

Associate Degrees

Introduction

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 28 available majors in the technological, applied, and business sciences. **Associate degree majors are listed on page 17.**

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 16.**

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.

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 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; (2a) meeting the minimum requirements of the major and (2b) 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 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; (2a) meeting the minimum requirements of the major and (2b) 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 seeking a second associate degree **after having previously received an associate degree from Irvine Valley College** may qualify for an additional degree if (1a) they have met the minimum requirements for the second major and (1b) at least 12 of the required units in the second major are separate and distinct from the required units of their first major; (2) they have earned at least 12 units in residence since the conferral of their first degree; and (3) 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 California State University (CSU) general education certification or 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.

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. **Students should consult the Counseling Center for further details.** 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.

Associate Degree Requirements

Associate in Arts (A.A.)

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 21).

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[†] 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 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 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 (A.S.)

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 21).

5. Major Requirement

Any one 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[†] 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); or
- (c) completion of at least 18 units in an Occupational Certificate program at a regionally accredited institution.

- 6. Competency Requirement:** Reading, writing, and mathematics competency as demonstrated by completion with a grade of "C" or better of Writing 1 or Writing 102, and Mathematics 251 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.

REMINDER: 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.

Associate Degree Majors and Emphases

Associate in Arts	
MAJOR/EMPHASIS	PAGE
Anthropology	49
Art	53
Biology	57
Business Management	
Business Administration Emphasis	63
Chemistry	69
Dance	88
Economics	101
English	
Literature Emphasis	108
Writing Emphasis	108
Fine Arts	119
French	141
General Studies	121
Geography	123
Geology	125
Health Sciences	58
History	
American History Emphasis	132
European History Emphasis	132
Humanities	135
Journalism	
Advertising and Marketing Emphasis	140
News and Editorial Emphasis	139
Photojournalism Emphasis	140
Liberal Arts and Sciences	149
Mathematics	153
Music	157
Philosophy	163
Photography	165
Physical Education	170
Physical Science	179
Political Science	181
Psychology	185
Sociology	189
Spanish	141
Speech/Forensics	191
Theatre Arts	195
Acting Emphasis	196
Technical Theatre Emphasis	196
Women's Studies	199



Associate in Science	
MAJOR/EMPHASIS	PAGE
Accounting	43
Administration of Justice	
Law Enforcement Emphasis	45
Supervision Emphasis	45
Business Management	
Business Management Emphasis	63
General Business	64
International Management	64
Manufacturing Assistant Emphasis	64
Supervision Emphasis	64
Computer Information Management	
Administrative Assistant/Word Processing Emphasis	72
Local Area Networks: Cisco Emphasis	72
Local Area Networks: Microsoft Emphasis	72
Computer Information Science	
Business Programming Emphasis	81
Computer Languages Emphasis	81
Systems Analysis Emphasis	82
Computer-Integrated Manufacturing and Technology	
Computer-Aided Manufacturing Emphasis	85
Manufacturing Process Planning and Control Emphasis	85
Drafting Technology	91
CADD Emphasis, Electronic Option	92
CADD Emphasis, Mechanical Option	92
Early Childhood Education	
Child Development	96
Infant/Toddler Emphasis	96
School-Age Child Emphasis	96
Electronic Technology	103
Digital Electronics Emphasis	104
Electro-optics Technology Emphasis	104
Environmental Technology	117
Laser/Electro-optics Technology	147
Real Estate	187

Occupational Certificates

The college awards occupational 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.

Specific course requirements for each occupational certificate are listed with the program descriptions in Part II of this catalog. In most but not all cases, the courses that comprise the occupational certificate are the same as those that comprise the major for the Associate in Science degree. Each program is identified as either "A.S. Degree or Occupational Certificate" or "Certificate Only."

The awarding of the certificate acknowledges to the recipient and the potential employer that all courses in an approved occupational program have been completed with a grade of "C" or better. A minimum of 12 units in residence must be completed at Irvine Valley College.

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.

Certificates are not awarded automatically. To receive a certificate after completing the required courses, students must file a petition for evaluation in the Counseling Office.



Certificates

CERTIFICATE/EMPHASIS	PAGE
Accounting	43
Administration of Justice	
Law Enforcement Emphasis	45
Supervision Emphasis	45
Business Management	
Business Management Emphasis	63
International Management	64
Manufacturing Assistant Emphasis	64
Supervision Emphasis	64
Computer Information Management	
Administrative Assistant/Word Processing Emphasis	72
Digital Graphic Applications*	72
Digital Publishing*	73
Local Area Networks: Cisco Emphasis	72
Local Area Networks: Microsoft Emphasis	72
Spreadsheet*	73
Web Page Authoring*	73
Computer Information Science	
Business Programming Emphasis	81
Computer Languages Emphasis	81
Systems Analysis Emphasis	82
Computer-Integrated Manufacturing and Technology	
Computer-Aided Manufacturing Emphasis	85
Manufacturing Process Planning and Control Emphasis	85
Drafting Technology	91
CADD Emphasis, Electronic Option	92
CADD Emphasis, Mechanical Option	92
Early Childhood Education	
Child Development	96
Infant Toddler Emphasis	96
School-Age Child Emphasis	96
Electronic Technology	103
Digital Electronics Emphasis	104
Electro-optics Technology Emphasis	104
Environmental Technology	117
Fitness Specialist*	170
Laser/Electro-optics Technology	147
Real Estate	187

* Certificate Only

General Education

Introduction

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." General education 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 the following pages. Students seeking an occupational 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.

(Continued)

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.

General Education Requirements for the Associate Degree 2001-2002

ASSOCIATE IN ARTS=A.A. ASSOCIATE IN SCIENCE=A.S.

Courses in Reading and Writing 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; Writing 102†
 - B. SPEAKING**
Management 102†; Speech 1
 - C. CRITICAL THINKING**
Mathematics 13°; Philosophy 3, 4, 8; Reading 174; Sociology 3; Speech 2, 3; Writing 2
† May be applied to the A.S. degree only
° May be applied to Critical Thinking or Mathematics, not both
- MATHEMATICS**
Complete one of the following courses:
CIS 6A, 6B; Mathematics 2, 3A, 3B, 4A, 8, 9, 10, 11, 13°, 24, 26, 30, 31, 105, 124, 200†, 250†, 251†, 253, 260
† May be applied to the A.S. degree only
° May be applied to Mathematics or Critical Thinking, not both
- 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; Chemistry 1A, 3, 4, 100; Earth Science 20; Geology 1, 2, 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 one of the following courses:
Anthropology 2‡, 3‡, 4‡, 7, 9, 105; Dance 30‡; Geography 2‡; History 31‡, 32‡, 33‡, 40‡, 41‡, 45‡; Japanese 21‡; Literature 46‡; Management 115, 268, 269, 286; Music 17‡; 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 (below)
 - A.S. Degree:** Complete a minimum of 3 units from Humanities **AND/OR** Fine Arts and Languages (below)
Art 20, 21, 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; Journalism 1; Literature 1, 20, 21, 22, 23, 24, 30, 31, 32, 33, 40, 41, 42, 43, 44, 45, 46, 47, 101; Music 17, 20, 25, 26, 27, 28; Philosophy 1, 2, 5, 10, 11; Photography 1; Theatre Arts 20, 21, 25, 26
- FINE ARTS AND LANGUAGES**
 - A.A. Degree:** Complete one course from Humanities (above) **AND** one course from Fine Arts and Languages
 - A.S. Degree:** Complete a minimum of 3 units from Humanities (above) **AND/OR** Fine Arts and Languages
Art 4, 40, 41, 80, 81, 82, 85, 86; Chinese 1, 1A/1B*, 2; 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, 10, 30, 32, 37, 40, 41, 44, 54, 55, 60, 61, 62, 70, 80, 81; 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, 201; Physical Education 1, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 19, 20, 22, 23, 25, 26, 27, 32, 47, 70, 71, 73, 74, 75, 76, 77, 78, 79, 91, 92, 94, 96, 97, 130, 132, 136, 192, 194, 202, 205, 209; Physical Education Special Services 1, 4, 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