requirement:

Students must meet the minimum grade standards for reading, writing, mathematics and other competencies as defined in the general education pattern they select. (See page 57.)

## 6. 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.

## ASSOCIATE IN ARTS DEGREE MAJORS

<i>Major/Emphasis</i>	<i>Page</i>
Anthropology	80
Art	81
Biology	
Biology	84
Health Sciences	85
Business Administration	88
Chemistry	92
Dance	107
Digital Media Art–Graphic Design	112
Economics	121
English	
Literature Emphasis	125
Writing Emphasis	126
Fine Arts	135
French	144
Geography	136
Geology	137
History	
American History Emphasis	139
European History Emphasis	140
Humanities	142
Mathematics	151
Music	154
Philosophy	160
Photography	162
Physical Education	164
Physical Science	169
Political Science	171
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# GRADUATION REQUIREMENTS: 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. Students may count only one English or ESL course below transfer-level freshman composition as credit toward the associate degree. Writing 1 is the first transfer-level composition course.

## 2. Scholarship Requirement:

A minimum grade point average of 2.0 in all units attempted at Irvine Valley College **and a combined 2.0 grade point average including all work transferred to the college that is to be included in the degree evaluation.**

## 3. Residency Requirement:

A minimum of 12 units of the 60 total semester units completed in residence at Irvine Valley College.

## 4. General Education and Major Requirements

Students are urged to consult an IVC counselor for assistance in forming an educational plan prior to choosing one of the following options.

### General Education—Complete one of the following, (a), (b), or (c):

- The Irvine Valley College Associate in Science degree general education requirements (see page 59)
- The California State University General Education Certification Pattern (CSU Certification, see page 60)
- The Intersegmental General Education Transfer Curriculum (IGETC, see page 61)

### AND

**Major**—Complete an Irvine Valley College Associate in Science degree major as defined in this college catalog (see pages 75–186).

## 5. Competency Requirement:

Students must meet the minimum grade standards for reading, writing, mathematics and other competencies as defined in the general education pattern they select. (See page 57.)

## 6. 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.

## ASSOCIATE IN SCIENCE DEGREE MAJORS

<i>Major/Emphasis</i>	<i>Page</i>
Accounting	75
Administration of Justice	
Law Enforcement Emphasis	77
Supervision Emphasis	77
Business Management	88
Manufacturing Assistant Emphasis	89
Supervision Emphasis	89
Computer Information Management	
Administrative Assistant/Word Processing Emphasis	95
Desktop Publishing Emphasis	95
Digital Media Technologies Emphasis	96
Local Area Networks: Cisco Emphasis	96
Microcomputer Applications Emphasis	96
Web Authoring Emphasis	96
Computer Science	
Business Programming Emphasis	102
Computer Languages Emphasis	102
Systems Analysis Emphasis	103
Computer-Integrated Manufacturing and Technology	
Computer-Aided Manufacturing Emphasis	106
Design Model Making and Rapid Prototyping	110
Drafting Technology	115
Computer-Aided Design Emphasis, Mechanical Option	115
Early Childhood Education	
Child Development	117
Infant/Toddler Emphasis	118
School-Age Child Emphasis	118
Electronic Technology	123
Electro-optics Technology Emphasis	124
Real Estate	175

# ASSOCIATE DEGREES

Students may graduate with an Associate in Arts (A.A.) or Associate in Science (A.S.) degree. The college offers students the choice of 34 A.A. degree majors in the liberal arts and sciences and 25 A.S. degree majors in the technological, applied, and business sciences. Associate degree majors are listed on page 52 and page 53.

## 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.

## DOUBLE COUNTING COURSES

Students may use a course to fulfill both a major requirement and a general education requirement.

## APPLICATION FOR GRADUATION

Associate degrees and certificates are not awarded automatically. Students who expect to graduate from the college must file an application for a degree or certificate with the Office of Admissions and Records. Students who apply for degrees or certificates by March 24, 2006, will be evaluated for participation in May commencement ceremonies. Responsibility for filing this application rests with the student, and transcripts for all college work attempted must be on file for the application to be accepted.

Application deadlines for filing for graduation are as follows:

- Fall 2005:** November 18, 2005
- Spring 2006:** March 24, 2006
- Summer 2006:** July 21, 2006

*Applications received after a deadline date are included in the next semester.*

## CERTIFICATION

CSU or IGETC certification is not awarded automatically. Students who expect to complete transfer certification must file an application with the Office of Admissions and Records in the semester that certification is to be completed. Responsibility for filing an application rests with the student, and transcripts for all college work attempted must be on file for the application to be accepted.

Students only completing certification are not included in the May commencement ceremony. However, if the student is applying for a certification with degree, the deadline dates above apply, as well as the commencement information below.

## COMMENCEMENT

Commencement is held once a year, in May, for students who have completed the requirements for their degree or certificate any semester during the year, including the summer session. **Students must file their application for graduation by March 24, 2006, to participate in the May commencement ceremony.** Students should consult the Office of Admissions and Records for further information and details.

## SECOND DEGREE REQUIREMENTS

### STUDENTS WITH BACCALAUREATE OR HIGHER DEGREES

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

1. Completing those general education requirements for which equivalents have not been completed;
2. Completing a minimum of 12 units in residence;
3. (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
4. Achieving a minimum grade point average of 2.0 or above for all units counted toward 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.

### **Transfer Credit from Foreign Institutions:**

Students seeking evaluation of foreign coursework must provide a transcript evaluated by an accredited evaluation and translation service (see the Counseling Office or International Student Center for referrals). Students must turn in the official evaluation to the Office of Admissions and Records for inclusion in their record and then set up an appointment with the Counseling Office so that their transfer work may be evaluated. Coursework from foreign institutions cannot be used for CSU or IGETC certification except to validate the foreign language requirement.

## 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 a second degree by

1. Completing those general education requirements for which equivalents have not been completed;
2. Completing a minimum of 12 units in residence; and
3. (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;
4. Achieving a minimum grade point average of 2.0 or above for all units counted toward the degree.

## STUDENTS WITH PRIOR 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. They have completed those general education requirements for which equivalents have not been completed;
2. (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
3. They have achieved a minimum grade point average of 2.0 or above for all units counted toward the degree.

# CERTIFICATES

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 OF ACHIEVEMENT REQUIREMENTS**

Certificates of achievement are granted for the completion of a specified program, or specified courses, whose total requirement is 18 units or more. These state-approved certificates acknowledge workplace competencies and job readiness.

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

Students must complete all of the courses in the certificate program with a grade of "C" or better. A minimum of 12 units in the certificate program must be completed at Irvine Valley College.

## **CERTIFICATE OF COMPETENCY REQUIREMENTS**

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 this catalog. Students must complete all of the courses in the certificate of competency program with a grade of "C" or better.

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.

## **WAIVER OF CERTIFICATE REQUIREMENTS**

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.

## **APPLICATION FOR EVALUATION**

Certificates are not awarded automatically. Students who expect to earn a certificate from the college must file an application for evaluation with the Office of Admissions and Records. Responsibility for filing this application rests with the student, and transcripts for all college work attempted must be on file for the application to be considered. Students who apply for degrees or certificates by March 24, 2006, will be evaluated for participation in May commencement ceremonies.

## **CERTIFICATES OF ACHIEVEMENT**

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Supervision	77
Business Management	88
Manufacturing Assistant	89
Retail Management	89
Supervision	89
Computer Information Management	
Administrative Assistant/ Word Processing	95
Desktop Publishing	95
Digital Media Technologies Emphasis	96
Local Area Networks: Cisco	96
Microcomputer Applications	96
Web Authoring	96
Computer Science	
Business Programming	102
Computer Languages	102
Systems Analysis	103
Computer-Integrated Manufacturing and Technology	
Computer-Aided Manufacturing	106
Design Model Making and Rapid Prototyping	110
Digital Media Art –Graphic Design	112
Drafting Technology	115
Computer-Aided Design, Mechanical	115
Early Childhood Education	
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## **CERTIFICATES OF COMPETENCY**

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Digital Graphics Applications	97
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# GENERAL EDUCATION

## PHILOSOPHY

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.

## 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.

## 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 rep-

resented 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.

## 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.

## 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.

## COMPETENCY REQUIREMENT, GENERAL EDUCATION COMPARISON

COMPLETION OF COURSE WITH A GRADE OF "C" OR BETTER REQUIRED

REQUIREMENT	IVC A.A.	IVC A.S.	CSU CERT.	IGETC
READING AND WRITING	Wr. 1	Wr. 1	Wr. 1	Wr. 1
SPEAKING/ORAL COMMUNICATION	Sp. 1	Sp. 1 or Mgt. 102	Sp. 1	n/a
CRITICAL THINKING	Phil. 3, Psyc. 2, 110 Rd. 174, Sp. 2, Sp. 3, Wr. 2	Phil. 3, Psyc. 2, 110 Rd. 174, Sp. 2, Sp. 3, Wr. 2	Phil. 3, Rd. 174 Sp. 2, Sp. 3, Wr. 2	Wr. 2
MATH/QUANTITATIVE REASONING	CIS 6A, 6B; Econ 10; Math 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30, 31, 105, 124, 253; Mgt. 10; Psyc. 10	CIS 6A, 6B; Econ 10; Math 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30, 31, 105, 124, 251, 253; Mgt. 10; Psyc. 10	CIS 6A, 6B; Math 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30, 31, 105, 124; Psyc. 10	CIS 6A, 6B; Math 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30, 31; Psyc. 10

**IRVINE VALLEY COLLEGE**  
**GENERAL EDUCATION REQUIREMENTS 2005-2006**  
**FOR THE ASSOCIATE IN ARTS DEGREE**

**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.**

**Students must file an application for graduation in the Office of Admissions and Records early in their final semester at IVC. The application for graduation includes an evaluation of the student's general education and major course requirements. See an IVC counselor for assistance.**

*† Cross-listed courses: credit will be given in one area only.*

**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**

Speech 1

**C. CRITICAL THINKING**

Philosophy 3  
Psychology 2, 110  
Reading 174  
Speech 2, 3  
Writing 2

**MATHEMATICS**

*Complete one of the following courses:*

Computer Science 6At, 6B†  
Economics 10†  
Management 10†  
Mathematics 2, 3A, 3B, 4A, 8, 9, 10, 11, 24, 26, 30†, 31†, 105, 124, 253  
Psychology 10

**AMERICAN INSTITUTIONS**

*Complete one of the following courses:*

History 20, 21  
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, 5, 6/6L\*, 11, 19, 94/94L\*, 121  
Chemistry 1A, 3, 4  
Earth Science 20  
Geology 1, 2, 22, 23  
Marine Science 20  
Physics 2A, 4A, 20

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

**SOCIAL SCIENCES**

*Complete one of the following courses:*

Administration of Justice 2, 4, 5, 8  
Anthropology 2, 3, 4, 7, 9, 21  
Economics 1, 2, 6, 13, 20  
Environmental Studies 1  
Geography 2, 3, 38  
History 45†  
Human Development 7†, 15†  
Management 1  
Political Science 1°, 4, 6, 14, 17, 45†  
Psychology 1, 2, 3, 5, 7†, 21, 30, 37, 106  
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‡, 21‡  
Art 22‡  
Dance 30‡  
Geography 2‡  
History 31‡, 32‡, 33‡, 40‡, 41†‡, 45†‡  
Human Development 230  
Japanese 21‡  
Literature 46‡  
Management 115, 268, 269  
Music 21‡  
Political Science 6‡, 17‡, 41†‡, 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**

*Complete one of the following courses:*

History 10, 11, 12, 13, 31, 32, 33, 40, 41†, 45†  
Humanities 1, 2, 3, 4, 50, 70, 71, 73  
Literature 1, 20, 21, 22, 23, 24, 30, 31, 32, 33, 40, 41, 42, 43, 45, 46, 47, 107  
Philosophy 1, 2, 5†, 7, 10, 11  
Political Science 5†, 41†, 45†

**FINE ARTS AND LANGUAGES**

*Complete one of the following courses:*

Art 4, 20, 21, 22, 25, 26, 28, 40, 41, 50, 70, 71, 78, 80, 81, 82, 85, 86  
Chinese 1, 1A/1B\*, 2, 2A/2B\*, 3, 3A/3B\*  
Dance 1, 6, 7, 12, 13, 17, 18, 22, 23, 30, 33, 36, 55, 65, 77, 85  
Digital Media Art 50, 51†, 140, 150  
Fine Arts 27  
French 1, 1A/1B\*, 2, 3, 4, 5, 10, 121  
Japanese 1, 1A/1B\*, 2, 2A/2B\*, 3, 4, 10, 21  
Music 1, 3, 4, 5, 6, 20, 21, 27, 28, 34, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 54, 55, 56, 70, 71, 72, 80, 81, 82, 83, 84, 85  
Photography 1, 50, 51†, 55, 56, 160  
Sign Language 132, 133  
Spanish 1, 1A/1B\*, 2, 2A/2B\*, 3, 4, 10  
Speech 30†, 35†, 100, 106  
Theatre Arts 1, 2, 3, 4, 5, 7, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 25, 26, 30†, 35†, 40B  
Writing 10, 11, 12, 13

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

**LIFELONG HEALTH AND PERSONAL DEVELOPMENT**

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

**A. HEALTH AND WELLNESS**

Adaptive Physical Education 1, 6  
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  
Psychology 133

**B. INFORMATION ACCESS**

Computer Information Management 104.1, 107.1, 240.1  
Library 10  
Reading 171

**C. PERSONAL AND PRACTICAL RESOURCES**

College Studies 1, 101, 102, 103, 104, 150  
Economics 105  
Electronic Technology 101  
Human Development 270  
Management 105, 125  
Physical Education 85, 90  
Women's Studies 100, 120

**IRVINE VALLEY COLLEGE**  
**GENERAL EDUCATION REQUIREMENTS 2005-2006**  
**FOR THE ASSOCIATE IN SCIENCE DEGREE**

**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.**

**Students must file an application for graduation in the Office of Admissions and Records early in their final semester at IVC. The application for graduation includes an evaluation of the student's general education and major course requirements. See an IVC counselor for assistance.**

*† Cross-listed courses: credit will be given in one area only.*

**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  
Psychology 2, 110  
Reading 174  
Speech 2, 3  
Writing 2

**MATHEMATICS**

*Complete one of the following courses:*

Computer Science 6A†, 6B†  
Economics 10†  
Management 10†  
Mathematics 2, 3A, 3B, 4A, 8, 9,  
10, 11, 24, 26, 30†, 31†, 105, 124,  
251, 253  
Psychology 10

**AMERICAN INSTITUTIONS**

*Complete one of the following courses:*

History 20, 21  
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, 5, 6/6L\*, 11, 19,  
94/94L\*, 121  
Chemistry 1A, 3, 4  
Earth Science 20  
Geology 1, 2, 22, 23  
Marine Science 20  
Physics 2A, 4A, 20

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

**SOCIAL SCIENCES**

*Complete one of the following courses:*

Administration of Justice 2, 4, 5, 8  
Anthropology 2, 3, 4, 7, 9, 21  
Economics 1, 2, 6, 13, 20  
Environmental Studies 1  
Geography 2, 3, 38  
History 45†  
Human Development 7†, 15†  
Management 1  
Political Science 1°, 4, 6, 14, 17, 45†  
Psychology 1, 2, 3, 5, 7†, 21, 30,  
37, 106  
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‡,  
21‡  
Art 22‡  
Dance 30‡  
Geography 2‡  
History 31‡, 32‡, 33‡, 40‡, 41†‡,  
45†‡  
Human Development 230  
Japanese 21‡  
Literature 46‡  
Management 115, 268, 269  
Music 21‡  
Political Science 6‡, 17‡, 41†‡,  
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, FINE ARTS AND LANGUAGES**

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

Art 4, 20, 21, 22, 25, 26, 28, 40, 41,  
50, 70, 71, 78, 80, 81, 82, 85, 86  
Chinese 1, 1A/1B\*, 2, 2A/2B\*, 3,  
3A/3B\*  
Dance 1, 6, 7, 12, 13, 17, 18, 22, 23,  
30, 33, 36, 55, 65, 77, 85  
Digital Media Art 50, 51†, 140, 150  
Fine Arts 27  
French 1, 1A/1B\*, 2, 3, 4, 5, 10, 121  
History 10, 11, 12, 13, 31, 32, 33, 40,  
41†, 45†  
Humanities 1, 2, 3, 4, 50, 70, 71, 73  
Japanese 1, 1A/1B\*, 2, 2A/2B\*, 3,  
4, 10, 21  
Literature 1, 20, 21, 22, 23, 24, 30,  
31, 32, 33, 40, 41, 42, 43, 45, 46,  
47, 107  
Music 1, 3, 4, 5, 6, 20, 21, 27, 28, 34,  
37, 38, 39, 40, 41, 42, 43, 44, 46,  
47, 48, 54, 55, 56, 70, 71, 72, 80,  
81, 82, 83, 84, 85  
Philosophy 1, 2, 5†, 7, 10, 11;  
Photography 1, 50, 51†, 55, 56, 160  
Political Science 5†, 41†, 45†  
Sign Language 132, 133  
Spanish 1, 1A/1B\*, 2, 2A/2B\*, 3, 4, 10  
Speech 30†, 35†, 100, 106  
Theatre Arts 1, 2, 3, 4, 5, 7, 10, 11, 12,  
15, 16, 17, 18, 19, 20, 21, 25, 26,  
30†, 35†, 40B  
Writing 10, 11, 12, 13

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

**LIFELONG HEALTH AND PERSONAL DEVELOPMENT**

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

**A. HEALTH AND WELLNESS**

Adaptive Physical Education  
1, 6  
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  
Psychology 133

**B. INFORMATION ACCESS**

Computer Information  
Management 104.1, 107.1,  
240.1  
Library 10  
Reading 171

**C. PERSONAL AND PRACTICAL RESOURCES**

College Studies 1, 101, 102,  
103, 104, 150  
Economics 105  
Electronic Technology 101  
Human Development 270  
Management 105, 125  
Physical Education 85, 90  
Women's Studies 100, 120

# CSU CERTIFICATION: IRVINE VALLEY COLLEGE 2005-2006

Students planning to graduate from any California State University (CSU) campus must complete 48 units in general education, 39 of which may be completed at IVC prior to transfer. Nine semester units of upper-division coursework in general education must be completed after transfer at the campus awarding the degree. Area requirements and courses of the 2005-2006 General Education Certification List (below) apply to all students, continuing and new, transferring to CSU beginning Fall 2005.

**Students must file for CSU evaluation in the Office of Admissions and Records early in their final semester at IVC. Certification will be provided only for students who have completed a minimum of 12 units at Irvine Valley College. PLEASE NOTE: CSU Certification represents only a portion of the 60 total units that students must complete before transferring. Please see an IVC counselor to determine your lower-division major requirements.**

## COURSES IN AREAS A1-A3 AND AREA B4 MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

° Cross-listed courses: credit will be given in one area only

### AREA A: COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING

A minimum of 9 semester units or 12-15 quarter units, including one course from each of the three categories below.

#### A1: ORAL COMMUNICATION

Speech 1

#### A2: WRITTEN COMMUNICATION

Writing 1

#### A3: CRITICAL THINKING

Philosophy 3

Reading 174

Speech 2, 3

Writing 2

### AREA B: PHYSICAL UNIVERSE AND ITS LIFE FORMS

A minimum of 9 semester units or 12-15 quarter units, including at least one course in the physical sciences, one course in the biological sciences, and one course in mathematics. At least one course must be a lab science.

#### B1: PHYSICAL SCIENCE

Astronomy 20, 20/25\*

Chemistry 1A\*, 3\*, 4\*

Earth Science 20\*

Geography 1

Geology 1\*, 2\*, 3, 22\*, 23\*

Marine Science 20\*

Physics 2A\*, 4A\*, 20\*

#### B2: LIFE SCIENCE

Anthropology 1

Biology 1, 1/1L\*, 2\*, 4, 5\*, 6,

6/6L\*, 11\*, 12\*, 19\*, 30, 43, 94,

94/94L\*, 97, 121\*

#### B3: LABORATORY ACTIVITY

Any laboratory science course indicated by an asterisk in categories B1 and B2 meets this requirement.

#### B4: MATHEMATICS/QUANTITATIVE REASONING

Computer Science 6A°, 6B°;

Math 2, 3A, 3B, 4A, 8, 9, 10, 11,

24, 26, 30°, 31°, 105, 124

Psychology 10

\* Any lab science course indicated by an asterisk in B1 and B2 meets the B3 laboratory science requirement.

### AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGES

A minimum of 9 semester units or 12-15 quarter units distributed among the disciplines. At least 3 units must be from the Arts and 3 units from the Humanities.

#### C1: ARTS (ART, DANCE, MUSIC, THEATRE)

Art 4, 20, 21‡, 22, 25, 26, 28, 40, 80

Dance 77

Digital Media Art 150

Fine Arts 27

Music 1, 20, 21‡, 27, 28, 34, 37, 39, 40, 41, 54, 55, 56, 80, 81

Photography 1, 50, 55, 56, 160

Speech 30°, 100, 106

Theatre Arts 1, 8, 10, 11, 15, 16,

17, 19, 20, 21, 25, 26, 28, 30°,

40B

‡ Credit will be given in either Area C or Area D, not both.

#### C2: HUMANITIES (LITERATURE, PHILOSOPHY, FOREIGN LANGUAGE)

Any French, Japanese, or Spanish course numbered 1-10\*

Chinese 1, 1A/1B\*, 2, 2A/2B\*

French 20

History 10, 11, 51‡

Humanities 1, 2, 3, 4, 50, 70, 71

Japanese 21

Literature 1, 20, 21, 22, 23, 24,

30, 31, 32, 33, 40, 41, 42, 43, 45,

46, 47

Philosophy 1, 2, 5°, 6, 10, 11

Political Science 5°

Sign Language 132, 133, 134,

135

Writing 10, 11, 12, 13

‡ Credit will be given in either Area C or Area D, not both.

\* Credit for courses in an A/B sequence will be given only upon completion of both the A and the B course.

### AREA D: SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS

A minimum of 9 semester units or 12-15 quarter units. No more than 6 units may be taken in a single discipline.

Prior to graduation from CSU, students must fulfill the **AMERICAN INSTITUTIONS REQUIREMENT. Political Science 1 and History 20 or 21** will fulfill this requirement. The two courses used to meet this requirement may also be used to meet 6 of the 9 units in Area D.

#### D1: ANTHROPOLOGY AND ARCHAEOLOGY

Anthropology 2, 3, 4, 7, 9

#### D2: ECONOMICS

Economics 1, 2, 20

#### D3: ETHNIC STUDIES

History 33;

Music 21‡

Sociology 20

#### D4: GENDER STUDIES

Anthropology 21

History 51‡

Psychology 21

Sociology 19, 21

Women's Studies 10, 100

#### D5: GEOGRAPHY

Geography 2, 3, 38

#### D6: HISTORY

History 12, 13, 20, 21, 24, 31,

32, 40, 41, 45°, 51‡

Political Science 45°

#### D7: INTERDISCIPLINARY SOCIAL OR BEHAVIORAL SCIENCE

Environmental Studies 1

#### D8: POLITICAL SCIENCE, GOVERNMENT AND LEGAL INSTITUTIONS

Administration of Justice 2, 4,

113

History 45°;

Political Science 1, 4, 6, 7, 12,

14, 17, 45°

#### D9: PSYCHOLOGY

Human Development 7°†

Psychology 1, 2, 3, 5, 7°†, 30°;

Sociology 30°

### D0: SOCIOLOGY AND CRIMINOLOGY

Administration of Justice 2,

4, 5, 8

Human Development 15°

Psychology 30°

Sociology 1, 2, 10, 15°, 30°

‡ Credit will be given in either Area C or Area D, not both.

† Credit will be given in either Area D or Area E, not both.

### AREA E: LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT

A minimum of 3 semester units or 4-5 quarter units. No more than 1.5 units of physical education activity courses and/or dance courses may be used to fulfill this requirement.

Adaptive Physical Education 1, 6

College Studies 1, 102, 103, 104, 150

Biology 44

Dance 1, 6, 7, 12, 13, 17, 18, 22, 30,

36, 50, 51, 55, 65

Health 1

Human Development 7°†

Nutrition 1

Physical Education 4, 5, 6, 8, 9, 11,

12, 13, 20, 22, 23, 25, 26, 27, 47, 71,

73, 74, 75, 76, 77, 78, 79, 90, 91, 92,

94, 96, 97, 131

Psychology 7°†, 133

Reading 171

Women's Studies 100, 120

† Credit will be given in either Area D or Area E, not both.

**IMPORTANT NOTE: Courses on this list are approved for the 2005-2006 catalog year.** Students wishing to use a course taken prior to Fall 2005 to fulfill a CSU requirement must be sure that the course was approved for the academic year in which it was taken. For a complete listing of courses and their approval dates, students may log on to [www.assist.org](http://www.assist.org) or contact the Counseling Center or Transfer Center for assistance.

# IGETC CERTIFICATION: IRVINE VALLEY COLLEGE 2005-2006

Irvine Valley College transfer students may fulfill the lower-division general education requirements for UC and CSU campuses by completing the Intersegmental General Education Transfer Curriculum—IGETC. UC applicants also have the option of completing the specific lower-division breadth and general education requirements of the school (or college campus) to which they intend to transfer. CSU applicants may also complete the General Education Certification pattern.

**Important: Students should consult an IVC counselor before beginning the IGETC**, especially if using coursework from Saddleback or other colleges to fulfill IVC's IGETC pattern or if pursuing high-unit majors such as Engineering, Computer Information Science, Biology, or Chemistry. Students should read the provisions noted in the box below and discuss with their counselor restrictions that may apply to the IGETC.

**Students must file for IGETC evaluation in the Office of Admissions and Records early in their final semester at IVC.**  
**Certification will be provided for students whose last coursework toward IGETC was completed at Irvine Valley College.**  
**PLEASE NOTE: IGETC Certification represents only a portion of the 60 total units that students must complete before transferring.**  
**Please see an IVC counselor to determine your lower-division major requirements.**

**ALL IGETC COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.**  
 Students must complete the entire IGETC before transferring (consult a college counselor for clarification).  
**Consult an IVC counselor or IVC Transfer Center about campuses that do not accept the IGETC.**

° *Cross-listed courses: credit will be given in one area only*

## AREA 1: ENGLISH COMMUNICATION

**CSU:** *Three courses required, one each from Group A, B and C.*

**UC:** *Two courses required, one each from Group A and B.*

**1A: ENGLISH COMPOSITION**  
Writing 1

**1B: CRITICAL THINKING—ENGLISH COMPOSITION**  
Writing 2

**1C: ORAL COMMUNICATION (CSU requirement only)**  
Speech 1

## AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

*At least one course. 3 semester units, 4–5 quarter units.*

**2A: MATH**  
Computer Science 6A°, 6B°  
Math 2\*, 3A\*, 3B, 4A, 8\*, 9, 10\*, 11\*, 24, 26, 30°, 31°  
Psychology 10

*\* Transfer credit may be limited by UC or CSU or both; see the UC course list*

## AREA 3: ARTS AND HUMANITIES

*At least three courses, at least one from the Arts and one from the Humanities. 9 semester units, 12–15 quarter units.*

**3A: ARTS**  
Art 4, 20, 21, 22, 25, 26, 28;  
Dance 77;  
Fine Arts 27;  
Music 1\*, 20, 21, 27, 28;  
Photography 1;  
Theatre Arts 20, 21, 25, 26

## 3B: HUMANITIES

Chinese 3, 3A/3B\*  
French 3, 4, 20  
History 10, 11, 12, 13, 20\*, 21\*, 24, 31, 32, 33, 40, 41°, 45°, 51†  
Humanities 1, 2, 3, 4, 50, 70, 71  
Japanese 10, 21  
Literature 1, 20, 21, 22, 23, 24, 30, 31, 32, 33, 40, 41, 42, 43, 45, 46, 47  
Philosophy 1, 2, 5°, 6, 10, 11  
Political Science 5°, 41°, 45°  
Spanish 3, 4

*\* Transfer credit may be limited by UC or CSU or both; see the UC course list*  
 † *Credit will be given in Area 3B or 4D, not both*

## AREA 4: SOCIAL AND BEHAVIORAL SCIENCES

*At least three courses from at least two disciplines or an interdisciplinary sequence. 9 semester units, 12–15 quarter units.*

**4A: ANTHROPOLOGY AND ARCHAEOLOGY**  
Anthropology 2, 3, 4, 7, 9

**4B: ECONOMICS**  
Economics 1, 2, 20\*

**4D: GENDER STUDIES**  
Anthropology 21  
History 51  
Women's Studies 10

**4E: GEOGRAPHY**  
Environmental Studies 1;  
Geography 2, 3, 38

**4H: POLITICAL SCIENCE, GOVERNMENT AND LEGAL INSTITUTIONS**  
Political Science 1, 4, 6, 7, 12, 14, 17

**4I: PSYCHOLOGY**  
Psychology 1, 2, 3, 5, 7°, 21, 30°  
Human Development 7°  
Sociology 30°

## 4J: SOCIOLOGY AND CRIMINOLOGY

Administration of Justice 2  
Human Development 15°  
Psychology 30°  
Sociology 1, 2, 15°, 19, 20, 21, 30°

† *Credit will be given in Area 3B or 4D, not both*

## AREA 5: PHYSICAL AND BIOLOGICAL SCIENCES

*At least two courses, one Physical Science course and one Biological Science course; at least one must include a laboratory. Underlined courses have a laboratory component. 7–9 semester units, 9–12 quarter units.*

## 5A: PHYSICAL SCIENCE

Astronomy 20, 25  
Chemistry 1A, 1B, 3\*, 4\*  
Earth Science 20\*  
Geography 1  
Geology 1, 2, 3, 22, 23  
Marine Science 20  
Physics 2A\*, 2B\*, 4A\*, 4B\*, 4C\*, 20\*

*\* Transfer credit may be limited by UC or CSU or both; see the UC course list*

## 5B: BIOLOGICAL SCIENCE

Anthropology 1  
Biology 1\*, 1/1L\*, 2, 4, 5, 6, 6/6L, 11, 12, 15, 19, 30, 43, 44, 94, 94/94L, 97

*\* Transfer credit may be limited by UC or CSU or both; see the UC course list*

## AREA 6: LANGUAGES OTHER THAN ENGLISH (UC Requirement only)

*This requirement may be fulfilled by (a) completing two years of a foreign language in high school with a grade of "C" or better; or (b) demonstrating the equivalent ability by performance on tests, such as earning a minimum score of 500 on an appropriate College Board Achievement Test in a foreign language; or (c) completing Chinese, French, Japanese, or Spanish 1, or 1A and 1B, at Irvine Valley College.*

## AREA 7: CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS (Not part of IGETC; may be completed prior to transfer.)

*One course from Political Science and one course from History/Economics. 6 semester units.*

**7A: Political Science**  
Political Science 1

**7B: History/Economics**  
History 20, 21

**Note:** *If courses are used to meet this requirement, they may not also be used in Area 3 or 4.*

**IMPORTANT NOTE: Courses on this list are approved for the 2005-2006 catalog year.** Students wishing to use a course taken prior to Fall 2005 to fulfill an IGETC requirement must be sure that the course was approved for the academic year in which it was taken. For a complete listing of courses and their approval dates, students may log on to [www.assist.org](http://www.assist.org) or contact the Counseling Center or Transfer Center for assistance.

# IGETC: INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM

The Intersegmental General Education Transfer Curriculum (IGETC) is a series of courses prospective transfer students attending California community colleges may complete to satisfy the lower-division breadth/general education requirements at both the University of California and the California State University. It was developed to simplify the transfer process for students. The University of California has developed an agreement with each California community college that specifies which of its courses may be applied to each category of the IGETC.

***If students choose to follow the IGETC, they must complete it before they transfer; otherwise, they will be required to satisfy the specific lower-division general education requirements of the college or school at the campus they attend.***

All IGETC coursework does not have to be completed at the same college. Courses taken at more than one California community college may be used to fulfill the IGETC. However, application of courses to IGETC subject areas may vary from college to college.

The IGETC is most helpful to students who want to keep their options open—those who know they want to transfer but have not yet decided upon a particular institution, campus or major. Certain students, however, will not be well served by following the IGETC. If students intend to transfer into a major that requires extensive lower-division preparation, such as engineering or the physical and natural sciences, they should concentrate on completing the many prerequisites for the major that the college screens for to determine eligibility for admission (see IGETC Exceptions, next column). Irvine Valley College counselors or UC or CSU admissions representatives can give students additional information about IGETC and advise them of which path is best for each student.

The IGETC is not an admissions requirement. Completing it is not required, nor does it guarantee admission to the campus or program of choice. However, completing the lower-division breadth/general education requirements—through the IGETC or the campus-specific requirements (depending upon the program)—may improve a transfer applicant's chances for admission to a competitive campus and/or program.

## **GPA REQUIREMENT**

IGETC courses must be completed with a grade of "C" or better. A grade of "Credit" (for courses taken on a credit/no-credit basis) will be accepted; however, students are advised to complete writing and math courses for a letter grade instead of opting for credit/no-credit.

## **APPLYING COURSES**

Courses may be used only once to satisfy one IGETC subject area, even if they are listed in the course agreement under more than one subject area. Courses may be used to satisfy both the IGETC and major requirements.

## **IGETC EXCEPTIONS: UNIVERSITY OF CALIFORNIA CAMPUSES**

Students with a substantial amount of coursework from institutions outside the United States should consult with a counselor to determine whether they should complete the IGETC or the lower-division breadth/general education requirements at the campus they plan to attend.

**Berkeley:** The Colleges of Engineering, Environmental Design, Chemistry and Natural Resources, and the Haas School of Business have extensive, prescribed major prerequisites. Moreover, the IGETC requirements generally exceed the college-specific breadth requirements (but do not supersede the major requirements). In general, IGETC is not appropriate preparation for majors in these colleges.

**Los Angeles:** The Henry Samueli School of Engineering and Applied Science does not accept the IGETC.

**Merced:** The Division of Engineering and Natural Science does not recommend the IGETC.

**Riverside:** The Marlan and Rosemary Bourns College of Engineering and the College of Natural and Agricultural Sciences do not accept the IGETC, although any courses taken to satisfy the IGETC may be applied toward the college's breadth pattern. UCR's College of Humanities, Arts, and Social Sciences does accept the IGETC.

**San Diego:** The IGETC is accepted at John Muir, Earl Warren, Sixth and Thurgood Marshall colleges only. Students completing the IGETC are welcomed at Eleanor Roosevelt and Revelle colleges; however, they must also fulfill the specific general education requirements of those colleges. At UCSD, all majors are available to students in each college, so students who choose the IGETC will not be restricted in their choice of major, unless the major is impacted.

**Santa Barbara:** In general, IGETC is not appropriate preparation for transfer into the College of Engineering (and the B.A. Computer Science major in the College of Letters and Science). Engineering transfers may use IGETC only to substitute for lower-division breadth/general education requirements. Many students will be required to complete at least two upper-division general education courses after transfer. Students who plan a major within chemistry, biological sciences, physics or geology will be better served by completing preparation for the major rather than IGETC.

# UC COURSE LIST: IVC TRANSFER COURSE AGREEMENT 2005-2006

This agreement lists Irvine Valley College courses transferable for unit credit at all UC campuses and explains UC credit provisions.

## Accounting 1A, 1B

**Administration of Justice** 2, 4, 5, 8<sup>∇</sup>, 12<sup>∇</sup>

<sup>∇</sup> UC credit pending

**Anthropology** 1, 2, 3, 4, 7, 9, 21

**Art** 4, 20, 21, 22, 25, 26, 28, 40, 41, 50, 51, 52, 58, 59, 70, 71, 78, 80, 81, 82, 85, 86

**Astronomy** 20, 25

**Biology** 1<sup>°</sup>, 1L, 2, 4, 5, 6, 6L, 11, 12, 12D<sup>‡</sup>, 13<sup>▲</sup>, 15, 19, 30, 43, 44, 93, 94, 94L, 97, 99, 99L

<sup>°</sup> No credit for Biology 1 if taken after a college course in biology

<sup>‡</sup> Bio. 12 D must be taken in conjunction with Bio. 12 for transfer credit to be granted

<sup>▲</sup> Granting of transfer credit is contingent upon a review of the course outline by a UC campus

**Chemistry** 1A, 1B, 3<sup>†</sup>, 4<sup>°</sup>, 12A<sup>°</sup>, 12B

<sup>†</sup> No credit for Chemistry 3 if taken after Chemistry 1A

<sup>°</sup> Chemistry 4 and 12A combined: maximum credit, one course

**Chinese** 1, 1A\*, 1B\*, 2, 2A<sup>†</sup>, 2B<sup>†</sup>, 3, 3A<sup>‡</sup>, 3B<sup>‡</sup>

\* Chinese 1A/1B is equivalent to Chinese 1: maximum credit, 5 units; 1A and 1B must both be taken for transfer credit to be granted

<sup>†</sup> Chinese 2A/2B is equivalent to Chinese 2: maximum credit, 5 units; 2A and 2B must both be taken for transfer credit to be granted

<sup>‡</sup> Chinese 3A/3B is equivalent to Chinese 3: maximum credit, 5 units; 3A and 3B must both be taken for transfer credit to be granted

**College Studies** 1

**Computer Science** 1, 6A, 6B, 21, 30A, 34, 36, 37, 38, 39<sup>∇</sup>, 40A, 40B, 41, 50A, 142<sup>∇</sup>

<sup>∇</sup> UC credit pending

**Dance** 1, 6, 7, 12, 13, 17, 18, 22, 23, 30, 33, 36, 50\*, 51\*, 55, 65, 77, 85

\* Any or all of these courses combined with Physical Education or Intercollegiate Athletics activity courses: maximum credit, 4 units

**Digital Media Art** 50<sup>∇</sup>, 51, 55, 65

<sup>∇</sup> UC credit pending

**Drafting** 50

**Earth Science** 20\*

\* No credit if taken after a college course in Astronomy, Geology, Meteorology or Oceanography

**Economics** 1, 2, 6<sup>∇</sup>, 10<sup>∇</sup>, 13<sup>∇</sup>, 20\*, 30<sup>∇</sup>

\* No credit for Economics 20 if taken after Economics 1 or 2

<sup>∇</sup> UC credit pending

**Engineering** 21, 23

**English, see Literature; see Writing**

**English as a Second Language** 81A/B

**Environmental Studies** 1

**Fine Arts** 27

**French** 1, 1A\*, 1B\*, 2, 2A<sup>†</sup>, 2B<sup>†</sup>, 3, 4, 5, 10, 20

\* French 1A/1B is equivalent to French 1: maximum credit, 5 units; 1A and 1B must both be taken for transfer credit to be granted

<sup>†</sup> French 2A/2B is equivalent to French 2: maximum credit, 5 units; 2A and 2B must both be taken for transfer credit to be granted

**Geography** 1, 2, 3, 38

**Geology** 1, 2, 3, 22\*, 23

\* No credit if taken after Geology 2

**Health** 1, 2<sup>‡</sup>

<sup>‡</sup> Health 2 and PE 88 combined: maximum credit, 3 units

**History** 10, 11, 12, 13, 20, 21, 24, 31, 32, 33, 40, 41, 45, 51

**Human Development** 7, 15

**Humanities** 1, 2, 3, 4, 50, 70, 71, 73

**Japanese** 1, 1A\*, 1B\*, 2, 2A\*, 2B\*, 3, 4, 10, 21

\* Japanese 1A/1B is equivalent to Japanese 1: maximum credit, 5 units; 1A and 1B must both be taken for transfer credit to be granted

\* Japanese 2A/2B is equivalent to Japanese 2: maximum credit, 5 units; 2A and 2B must both be taken for transfer credit to be granted

**Library** 10

**Literature** 1, 20, 21, 22, 23, 24, 30, 31, 32, 33, 40, 41, 42, 43, 45, 46, 47

**Management** 1, 10<sup>∇</sup>, 12A

<sup>∇</sup> UC credit pending

**Marine Science** 20

**Mathematics** 2<sup>†</sup>, 3A\*, 3B, 4A, 8<sup>†</sup>, 9, 10<sup>°</sup>, 11\*, 24, 26, 30, 31

<sup>†</sup> Mathematics 2: maximum credit of 4 units; Mathematics 8: maximum credit of 4 units; Mathematics 2 and 8 combined: maximum credit of 4 units

\* Mathematics 3A and 11 combined: maximum credit, one course

<sup>°</sup> Mathematics 10 and Psychology 10 combined: maximum credit, one course

**Music** 1<sup>†</sup>, 3, 4, 5, 6, 15, 20, 21, 27, 28, 34, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 70, 71, 72, 80, 81, 82, 83, 84, 85

<sup>†</sup> No credit for Music 1 if taken after Music 3

**Nutrition** 1

**Philosophy** 1, 2, 3, 5, 6, 7<sup>∇</sup>, 10, 11

<sup>∇</sup> UC credit pending

**Photography** 1, 50, 51, 55, 56

**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\*, 85<sup>†</sup>, 86<sup>†</sup>, 88<sup>‡</sup>, 90\*, 91\*, 92\*, 94\*, 96\*, 97\*

\* Any or all of these courses combined with Intercollegiate Athletics 2 through 20 and Dance 50 and 51: maximum credit, 4 units

<sup>†</sup> PE 85 and 86 combined with any PE, APE and/or Intercollegiate Athletics course, and/or with Dance 50 and 51: maximum credit, 8 units

<sup>‡</sup> Health 2 and PE 88 combined: maximum credit, 3 units

**Physical Education: Intercollegiate Athletics**

2\*, 3\*, 5\*, 6\*, 7\*, 9\*, 10\*, 11\*, 12\*, 13\*, 15\*, 17\*, 18\*, 19\*, 20\*

\* Any or all of these courses combined with Dance or Physical Education courses listed with asterisks (\*): maximum credit, 4 units

**Adaptive Physical Education** 1\*, 6\*

\* Any or all of these courses combined: maximum credit, 4 units

**Physics** 2A\*, 2B\*, 4A\*, 4B\*, 4C\*, 20<sup>†</sup>

\* Physics 2A and 2B combined with Physics 4A, 4B, 4C: maximum credit, one series

<sup>†</sup> No credit for Physics 20 if taken after Physics 2A or 4A

**Political Science** 1, 3, 4, 5, 6, 7, 12, 14, 17, 41, 45

**Psychology** 1, 2, 3, 5, 7, 10<sup>°</sup>, 21, 30, 37

<sup>°</sup> Psychology 10 and Mathematics 10 combined: maximum credit, one course

**Sociology** 1, 2, 10, 15, 19, 20, 21, 30

**Spanish** 1, 1A\*, 1B\*, 2, 2A<sup>†</sup>, 2B<sup>†</sup>, 3, 4, 5, 10

\* Spanish 1A/1B is equivalent to Spanish 1: maximum credit, 5 units; 1A and 1B must both be taken for transfer credit to be granted

<sup>†</sup> Spanish 2A/2B is equivalent to Spanish 2; 2A and 2B must both be taken for transfer credit to be granted: maximum credit, 5 units

**Speech** 1, 2\*, 3\*, 9, 30, 35

\* Speech 2 or 3 combined: maximum credit, one course

**Theatre Arts** 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 25, 26, 28, 30, 35, 40B, 40C, 41, 42, 43

**Women's Studies** 10

**Writing** 1, 2, 10, 11\*, 12\*, 13<sup>†</sup>

\* Writing 11 and 12: maximum credit, 3 units each

<sup>†</sup> Writing 13, maximum credit, 6 units

# TRANSFER PLANNING

## INTRODUCTION

There are four segments of higher education in California: (a) the University of California (UC) system with ten campuses; (b) the California State University (CSU) system with 23 campuses; (c) the approximately 70 accredited independent colleges and universities; and (d) the 109 community colleges.

Although an associate degree is not a requirement for transfer, the faculty of the School of Guidance and Counseling at IVC generally recommends that students complete the degree. With proper planning, students should be able to meet both the requirements for graduation from Irvine Valley College with an associate degree and the requirements for transfer to a four-year institution. Students may satisfy the associate degree requirements in a number of different ways. These options are described on pages 52–53 of this catalog. The Counseling Office also provides specific information about Associate in Arts and Associate in Science degree requirements.

The faculty of the School of Guidance and Counseling, in cooperation with the faculty of the other academic schools, is involved in the ongoing process of working out articulation agreements to establish course equivalencies with four-year colleges and universities. Copies of articulation agreements are available in the Transfer Center and Counseling Office. Articulation information is also available online (see “Articulation System Stimulating Inter-Institutional Student Transfer” (ASSIST), next column).

## TRANSFER MAJOR PATTERNS

Many popular transfer major patterns for four-year institutions are available in the Transfer Center and Counseling Office. For a more complete list of majors, students are advised to access Articulation System Stimulating Inter-Institutional Student Transfer (ASSIST): [www.assist.org](http://www.assist.org). The major patterns are intended to help students plan their educational program. However, because course and program changes may occur throughout the school year, students are always encouraged to consult the Transfer Center for the most up-to-date information. An Irvine Valley College counselor can provide valuable assistance to students in pursuing the major and transfer institution of their choice.

## TRANSFER CENTER

The Transfer Center is located on the second floor of the Student Services Center in Room SC 230. It is a vital resource for all students who are planning to pursue a degree at a four-year college or university. Before beginning their lower-division coursework at Irvine Valley College, students should take advantage of the resources available in the center and meet with an IVC counselor to plan the best possible program of study.

## ARTICULATION SYSTEM STIMULATING INTER-INSTITUTIONAL STUDENT TRANSFER

**ASSIST** is the official source for California articulation and student transfer information. It is a computerized student transfer information system that can be accessed at [www.assist.org](http://www.assist.org). The site displays reports of how course credits earned at one California college or university can be applied when transferred to another. Students may also access ASSIST from computers in the Transfer Center.

## GENERAL EDUCATION/ BREADTH

Most educational institutions develop a set of general education or breadth requirements to insure that their graduating students have received a well-rounded education. The **California State University General Education Certification List** and the **Intersegmental General Education Transfer Curriculum (IGETC)** are articulation agreements intended to assist students who plan to continue their education at a California State University or University of California campus. The Transfer Center and Counseling Office keep additional information about general education requirements of specific campuses of these institutions, as well as requirements of independent colleges, many of which will accept the IGETC as an alternative to their own general education requirements. Students are advised to visit the Counseling Office and Transfer Center for assistance in planning a transfer program.

## FAQS ABOUT TRANSFERRING

### 1. What courses do I “have to” take?

That depends on what your goals are. It's important to take at least one or two courses in areas you are considering as majors. The first two years of college are the best time to explore a major, and this process takes time. Ideally, you'll want to know your major by the time you transfer. Choose classes that sound interesting. If you already know what you're going to major in and/or where you're going to transfer to, see a counselor for a specific list of requirements. Keep in mind that the average student changes his or her major three times in the course of earning a degree.

### 2. Do I have to get all the “requirements” out of the way first?

Basically, if you're not sure where you're going, how do you know which set of requirements to follow? Every university is going to have a similar, but somewhat different, pattern of requirements. Specific majors have extensive requirements that must be completed prior to transferring. Examples of these majors are engineering, architecture, art, music, and most sciences (consult a counselor regarding requirements for these majors).

### 3. What if I don't know what I want to major in and have no idea of where I want to transfer?

This is typical of students everywhere. Again, these decisions take time and exposure, so don't pressure yourself into making a premature decision. Deciding what you will major in may eliminate a certain amount of anxiety, but if you make an unexamined choice, you may easily select the wrong major. You are encouraged to sign up for College Studies 102, Career Exploration, a course designed to assist students in deciding on a career, or College Studies 1, a course designed to assist students in developing an individualized transfer plan.

### 4. How can I become eligible to transfer as a junior to the UC or CSU system?

If you're not eligible to enter UC or CSU as a high school senior, you need to complete 60 transferable units with a minimum 2.0 GPA (2.4 if you are a nonresident) for CSU, and 60 transferable units with a minimum 2.4 GPA (2.8 if you are a nonresident) for UC. You must also clear up any course deficiencies you may have had as a graduating high school senior (i.e., algebra, English, lab science, etc.). Meeting these criteria establishes minimum eligibility but does not guarantee admission. Consult with the Transfer Center to inquire about the appropriate filing period. As a community college student, you will be given preference over transfer students from four-year universities. The only exception to this policy is entrance into impacted majors, where you must meet other criteria as stipulated. Check with a counselor to find out if the major you're considering is impacted at any of the UC or CSU campuses.

### 5. How can I tell if a course is transferable?

The “transferability” of a course is indicated by its number. Almost every IVC course numbered 1-199 will transfer to the CSU system. UC will accept most courses numbered 1-99; however, there are exceptions to this rule. Be sure to check the UC Course List (page 63) and confer with an IVC counselor if you have any questions about the transferability of a particular course.

### 6. What's an associate degree (A.A., A.S.)? Do I need one in order to transfer?

An Associate in Arts or Associate in Science degree signifies you have completed two years of college study. Having the degree can be useful when you are applying for jobs or seeking promotions at work. You do not have to complete the degree in order to transfer, but you can earn the degree by completing the same courses as those required to transfer. For many students, getting the degree is rewarding; it functions as a benchmark along the way to a bachelor's degree.

### 7. What are “articulation agreements”?

These are agreements developed cooperatively between IVC and other colleges indicating comparable courses and transferability. They are used as guidelines in planning your transfer program. IVC has developed articulation agreements with several UC and CSU campuses, along with many of the private colleges in the Orange County and Los Angeles area. If you are planning to attend a college or university for which IVC has no current articulation agreement (check with the School of Guidance and Counseling), you should make an appointment with a counselor to develop one. Bring the catalog of the transfer institution with you to the appointment. Since articulation agreements normally take several months to process, be sure to get an early start.

All students are encouraged to go to [www.assist.org](http://www.assist.org) to find the most up-to-date articulation information.

# CALIFORNIA STATE UNIVERSITY

## ADMISSIONS REQUIREMENTS

**NOTE:** Students who are interested in clearing high school scholastic or subject deficiencies at Irvine Valley College prior to attending California State University (CSU) should refer to the CSU application or consult the IVC Counseling Center for assistance: (949) 451-5319.

*The most up-to-date information about admission to CSU is available at [www.csumentor.edu](http://www.csumentor.edu).*

### LOWER-DIVISION TRANSFER ADMISSION REQUIREMENTS

Some campuses may restrict enrollment of lower-division students due to heavy enrollment pressure.

Students are eligible for admission to the California State University (CSU) system with fewer than 60 semester units (90 quarter units) if they:

- Have a college grade point average of 2.00 or better in all transferable college units attempted.
- Are in good standing at the last college or university attended, i.e., they are eligible to re-enroll.
- Meet the admission requirements for a first-time freshman or have successfully completed necessary courses to make up the deficiencies they had in high school if they did not complete the 15-unit pattern of college preparatory subjects.
- Meet the eligibility index required of a freshman.

Some campuses may require lower-division transfer students to have completed English composition and general education mathematics prior to transfer. Students should contact their campus of choice to determine whether there are limits on admission as a lower-division transfer student.

*Students who completed college units before they graduated from high school or during the summer between high school graduation and CSU enrollment are considered first-time freshmen and must meet those admission requirements.*

### UPPER-DIVISION TRANSFER ADMISSION REQUIREMENTS

Students are eligible for admission to the California State University (CSU) system with 60 or more transferable semester units (90 quarter units) if they:

- Have a college grade point average of 2.00 or better (2.40 for non-California residents) in all transferable college units attempted.
- Are in good standing at the last college or university attended, i.e., they are eligible to re-enroll.
- Have completed or will complete prior to transfer at least 30 semester units (45 quarter units) of courses equivalent to general education requirements with a grade of "C" or better. The 30 units must include all of the general education requirements in communication in the English language (English composition, oral communication, and critical thinking) and at least one course of at least 3 semester units (4 quarter units) required in college-level mathematics. In order to be competitive in today's climate, students are advised to strive for the highest GPA possible.

**IMPORTANT!** Be sure to take the four minimally required courses listed above—**English composition, oral communication, and critical thinking, and math**—by the end of the spring semester for fall admission and by the end of summer for spring admission to be considered for admission at most CSU campuses.

### PLACEMENT TESTS IN ENGLISH AND MATH

Upper-division transfer students who have completed English composition and college-level math courses with grades of "C" or better are exempt from the English Placement Test (EPT) and the Entry-Level Mathematics Test (ELM). **Upper-division transfer students must complete both English composition and college-level mathematics prior to enrolling at a CSU campus.**

### INCOMPLETE ADMISSIONS REQUIREMENTS

As transfer applicants, students are required to submit final transcripts prior to attending CSU classes. A final review will be done to verify the student's successful completion of the courses. If applicants did not complete the courses needed for admission, the CSU campus to which they applied may delay or cancel their admission or enrollment until they successfully complete the required course(s).

### TRANSCRIPTS

The CSU campus to which students are applying will inform them when to submit official transcripts. Students should request that official transcripts be sent from *all* colleges and universities that they attended previously, even if no coursework was completed. If students are transferring with fewer than 60 transferable semester (90 quarter) units completed, they must also submit their high school transcript. Transcripts must be received in sealed envelopes directly from each institution the student attended.

### ONLINE APPLICATION FILING PERIODS

The filing period for fall admission is October 1–November 30 the year prior to transfer. The filing period for spring admission is August 1–August 30. It is essential to check with the campus to ensure that it is accepting applications for the spring semester. Students should plan on submitting applications early in the filing period.

# UNIVERSITY OF CALIFORNIA ADMISSIONS REQUIREMENTS

## MINIMUM REQUIREMENTS FOR TRANSFER APPLICANTS

**PLEASE NOTE: The following requirements represent the minimum level of achievement necessary to be eligible for admission to the University of California (UC). Completion of these requirements does not guarantee admission to UC, especially into impacted majors.**

## CALIFORNIA RESIDENTS

There are several ways to meet the University's minimum admission requirements for transfer students, as described below. The path students use depends upon the degree to which they satisfied UC's minimum eligibility requirements for freshmen at the time they graduated from high school. In all cases, students must have at least a "C" (2.0) average in all transferable coursework.

1. If students were eligible for admission to the University when they graduated from high school—meaning they satisfied the Subject, Scholarship, and Examination Requirements, or were identified by the University during their senior year in high school as being eligible under the Eligibility in the Local Context (ECLC) program—they are eligible to transfer if they have a "C" (2.0) average in their transferable college coursework.
2. If students met the Scholarship Requirement but did not satisfy the Subject Requirement, they must take transferable college courses in the subjects they are missing, earn a grade of "C" or better in each of these required courses, and earn an overall "C" (2.0) average in all transferable college coursework to be eligible to transfer.

3. If students were not eligible for admission to the University when they graduated from high school because they did not meet the Scholarship Requirement, they must:
  - A. Complete 60 semester (90 quarter) units of transferable college credit with a grade point average of at least 2.4; and
  - B. Complete the following course pattern, *earning a grade of "C" or better in each course*:
    - two transferable college courses (3 semester or 4–5 quarter units each) in English composition; *and*
    - one transferable college course (3 semester or 4–5 quarter units) in mathematical concepts and quantitative reasoning; *and*
    - four transferable college courses (3 semester or 4–5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.

**Minimum eligibility does not guarantee admission.** Students need to consult with a counselor to ascertain realistic GPA requirements.

Students who satisfy the Intersegmental General Education Transfer Curriculum—IGETC—prior to transferring to UC may satisfy Option 3B of the transfer admission requirements.

## NONRESIDENTS

The minimum admission requirements for nonresidents are very similar to those for residents. Students should consult with the Admissions Office at one of the University campuses for details. In all cases, however, nonresidents must have a grade point average of 2.8 or higher in all transferable college coursework.

## PLANNING TO TRANSFER TO UC

**Complete information about UC admissions and program planning is available at [www.ucop.edu/pathways](http://www.ucop.edu/pathways).**

If students are considering transferring to the University from Irvine Valley College, it is important that they plan their coursework carefully. First, the courses they take should help them meet the Minimum Admission Requirements for transfer students. In addition to meeting the admission requirements, students should select Irvine Valley College courses that partially or completely fulfill other University requirements.

Knowing what the requirements are and planning their community college program around them will maximize students' chances for admission to the UC campus and program of their choice. Meeting requirements in advance will give students more freedom when selecting courses once they enroll in the University. Students may also be able to complete their undergraduate education within four years, without having to attend additional terms to meet requirements or take prerequisites.

In rare instances, UC campuses will admit a limited number of lower-division transfer students. This means that, in most cases, students should plan on completing at least 60 semester (90 quarter) units before they transfer.

Most UC campuses will consider for advanced standing admission only those students who have completed 60 semester (90 quarter) units, and many campuses give highest priority in the selection process to California community college students who have completed 60 semester (90 quarter) units. Students should contact campus Admissions Offices for more information.

**IMPORTANT! To be considered for fall admission at most campuses, students must plan to complete all courses required for admission no later than the spring semester preceding the fall they wish to enter the University.**

To learn more about the particular requirements that apply to them, students should read the appropriate UC campus General Catalog. In addition, they should contact the Admissions or Relations with Schools

Office at the campus they wish to attend as soon as possible to help them with the planning process. Representatives in these UC offices are available to give students precise, up-to-date information about the availability of majors, oversubscribed programs, coursework they need to take and requirements that relate specifically to their circumstances. UC representatives also can refer students to other reliable sources of information and advising.

The IVC Transfer Center can provide students with much of the information they need to start planning. UC representatives, as well as representatives from other four-year colleges and universities, visit the Transfer Center to meet and advise prospective transfer applicants.

## GENERAL EDUCATION REQUIREMENTS

General education requirements are designed to give University undergraduates a broad background in all major academic disciplines—natural sciences, physical sciences, social sciences, humanities and fine arts. The general education requirement, sometimes called the breadth requirement, lists the specific courses students must take or number of credit hours they must earn in each discipline.

Each school and college at every UC campus has its own general education requirement. With careful planning, students can meet many of the lower-division requirements while attending community college. They also have the option of completing the Intersegmental General Education Transfer Curriculum (IGETC) to satisfy the lower-division general education requirements at any UC campus. Following the IGETC general education pattern is generally preferred by most UC campuses for most majors. However, on some UC campuses, for specific majors, following the native breadth pattern will benefit transfer students. Students are advised to see a counselor to choose the appropriate general education pattern.

## UNDERGRADUATE MAJOR PREPARATION

Major preparation requirements specify the courses students must take during their first two years of college to prepare for advanced study in their major. Courses may be required as part of the major, they may be prerequisites for other courses that are required as part of the major, or they may be required to gain admission into the major.

Transfer applicants are evaluated, in part, on the basis of their performance in major preparation coursework, so it is important that students investigate the requirements for their intended major as soon as possible. If their major requires mathematics and science, it is especially important that students complete those prerequisites before they transfer.

All University programs that lead to a bachelor's degree are listed by discipline and by campus. Students' counselors can advise students about the specific major preparation requirements for the program they select, or students may research these requirements in the General Catalog of the campus they plan to attend.

Students should begin coursework in their major as soon as they have selected one. If students are applying for fall admission, the campus may require them to complete certain major preparation requirements by the end of the preceding spring semester. Lack of pre-major work may affect students' eligibility for their major, particularly if there are many applicants and a limited number of spaces.

## GUARANTEED ADMISSION PROGRAMS

Currently, Irvine Valley College offers guaranteed admission programs with UC Irvine, UC Santa Barbara, UC Davis and UC Santa Cruz. Students should visit the Transfer Center to obtain information regarding specific criteria and deadlines.

## ADDITIONAL REQUIREMENTS

There are other requirements students must fulfill to receive their undergraduate degree from the University, in addition to the general education requirement and their major preparation requirements. Some are University-wide, such as Subject A and the American History and Institutions Requirement. Other requirements vary according to the campus students attend, and their particular college or school and major.

### SUBJECT A REQUIREMENT

Subject A is an English composition requirement that students must satisfy to graduate in any program at the University. Completion of a transferable college course of three semester (four quarter) units in English composition with a "C" or better is one way to satisfy this requirement. Students who meet the University's basic requirements for minimal transfer eligibility through path 3, which include two transferable college courses in English composition (see number 3B of the Minimum Admission Requirements), satisfy the Subject A Requirement. Many transfer students fulfill the Subject A Requirement while in high school or before entering college in any of the following ways: by achieving a score of 3 or higher on the College Board Advanced Placement Examination in English; by achieving a score of 5 or higher on the International Baccalaureate (IB) Higher Level Examination in English Language A only, or by achieving a score of at least 680 on the SAT II Writing Subject Test.

Students who have not satisfied the Subject A Requirement before transferring must enroll in a Subject A course at the University.

### AMERICAN HISTORY AND INSTITUTIONS REQUIREMENT

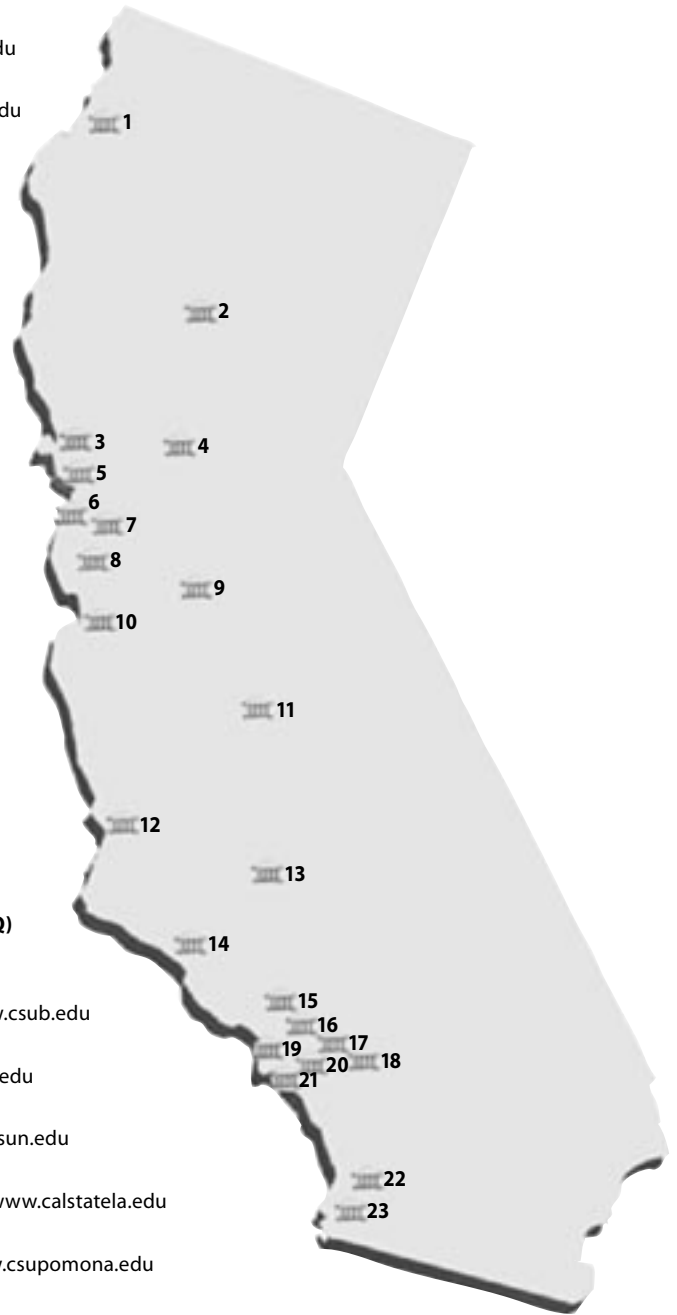
All undergraduate degree programs at the University require study in American history and institutions. This requirement may be met through examination or enrollment in specific courses. Each campus decides how its students may meet the requirement.

Satisfactory completion in high school of a one-year course in U.S. history, or a half-year course in U.S. history and a half-year course in American government, satisfies this requirement at all UC campuses except UCSB. (At UCLA, students must also have earned a B average in these courses.) UCSB requires students to complete a college-level course. Satisfaction of the Irvine Valley College American Institutions requirement will also meet the requirement at most campuses. It is highly recommended that students complete this requirement before they transfer.

# CALIFORNIA STATE UNIVERSITY CAMPUSES

(S) = SEMESTER (Q) = QUARTER

- (1) **HUMBOLDT STATE UNIVERSITY (S)**  
1 Harpst Street, Arcata 95521-4957 (707) 826-4402 • www.humboldt.edu
- (2) **CSU CHICO (S)**  
400 W. First Street, Chico 95929-0722 (530) 898-6321 • www.csuchico.edu
- (3) **SONOMA STATE UNIVERSITY (S)**  
1801 East Cotati Avenue, Rohnert Park 94928 (707) 664-2778  
• www.sonoma.edu
- (4) **CSU SACRAMENTO (S)**  
6000 J Street, Sacramento 95819-6048 (916) 278-3901 • www.csus.edu
- (5) **CALIFORNIA MARITIME ACADEMY (S)**  
200 Maritime Academy Drive, Vallejo 94590 (800) 561-1945  
• www.csum.edu
- (6) **SAN FRANCISCO STATE UNIVERSITY (S)**  
1600 Holloway Avenue, San Francisco 94132-4002 (415) 338-1113  
• www.sfsu.edu
- (7) **CSU HAYWARD (Q)**  
25800 Carlos Bee Boulevard, Hayward 94542-3035 (510) 885-2624  
• www.csuhayward.edu
- (8) **SAN JOSE STATE UNIVERSITY (S)**  
One Washington Square, San Jose 95192-0009 (408) 283-7500  
• www.sjsu.edu
- (9) **CSU STANISLAUS (4-1-4)**  
801 West Monte Vista Avenue, Turlock 95382 (209) 667-3152  
• www.csustan.edu
- (10) **CSU MONTEREY BAY (S)**  
100 Campus Center Drive, Seaside 93955-8001 (831) 582-3518  
• www.csUMB.edu
- (11) **CSU FRESNO (S)**  
5150 North Maple Avenue, Fresno 93740-0057 (559) 278-2261  
• www.csufresno.edu
- (12) **CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO (Q)**  
San Luis Obispo 93407 (805) 756-2311 • www.calpoly.edu
- (13) **CSU BAKERSFIELD (Q)**  
9001 Stockdale Highway, Bakersfield 93311-1099 (661) 664-3036 • www.csub.edu
- (14) **CSU CHANNEL ISLANDS**  
One University Drive, Camarillo, CA 93012 (805) 437-8500 • www.csuci.edu
- (15) **CSU NORTHRIDGE (S)**  
18111 Nordhoff Street, Northridge 91330-8207 (818) 677-3700 • www.csun.edu
- (16) **CSU LOS ANGELES (Q)**  
5151 State University Drive, Los Angeles 90032-8530 (323) 343-3901 • www.calstatela.edu
- (17) **CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA (Q)**  
3801 West Temple Avenue, Pomona 91768-4003 (909) 869-3210 • www.csupomona.edu
- (18) **CSU SAN BERNARDINO (Q)**  
5500 University Parkway, San Bernardino 92407-2397 (909) 880-5188 • www.csusb.edu
- (19) **CSU DOMINGUEZ HILLS (S)**  
1000 East Victoria Street, Carson 90747 (310) 243-3696 • www.csudh.edu
- (20) **CSU FULLERTON (S)**  
800 N. State College Boulevard, Fullerton 92834-9480 (714) 278-2300 • www.fullerton.edu
- (21) **CSU LONG BEACH (S)**  
1250 Bellflower Boulevard, Long Beach 90840-0106 (562) 985-5471 • www.csulb.edu
- (22) **CSU SAN MARCOS (S)**  
Office of Admissions, 333 S. Twin Oaks Valley Road, San Marcos 92096-0001 (760) 750-4848 • www.csusm.edu
- (23) **SAN DIEGO STATE UNIVERSITY (S)**  
5500 Campanile Drive, San Diego 92182-7455 (619) 594-6336 • www.sdsu.edu



# UNIVERSITY OF CALIFORNIA CAMPUSES

(S) = SEMESTER (Q) = QUARTER

- (1) UC DAVIS (Q)**  
One Shields Avenue, Davis 95616 (530) 752-1011  
[www.ucdavis.edu](http://www.ucdavis.edu)
  
- (2) UC BERKELEY (S)**  
Berkeley 94720 (510) 642-6000  
[www.berkeley.edu](http://www.berkeley.edu)
  
- (3) UC SAN FRANCISCO (Q)**  
San Francisco 94143 (415) 476-9000  
[www.ucsf.edu](http://www.ucsf.edu)  
*UC San Francisco is a graduate professional institution  
requiring pre-professional preparation or graduate standing  
for admission.*
  
- (4) UC MERCED (S)**  
550 East Shaw Avenue, Suite 105, Fresno 93710 (559) 241-7474  
[www.ucmerced.edu](http://www.ucmerced.edu)
  
- (5) UC SANTA CRUZ (Q)**  
1156 High Street, Santa Cruz 95064 (831) 459-0111  
[www.ucsc.edu](http://www.ucsc.edu)
  
- (6) UC SANTA BARBARA (Q)**  
Santa Barbara 93106 (805) 893-8000  
[www.ucsb.edu](http://www.ucsb.edu)
  
- (7) UC LOS ANGELES (Q)**  
Los Angeles 90095 (310) 825-4321  
[www.ucla.edu](http://www.ucla.edu)
  
- (8) UC RIVERSIDE (Q)**  
Riverside 92521 (909) 787-1012  
[www.ucr.edu](http://www.ucr.edu)
  
- (9) UC IRVINE (Q)**  
Irvine 92697 (949) 824-5011  
[www.uci.edu](http://www.uci.edu)
  
- (10) UC SAN DIEGO (Q)**  
9500 Gilman Drive, La Jolla 92093 (858) 534-2230  
[www.ucsd.edu](http://www.ucsd.edu)

