1991-1992

GENERAL CATALOG



CALIFORNIA STATE UNIVERSITY SAN MARCOS

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California State University, San Marcos
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The catalog is prepared by Eugenia E. Haven, Director of Curriculum Services with the assistance of Molly Daniel and Mary Lehto (temporary clerical assistant). Cover graphic by Cosgrove and Associates; photographs by Will Gibson Photography.

Vol. 2 May 1991

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Complimentary Copy

GENERAL CATALOG

CALIFORNIA STATE UNIVERSITY
SAN MARCOS

San Marcos, California 92096



FALL AND SPRING SEMESTERS 1991-92

NOTE: All announcements herein are subject to revision without prior notice

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PRESIDENT'S MESSAGE

Thank you for joining all of us at California State University, San Marcos in the effort to define a responsible university for the 21st century. You have the opportunity to help us define what we are becoming, and you also have the chance to influence how we shall do it.

California State University, San Marcos is a gathering place for ideas, for discovery, for teaching, and for learning. We shall pursue understanding not only of those ideas but also of how human beings interact with ideas and each other. We invite you to our curriculum, but even more, to our academic home, an environment of respect and cordial interactions.

Faculty and staff have come here to seize the opportunities to chart a better course for universities. You will find wonderfully talented people, experienced in much peer respect, and interested in joining you in your educational pursuit. The faculty are good enough to be able to serve throughout the nation. In fact, they did so just a year or so ago. The faculty are in San Marcos because of the unique opportunities and challenges you bring.

I urge you to bring your interest, your intellect, and the values of your unique background to a lively university environment. You will find that the more you contribute, the more you will get out of CSU, San Marcos.

Bill W. Stacy
President



MISSION STATEMENT

California State University, San Marcos, offers excellence in undergraduate and graduate education to a diverse citizenry in an increasingly interdependent world. As the twentieth campus in the California State system, CSU, San Marcos provides an academic environment in which students, taught by active scholars, researchers, and artists, can achieve a foundation in the liberal arts and sciences and acquire specific competencies appropriate to major disciplines or graduate/professional study. The University upholds a high level of academic scholarship in research and teaching and protects academic freedom necessary for such scholarly pursuits. Moreover, the University demands fairness and decency of all persons in the university community.

CSU, San Marcos promotes a collegial relationship between students and faculty that encourages students' excitement about the learning experience and process. This campus combines the academic strengths of a large university with the personal interaction characteristic of smaller institutions. The University provides an atmosphere in which students can experience a challenging education in a supportive environment, preparing them to live cooperatively and competitively in a world of cultural and ethnic diversity, economic and governmental differences, shared resources, ecological restraints and technological change.

CSU, San Marcos recognizes its special role in the north San Diego county area. In the spirit of partnership, the University initiates and offers programs to further intellectual, professional, and personal development within the diverse community which it serves. The University serves as a resource for books, computer-generated information and ideas. The University stimulates research and development in collaboration with public and private organizations and, in conjunction with regional industry, participates in the development of science-based technology. The University offers cultural enrichment in an intellectually stimulating environment and acts as a focus for community social activities, music, athletics, and performing and visual arts.

CSU, San Marcos endorses an international perspective that addresses the global community in its distinctive social, political, and economic terms. This multicultural outlook is reflected in our curriculum, extracurricular activities, international exchanges, and special programs that focus on world issues and problems.

Consistent with its global orientation, this comprehensive University exposes students to the study of languages, to world literature and the fine arts, and to issues and traditions of the United States and other countries. The University's definition of the liberal arts and sciences in these times includes basic skill in writing, critical and creative thinking, mathematics, fundamental computer competence and an interdisciplinary approach. In addition to the laboratory and classroom, the University provides a variety of educational experiences in an atmosphere that encourages students to examine moral and ethical issues central to their development as responsible men and women. Students investigate the historical past and its relationship to the present and future and seek to understand human behavior, culture, values, and institutions. They explore the modern mathematical, biological and physical sciences and technology; focus on international concerns of race, gender, and cultural diversity; and contribute to public services that enrich the local and international community. The university prepares students to take leadership roles in areas of work and society in the international community of the 21st century.

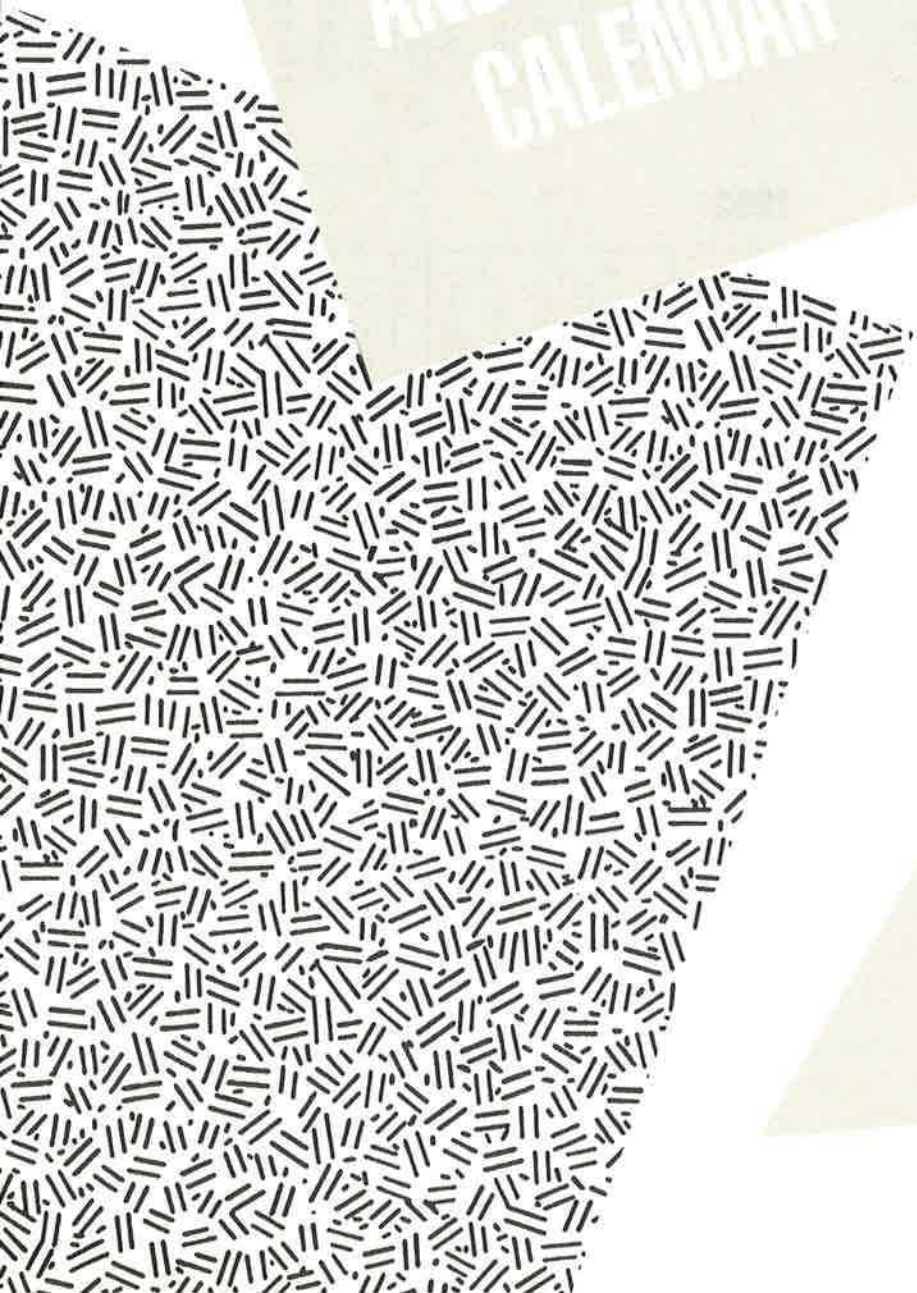
The aim of CSU, San Marcos is to instill in its students the enthusiasm and curiosity, the creativity and originality, the healthy skepticism, and the habit of continuing inquiry that are central to all truly educated men and women. The goal is to enable them to realize their potentialities as enlightened individuals and productive members of society in a world of change.

CALIFORNIA
STATE
UNIVERSITY
SAN MARCOS



1991-1992

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1991–92 ACADEMIC CALENDAR

Fall 1991 Semester

August 1 (Thu)	Initial period for filing applications for Spring 1992 begins
August 22 (Thu)	Academic Year 1991–92 begins
August 22 (Thu)	Faculty orientation, advising and pre-instruction activities
August 26 (Mon)	First day of classes
September 2 (Mon)	Labor Day – campus closed
September 9 (Mon)	Rosh Hashanah – campus open
September 18 (Wed)	Yom Kippur – campus open
October 14 (Mon)	Columbus Day – campus open
November 1 (Fri)	Initial period for filing applications for Fall 1992 begins
November 11 (Mon)	Veterans Day – campus open
November 28–30 (Thu–Sat)	Thanksgiving recess – campus closed
December 10 (Tue)	Last day of classes (December 7 for Saturday classes)
December 11 (Wed)	Study day
December 12, 13, 16, 17 (Thu, Fri, Mon, Tue)	Final examinations
December 14 (Sat)	Saturday classes final examinations
December 18 (Wed)	Winter recess begins
December 20 (Fri)	Grades due from instructors
December 23–27 (Mon–Fri)	Staff accumulated holidays – campus closed
December 30 (Mon)	Last day of fall semester

Spring 1992 Semester

January 1 (Wed)	New Year's Day – campus closed
January 20 (Mon)	Martin Luther King, Jr.'s Birthday – campus closed
January 21 (Tue)	Faculty orientation, advising and pre-instruction activities
January 27 (Mon)	First day of classes
February 10 (Mon)	Lincoln's Birthday – campus open
February 17 (Mon)	Washington's Birthday – campus open
April 13–18 (Mon–Sat)	Spring recess—campus open
April 20 (Mon)	Classes resume
May 15 (Fri)	Last day of classes (May 16 for Saturday classes)
May 18, 19, 21, 22 (Mon, Tue, Thu, Fri)	Final examinations
May 20 (Wed)	Study day
May 23 (Sat)	Saturday classes final examinations
May 25 (Mon)	Memorial Day – campus closed
May 29 (Fri)	Grades due from instructors
May 30 (Sat)	Commencement
May 30 (Sat)	Last day of spring semester

(Note: This is not intended to be construed as an employee work calendar.)

1991-1992

ORGANIZATION AND ADMINISTRATION

THE CALIFORNIA STATE UNIVERSITY

The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became The California State University and Colleges, and in 1982 the system became The California State University. Today, all 20 campuses have the title "university."

The oldest campus—San Jose State University—was founded as a Normal School in 1857 and became the first institution of public higher education in California. The newest campus—California State University, San Marcos—began admitting students in the fall of 1990.

Responsibility for The California State University is vested in the Board of Trustees, whose members are appointed by the Governor. The Trustees appoint the Chancellor, who is the chief executive officer of the system, and the Presidents, who are the chief executive officers on the respective campuses.

The Trustees, the Chancellor, and the Presidents develop systemwide policy, with actual implementation at the campus level taking place through broadly based consultative procedures. The Academic Senate of The California State University, made up of elected representatives of the faculty from each campus, recommends academic policy to the Board of Trustees through the Chancellor.

Academic excellence has been achieved by The California State University through a distinguished faculty, whose primary responsibility is superior teaching. While each campus in the system has its own unique geographic and curricular character, all campuses, as multipurpose institutions, offer undergraduate and graduate instruction for professional and occupational goals as well as broad liberal education. All of the campuses require for graduation a basic program of "General Education-Breadth Requirements" regardless of the type of bachelor's degree or major field selected by the student.

The CSU offers more than 1,500 bachelor's and master's degree programs in some 200 subject areas. Many of these programs are offered so that students can complete all upper-division and graduate requirements by part-time late afternoon and evening study. In addition, a variety of teaching and school service credential programs are available. A limited number of doctoral degrees are offered jointly with the University of California and with private institutions in California.

System enrollments total over 360,000 students, who are taught by some 20,500 faculty. Last year the system awarded over 50 percent of the bachelor's degrees and 30 percent of the master's degrees granted in California. More than 1.2 million persons have been graduated from the 19 campuses since 1960.

AVERAGE ANNUAL COST OF EDUCATION AND SOURCES OF FUNDS PER FULL-TIME EQUIVALENT STUDENT

The 20 campuses and the Chancellor's Office of the California State University are financed primarily through funding provided by the taxpayers of California. The total state appropriation to the CSU for 1990-91, including capital outlay and employee compensation increases, is $1,904,029,000. The total cost of education for CSU, however, is $2,111,513,409, which provides support for a projected 274,500 full-time equivalent (FTE)* students.

The total cost of education in the CSU is defined as the expenditures for current operations, including payments made to the students in the form of financial aid and all fully reimbursed programs contained in state appropriations, but excluding capital outlay appropriations. The average cost of education is determined by dividing the total cost by the total FTES. The average cost is further differentiated into three categories: State Support (the state appropriation, excluding capital outlay), Student Fee Support, and Support from Other Sources (including Federal Funds).

Thus, excluding costs which relate to capital outlay (e.g., building amortization), the average cost of education per FTE student is $7,692. Of this amount, the average student fee support per FTE is $1,183. The calculation for this latter amount includes the amount paid by nonresident students.

Source of Funds and Average Costs for 1990-91 CSU Budget (Projected Enrollment: 274,500 FTE*)

	Amount	Average Cost Per Student (FTE)*	Percentage
Total Cost of Education	$2,111,513,409**	$7,692	100.0
— State Appropriation	1,691,403,000***	6,162	80.1
— Student Fee Support	324,672,787	1,183****	15.4
— Support from Other Sources	95,437,622	348	4.5

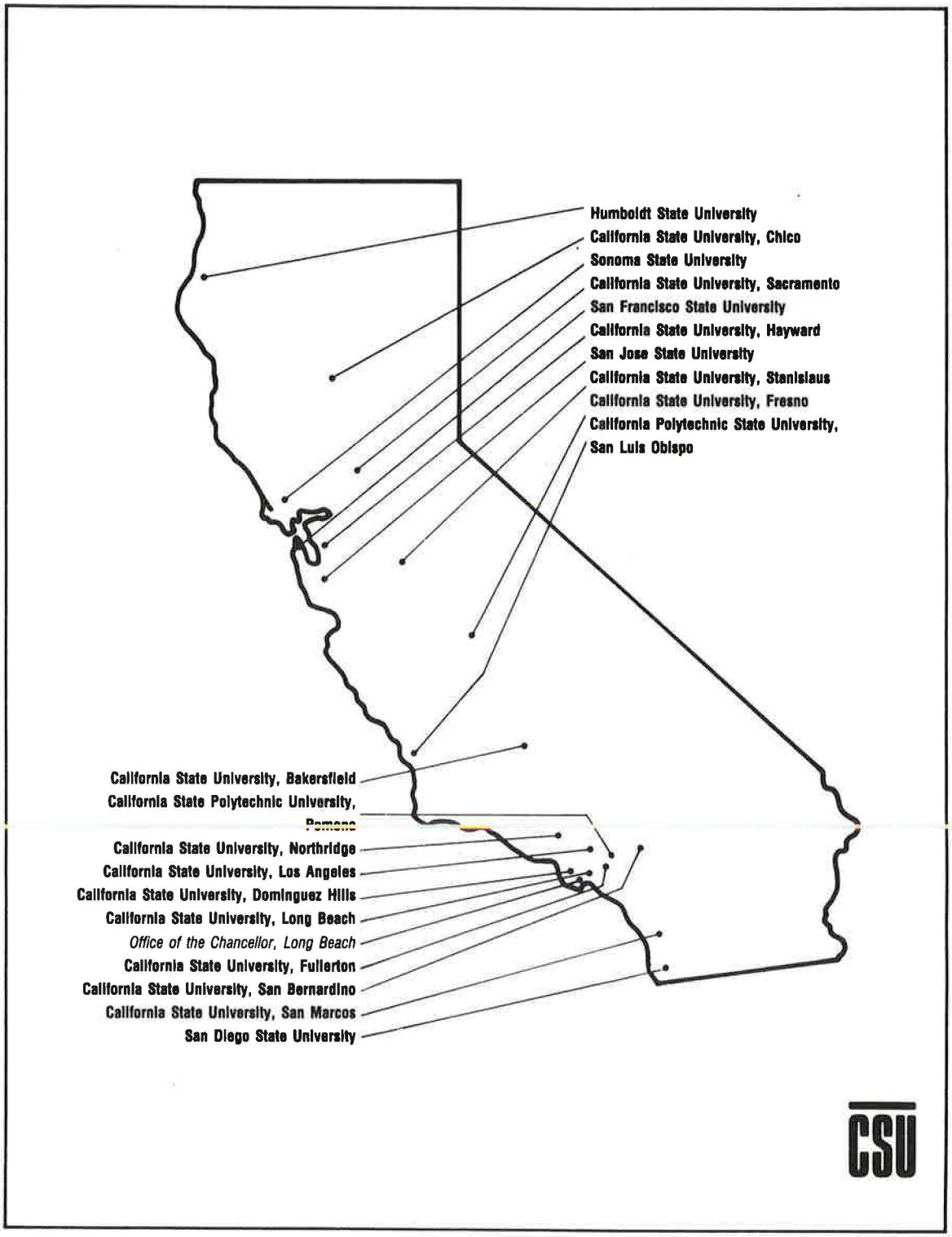
* For budgetary purposes, full-time equivalent (FTE) translates total head count into total academic student load equivalent to 15 units per term. Some students enroll for more than 15 units; some students enroll for fewer than 15 units.

** The total cost of education does not include the amount related to lottery and the capital investment of the CSU. The estimated replacement cost of all the system's permanent facilities on the 20 campuses is currently valued at $6.5 billion, excluding the cost of land.

*** This figure does not include the capital outlay appropriation of $212,626,000.

**** The average costs paid by a student include the State University Fee, Application Fee, and Nonresident Tuition. Individual students may pay less than $1,183 depending on whether they are part-time, full-time, resident or nonresident students.

THE CALIFORNIA STATE UNIVERSITY



CAMPUSES— THE CALIFORNIA STATE UNIVERSITY

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Chico, California 95929
Dr. Robin S. Wilson, President
(916) 898-6116

California State University, Dominguez Hills
1000 East Victoria Street
Carson, California 90747
Dr. Robert C. Detweiler, President
(213) 674-3300

California State University, Fresno
Shaw and Cedar Avenues
Fresno, California 93740
Dr. John Wetly, President
(209) 294-4240

California State University, Fullerton
800 North State College Blvd.
Fullerton, California 92634
Dr. Milton A. Gordon, President
(714) 773-2011

California State University, Hayward
Hayward, California 94542
Dr. Norma S. Rees, President
(415) 881-3000

Humboldt State University
Arcata, California 95521
Dr. Alistair W. McCrone, President
(707) 826-3011

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Long Beach, California 90840
Dr. Curtis L. McCray, President
(213) 985-4111

California State University, Los Angeles
5151 State University Drive
Los Angeles, California 90032
Dr. James M. Rosser, President
(213) 343-3000

California State University, Northridge
18111 Nordhoff Street
Northridge, California 91330
Dr. James W. Cleary, President
(818) 885-1200

California State Polytechnic University, Pomona
3801 West Temple Avenue
Pomona, California 91768
Dr. Bob H. Suzuki, President
(714) 869-7659

California State University, Sacramento
6000 J Street
Sacramento, California 95819
Dr. Donald R. Gerth, President
(916) 278-6011

California State University, San Bernardino
5500 University Parkway
San Bernardino, California 92407
Dr. Anthony H. Evans, President
(714) 880-5000

San Diego State University
5300 Campanile Drive
San Diego, California 92182
Dr. Thomas B. Day, President
(619) 594-5000

Imperial Valley Campus
720 Heber Avenue
Calexico, California 92231
(619) 357-3721

San Francisco State University
1600 Holloway Avenue
San Francisco, California 94132
Dr. Robert A. Corrigan, President
(415) 338-1111

San Jose State University
One Washington Square
San Jose, California 95192
Dr. Gail Fullerton, President
(408) 924-1000

California Polytechnic State University, San Luis Obispo
San Luis Obispo, California 93407
Dr. Warren J. Baker, President
(805) 756-1111

California State University, San Marcos
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San Marcos, California 92096
Dr. Bill W. Stacy, President
(619) 471-4119

Sonoma State University
1801 East Cotati Avenue
Rohnert Park, California 94928
Dr. David W. Benson, President
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California State University, Stanislaus
801 West Monte Vista Avenue
Turlock, California 95380
Dr. John W. Moore, President
(209) 667-3122

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Officers of the Trustees

Governor Pete Wilson
President

Mr. William D. Campbell
Chair

Mr. Anthony M. Vitti
Vice Chair

Chancellor Barry Munitz
Secretary-Treasurer

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Appointments are for a term of eight years, except for a student Trustee, alumni Trustee, and faculty Trustee whose terms are for two years. Terms expire in the year in parentheses. Names are listed in order of appointment to the Board.

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Mr. Willie J. Stennis (1991)

Mr. Dean S. Lesher (1993)

Mr. Roland E. Arnall (1991)

Mr. Dixon R. Harwin (1990)

Ms. Marian Bagdasarian (1996)

Mrs. Marianthi Lansdale (1993)

Dr. John E. Kashiwabara, M.D. (1994)

Ms. Martha C. Fallgatter (1995)

Mr. William D. Campbell (1995)

Dr. Lyman H. Heine (1991)

Mr. Ralph R. Pesqueira (1996)

Mr. Ted J. Saenger (1997)

Mr. J. Gary Shansby (1992)

Mr. Scott Vick (1991)

Mr. Anthony M. Vitti (1997)

Mrs. Gloria S. Hom (1992)

Mr. James H. Gray (1998)

Mr. Terrance W. Flanigan (1991)

Mr. Jim Considine, Jr. (1992)

Correspondence with Trustees should be sent:

c/o Trustees Secretariat
The California State University
400 Golden Shore, Suite 322
Long Beach, California 90802-4275

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Governor of California
State Capitol
Sacramento 95814

The Honorable Leo T. McCarthy
Lieutenant Governor of California
State Capitol
Sacramento 95814

The Honorable Willie L. Brown, Jr.
Speaker of the Assembly
State Capitol
Sacramento 95814

The Honorable Bill Honig
State Superintendent of Public Instruction
721 Capitol Mall
Sacramento 95814

Dr. Barry Munitz
Chancellor of The California State University
400 Golden Shore
Long Beach 90802-4275

Office of the Chancellor

The California State University
400 Golden Shore
Long Beach, California 90802-4275
(213) 590-5506

Dr. Barry Munitz
Chancellor

Dr. Herbert L. Carter
Executive Vice Chancellor

Dr. Lee R. Kerschner
Vice Chancellor, Academic Affairs

Mr. D. Dale Hanner
Vice Chancellor, Business Affairs

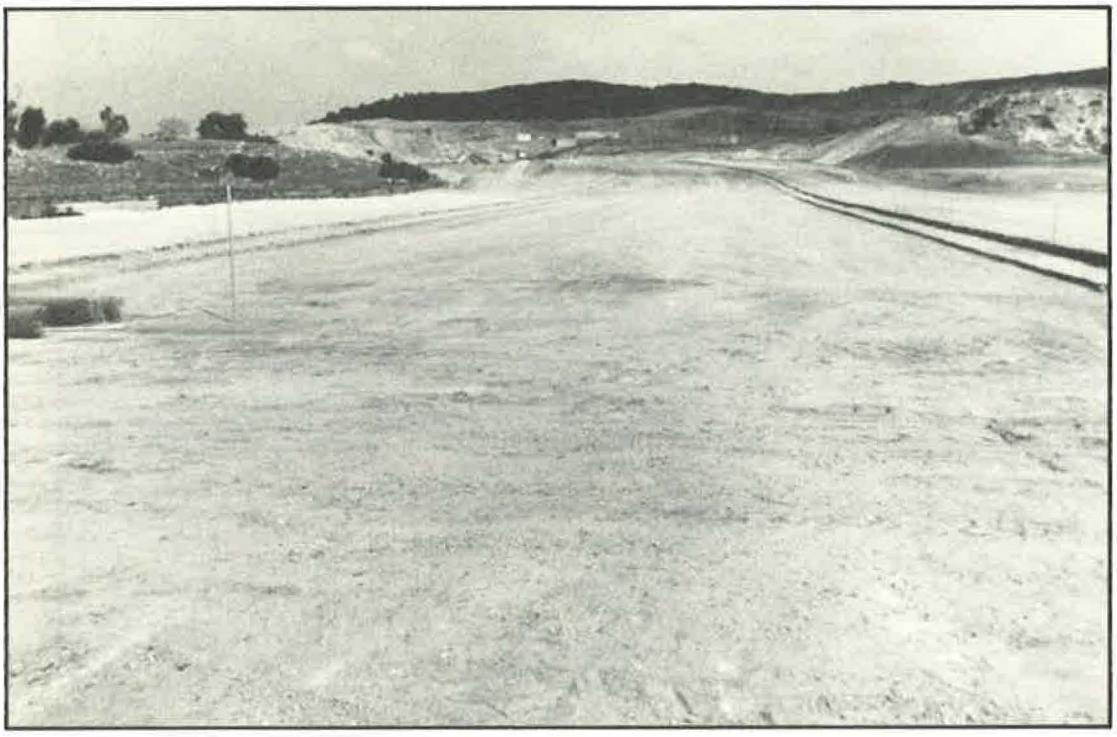
Dr. Caesar J. Naples
Vice Chancellor, Faculty and Staff Relations

Mr. Bruce M. Richardson
Acting General Counsel

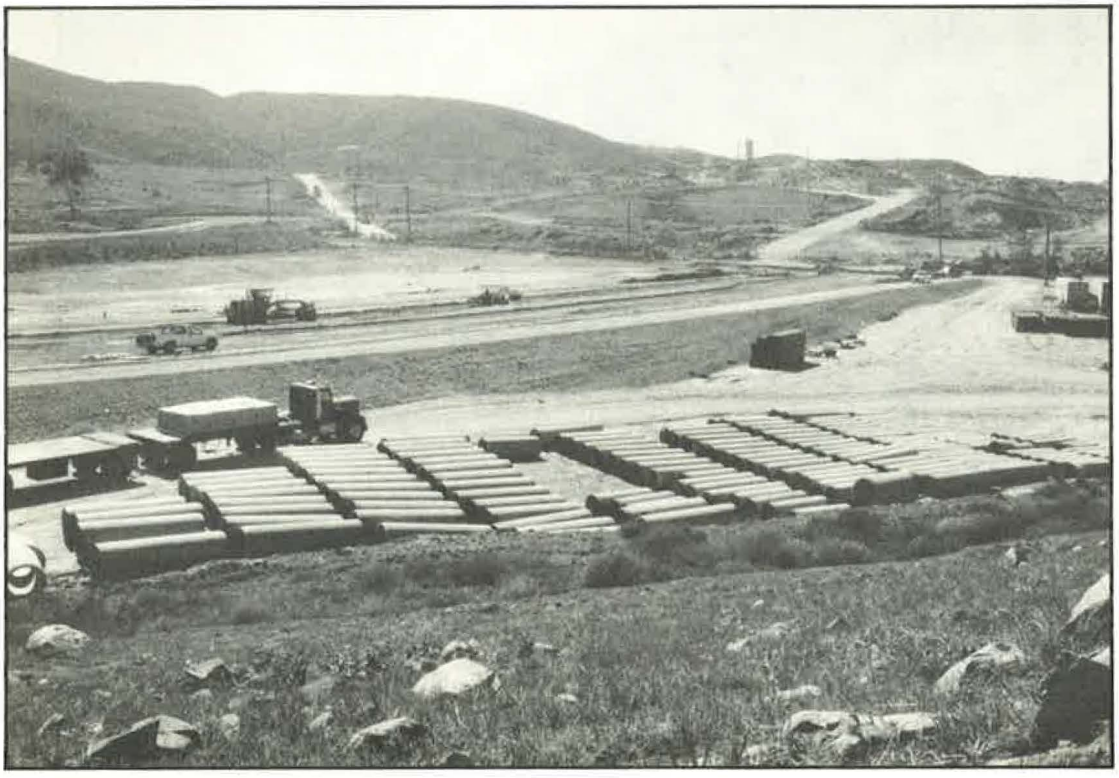
Dr. John M. Smart
Vice Chancellor, University Affairs

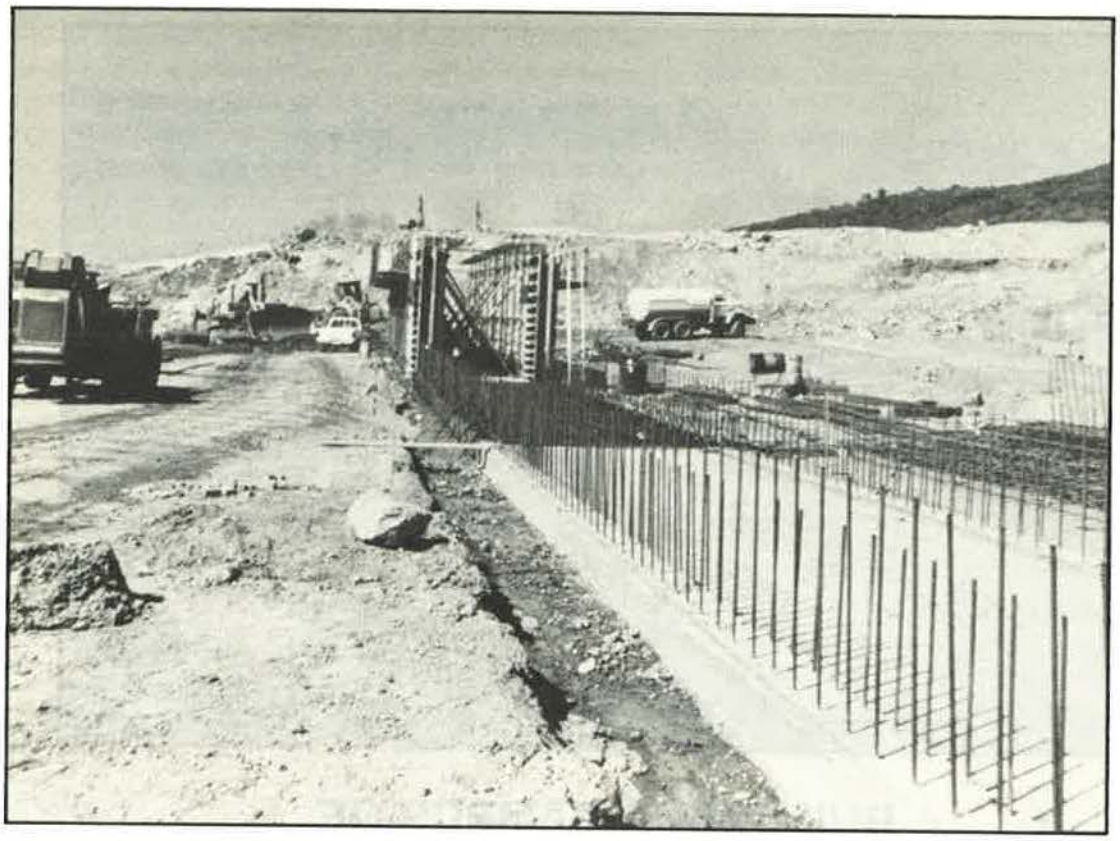

CALIFORNIA
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UNIVERSITY
SAN MARCOS

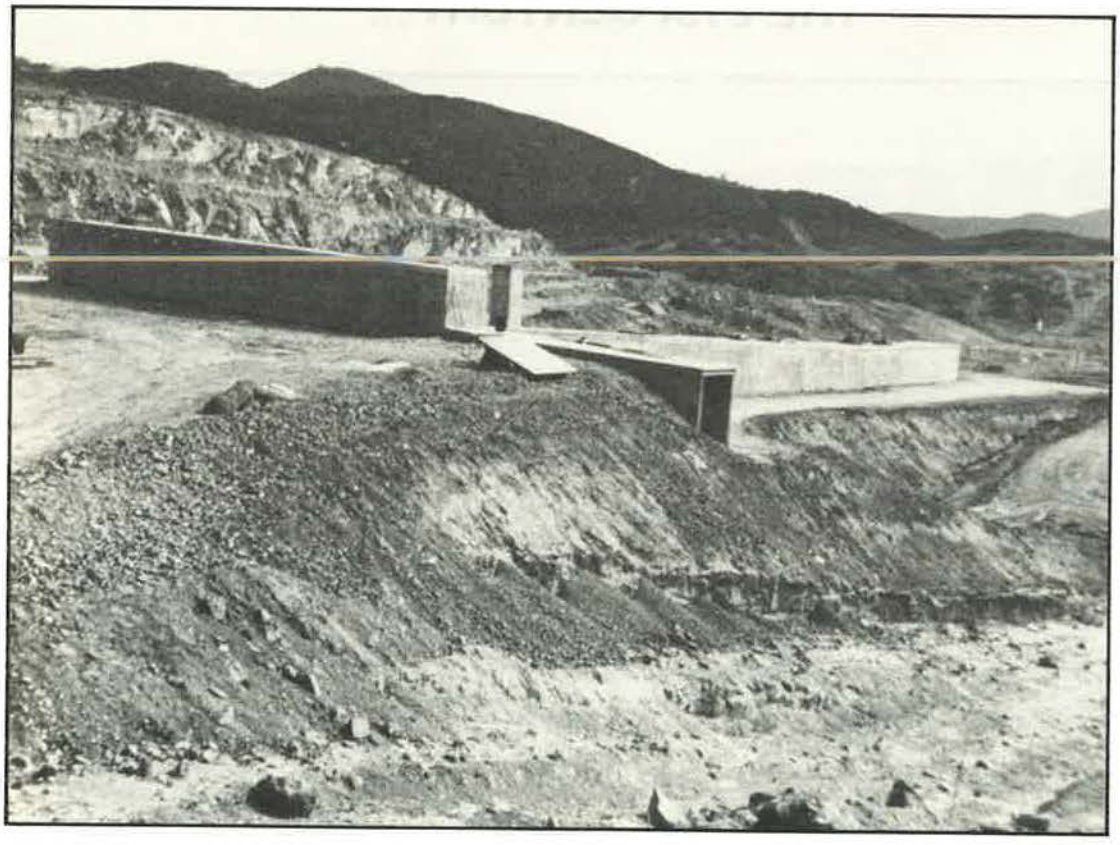




BUILDING A CAMPUS OF THE 21st CENTURY....







CSU, SAN MARCOS DESCRIPTIVE BACKGROUND AND HISTORY

California State University, San Marcos opened its doors on July 1, 1989 to the essential planning, staffing, and other actions necessary to create an outstanding state university for the 21st century. The people of California created the nation's newest state university in a series of educational and public policy deliberations lasting nearly a decade.

Citizens of North San Diego County attempted in 1968 to interest state, educational, political and fiscal leaders in the development of a state university for the area, but the efforts did not prove fruitful. In 1978, however, the efforts began to bear some results in the state capitol. Then-Assemblyman William A. Craven pursued a budget augmentation for the campus predecessor, San Diego State University, to fund an off-campus center in North County. Although the 1978 effort did not yield the funds nor the authorization for higher education in North County, a stage was set for the following year. In 1979, a sum of $214,000 was provided for a North County Center to be operated by San Diego State University. The proposal again found now-Senator William A. Craven as its primary legislative spokesperson and his bill supported the CSU's need to meet regional responsibilities in the area. The California legislature passed the legislation and Governor Edmund G. Brown signed the concurrence and the appropriation.

Between the fall of 1979 and 1989, significant academic planning preceded the opening of CSU, San Marcos. That planning had come from the Board of Trustees, Office of the Chancellor, San Diego State University, the California Postsecondary Education Commission, Advisory committees, and legislative committees.

The first step occurred with the preparation of an internal study at SDSU to determine whether a permanent university presence would be warranted in North County. This report was presented to the Chancellor on December 1, 1984, and she, in turn, took the matter to the Board of Trustees at the January 1985 meeting. The Board authorized a formal feasibility study to ascertain the need for a permanent off-campus center. The Board also sought appropriation support for this study. Senate Bill 1060, carried by Senator William Craven, included this funding and produced, upon passage on September 13, 1985, the following requirements and empowerments. The bill required the Trustees of The California State University:

> to consider the feasibility of establishing a permanent off-campus center in the northern portion of San Diego County in order to make post secondary education programs available in that area
>
> to develop criteria for the development of any proposals for the state-funded purchase or construction of off-campus centers within the California State University
>
> to submit the criteria to the California Postsecondary Education Commission.

In fulfillment of the spirit and intent of the legislation, CSU prepared a work plan and established two Requests for Proposals. The first called for a demographic/market analysis. Tadlock and Associates of Carmel, California in association with Deems/Lewis and Partners of San Diego were awarded the contract. Their report entitled "Demographic/Market Analysis for Off-Campus Center, San Diego State University, Northern San Diego County," submitted to the Trustees at their March 1986 meeting, included the following recommendations:

> CSU should plan for a comprehensive campus in North County Service Area (NCSA) to have a minimum of 14,900 enrollment and a maximum of 21,000 by the year 2010.
>
> CSU should acquire a site as rapidly as possible because rapid commercial and residential growth in the area is depleting good site availability and land costs are increasing.
>
> CSU should locate the site on the Highway 78 corridor or its connections to I-5 and I-15 to obtain optimum ease of access for a maximum number of NCSA residents.

The report was accepted by the Board of Trustees on March 12, 1986.

At the same time that they let the contract for the feasibility study, the Trustees also awarded one for site selection for a permanent off-campus center to PRC Engineering of San Diego. The property to be selected was intended to satisfy the near-term needs of additional access in the area as well as be large enough to serve as a campus if the Trustees decided to make the operation independent at some point in the future. The Trustees' Ad Hoc Committee on Off-Campus Centers, held an open hearing in March 1986 at which the representatives of four candidate sites presented their properties for consideration. PRC Engineering subsequently produced a report: "Northern San Diego County Campus Site Selection Study." The Board accepted its recommendation on May 16, 1986 that the former Prohoroff Ranch in San Marcos be the property designated for purchase negotiations.

The California Postsecondary Education Commission (CPEC) requested a study on the proposed permanent off-campus center for normal Commission review. Entitled "San Diego State University North County Proposal," the report was completed in June 1986 and forwarded to CPEC. The Commissioners accepted the report in January 1987, but asked for some additional material. This was provided by the University in a supplementary study in October 1987: "San Diego State University North County Proposal (1987)." With that information in hand, CPEC approved the proposal for a permanent off-campus center "without reservation" (in January 1988). The Commission recommended planning efforts for facilities sufficient to accommodate 1,700 FTE students in Fall 1992 and 2,000 FTE students by 1994.

In response to the Trustees' decision to move ahead on a permanent off-campus center, CSU prepared a San Marcos component as part of the 1987/88 FY Capital Outlay Program. The System requested $19 million from the 1986 General Obligation Bond issue approved by voters for land acquisition for the San Marcos site and another in Ventura County. An additional $200,000 was included for Master Planning Funds to develop a physical master plan for the North County campus. With the Governor's approval and with legislative passage of the 1987/88 Governor's Budget in July 1987, formal land acquisition negotiations began, and escrow ultimately closed in 1988 on 303 acres of the Prohoroff Ranch.

The CSU Board of Trustees appointed the firm of CRSS, Inc. of Houston, Texas and Irvine, California, as Master Plan Architect for the campus. After months of careful preparation by the architects, local administrators, and members of CSU staff, the Board adopted the physical master plan for the site on March 8, 1988. The master plan envisions a campus of an eventual size of 25,000 FTES. This plan was correlated with the Heart of the City plan developed by the City of San Marcos, which lays out land use criteria and design standards for about 1,600 acres of which the campus is the central part. The City Council approved the land use plan together with appropriate enforcing ordinances and administration regulations.

Decision to Create the Twentieth Campus of the CSU

The 1987/88 Budget Act also included language which called for response prior to the end of 1989. It stated that:

> . . . within two years of the acquisition of the property for the off-campus center in North San Diego County, the California State University shall submit to the Legislature and the California Postsecondary Education Commission an analysis of the feasibility of establishing a full-service campus at this site. This analysis shall also include the effects that establishment of a full-service campus would have on (1) the other California State University campuses, (2) the University of California campuses, and (3) the California Community Colleges. It is the intent of the Legislature that, if it is determined a full-service campus is not to be established in this location, the additional property acquired to accommodate a full-service campus shall be declared surplus and sold.

In response to this directive, the Office of the Chancellor prepared a study to provide appropriate information and to explore the feasibility of a full-service campus in San Marcos *(A Report to the Legislature and the California Postsecondary Education Commission on the Feasibility of Establishing a Full-Service California State University Campus in North San Diego County,* July 1988). Subsequent to the completion of the study, the Chancellor asked a representative group of involved parties to address the question of governance: should the North County San Diego operation become a separate campus or remain under San Diego State University for a certain period of time?

The results of the deliberations were divided as to the wisdom of which course to pursue. The Trustees then appointed an ad hoc committee to resolve the matter with Trustee William D. Campbell as chair.

When the report of the ad hoc committee was received, the Trustees voted on November 16, 1988 to accept the recommendation for independent status; they established the system's twentieth campus at San Marcos. CPEC analyzed the CSU report *(A Report to the Legislature . . .)*, taking note of the Trustees' decision. The Commission responded *(The Twentieth Campus)*, and the Commission recommended the establishment of a new campus in San Marcos on January 23, 1989.

Transition

After the decision on November 16, 1988 to establish a new university, a transitional operation was set up, including Chancellor's Office staff and SDSU personnel. The Chancellor appointed Dr. Richard R. Rush, Dean of SDSU, North County, as Vice President in Charge of the new campus until the founding President could be appointed. Dr. Rush also retained his SDSU deanship to provide continuity for the transition. After an appropriate national search, which began in January 1989, Bill W. Stacy was selected as the founding President, taking responsibility for the new University on July 1, 1989. Shortly after arrival, the first appointment of the President was to name Richard R. Rush, Executive Vice President of CSU, San Marcos both to signal completion

of the transition and yet retain the relationship and continuity with the campus predecessor. During the course of summer 1989, the President and the Executive Vice President organized the operation and recruited initial faculty, administrators and staff to begin the University.

OVERVIEW OF CURRENT TRANSITION ASSUMPTIONS

The Trustees have approved a plan whereby CSU, San Marcos will take increasing responsibility for higher education in North County over three years. In approving the University's request for Eligibility Status, WASC accepted the plan and timetable.

Beginning in July 1989 and continuing throughout this first year of its existence, CSU, San Marcos has been engaged in active planning. To accomplish this, the University recruited an outstanding cadre of eleven founding faculty members and two faculty consultants to assist in the process. These individuals, with three exceptions, began their work September 1, 1989. (The remaining three, unable to come full time in September, functioned as consultants during the interval. Two arrived to assume full-time responsibility on January 1, 1990; the third will be available full time for Fall semester 1991.) In addition, the President and Executive Vice President continued to assemble a staff which will be responsible for the other academic support functions customary in universities. During the initial organization process, CSU, San Marcos had no student enrollment; SDSU continued to have all responsibility for instruction in North County, serving in excess of 1,000 FTES during academic year 1989/90 at its North County Center.

In Fall 1990, CSU, San Marcos began to share the responsibilities for instruction. Both Universities occupy portions of the same leased facility during the two-year transition period. Of the 1,000 FTES targeted for Fall 1990, CSU, San Marcos served 345, with SDSU supporting 750. Beginning academic year 1991–92, CSUSM will be obligated for 750 FTE and SDSU will maintain responsibility for two cohorts of the multiple subject credential program, all other course offerings will be reverted to their main campus. Finally, in late 1992, with the anticipated completion of the first phase of the physical plant, CSU, San Marcos will take over complete responsibility and locate on its permanent site.

Planning for the twentieth CSU campus has involved the cooperative energy of not only the new faculty and staff, but also the Office of the Chancellor, the CSU statewide academic senate, the SDSU administration and faculty, and North County residents and organizations. Recommended degree programs and growth projections have been accepted by the California Postsecondary Education Commission. WASC has approved CSU, San Marcos for Candidacy Status and is assisting in the review of plans for the new campus. At every step, appropriate notices and reviews have taken place, incorporating the perspectives of systemwide, statewide, and regional organizations whose contributions are essential to a sound planning process. The award of Candidacy Status for California State University, San Marcos was based upon the groundwork established from 1979 to the present and the extensive planning undertaken cooperatively over the past years by the CSU. CSU, San Marcos is committed to meeting and exceeding the standards applicable to accredited institutions in an effort to develop and establish an outstanding university for this region and the State of California.

CSU, San Marcos is built upon the solid core of academic policies and planning characteristics of The California State University. In addition, CSUSM focuses on the needs of the local community. This two-tiered approach provides the strength of CSU directives and the credibility of our emerging distinctiveness of a program of regional appropriateness to launch the nation's newest state university.

Governance

Governance on the campus at California State University, San Marcos is the responsibility of the President upon consultation with faculty and staff. Working closely with the President and his designees are the Academic Senate and the Administrative Council who initiate, review, and/or recommend for approval various university programs, policies, and procedures. Although the President is vested with the final authority for all university activities, maximum faculty and staff participation in campus decision-making and governance is currently the mode of operation at CSU, San Marcos.

Students also have the opportunity to be actively involved in the decision-making and recommendation processes for policies and procedures. As the University admitted students, they have been invited to have representation in University committees that set student and academic policies.

Purpose

The title "California State University, San Marcos" is descriptive of the purposes, size, and complexity of the new University. The institution is one of the twenty CSU campuses, governed by the Board of Trustees. Further, it will comprise several colleges within its organization. At the outset, three colleges have been established: Arts and Sciences, Business Administration, and Education. Under the aegis of these colleges, a number of program structures will develop within the first two years. Beginning in Fall 1990, ten undergraduate majors, including business administration with options in accounting and man-

agement, and a postbaccalaureate multiple subjects teacher credential program were offered during the first year of the University's existence. Additionally, there were nine minors, in the disciplines offering majors and Women's Studies.

It is clear that the initial programs of the new University derive immediately from the Mission Statement. The University encourages a solid liberal arts and sciences education as a basis for all future endeavors. While it will be a comprehensive University, CSU, San Marcos intends to relate preprofessional programs to the essential tenets of liberal education. To this end, the University's budget will provide adequate support for achievement of the University's purposes.

ACADEMIC FREEDOM

All true education depends upon the free expression and exchange of ideas in the search for truth. Academic freedom is the freedom to express any view, popular or unpopular, and to defend that point of view in open exchange. The University supports freedom of speech, inquiry, and expression for all members of its faculty, students, and staff in both curricular and co-curricular activities. All members of the CSU, San Marcos faculty shall have full academic freedom, and the University endorses the general principles of academic freedom outlined in the AAUP Statement (1940) of Principles of Academic Freedom and Tenure.

The principles of academic freedom require their application to both teaching and research. Research cannot fulfill its fundamental purpose of advancing knowledge unless it is done in an environment supportive of academic freedom. Academic freedom is essential to the classroom, as a protection of the rights of the teacher and of the student. All those engaged in research are entitled to full freedom in research and in the publication of results, legal requirements, and recognized standards of their profession. Teachers are entitled to freedom in the classroom in presenting material related to the content of the course, but shall refrain from insisting that students or others accept any controversial point of view as authoritative.

CSU, San Marcos members have the right to speak or write as citizens in any forum, free from institutional censorship or discipline. However, they should apply the best standards of their profession and make every effort to indicate that they are speaking as individuals and not as representatives of the University. As members of the academic community, they should also remember that freedom of expression and thought equally carries with it certain duties and obligations. Academic freedom does not extend, for example, to any kind of abuse or infringement of the rights of others.

Affirmative Action Statement

California State University, San Marcos supports equal opportunity, nondiscrimination and nonharassment of individuals regardless of sex, age, ethnicity, religious preference, disability, medical condition, sexual orientation, veterans status or marital status. This policy is supported by the University's commitment to discrimination-free practices.

Sexual Harassment

California State University, San Marcos endorses The California State University systemwide policy that campuses will maintain a working and learning environment free from sexual harassment for students, employees, and those who apply for student or employee status. All members of the campus community are entitled to a positive, creative, harassment-free environment. It is the University's intention that the creation and maintenance of such an environment be the objective of all University community members.

Drug-Free Environment

In compliance with the federal Drug-Free Schools and Communities Act Amendments of 1989, California State University, San Marcos certifies that the University will be a drug-free workplace and learning environment and that the unlawful manufacture, distribution, dispensation, possession or use of controlled substances is prohibited by employees and students at the University. Violation of this prohibition may result in appropriate disciplinary actions up to and including termination of employment or expulsion from the University.

Employees or students with questions about the dangers of drug abuse and/or those seeking information about the availability of employee/student assistance and drug counseling programs are urged to contact the Director of Personnel Services or the Dean of Student Services, as appropriate.

CALIFORNIA STATE UNIVERSITY, SAN MARCOS FOUNDATION

The California State University, San Marcos Foundation is a nonprofit public benefit corporation chartered as an auxiliary organization to supplement the fundamental mission of CSU, San Marcos.

The Foundation is governed by a Board of Directors in accordance with its Articles of Incorporation and Bylaws. Requests for further information about the California State University Foundation should be directed to the Office of the Executive Vice President.

Board of Directors

Mr. Anthony Acone
Daniels Cablevision

Mr. Harry Brakebill
Vice Chancellor (Retired)
The California State University

Mr. Larry Clemens
Hillman Properties/Aviara

Mr. David Down
Peat Marwick

Ms. Suzanne Green
CSU, San Marcos

Dr. Trini Melcher
CSU, San Marcos

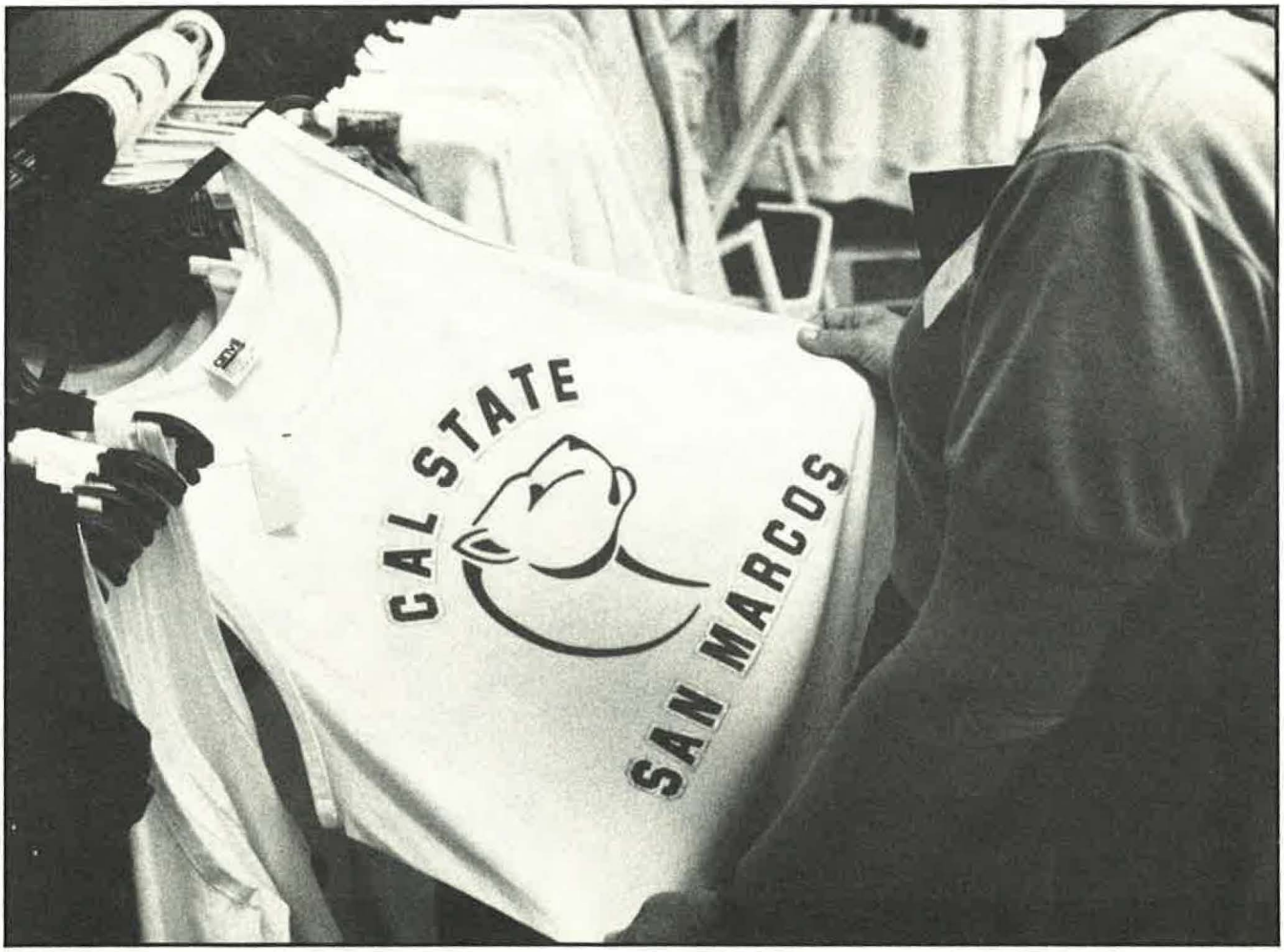
Dr. Janathin Miller
Access Research Corporation

Dr. Richard Rush
CSU, San Marcos

Dr. Bill Stacy
CSU, San Marcos

Ms. Diane Ward
Walters, Ward and Howell

Student Representative







ADMINISTRATION AND ADMINISTRATIVE OFFICES

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Presidential Aide .....Carol J. Bonomo

Executive Vice President .....Richard R. Rush

Assistant to the Executive
Vice President .....Marti A. Gray

Assistant Vice President
for Physical Planning and
Campus Construction .....Albert M. Amado

Assistant Vice President
Physical Planning and
Capital Budget .....Sheila M. Chaffin

Director
Business Services .....Patricia L. Farris

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Personnel .....Judith H. Taylor

Academic Vice President ....Richard S. Millman

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College of Arts and Sciences .....Victor Rocha

Dean (Acting)
College of Business
Administration .....Bernard L. Hinton

Dean
College of Education .....M. Steve Lilly

Director
Curriculum Services.....Eugenia E. Haven

Director
Library Services .....Marion T. Reid

Dean of Student Services.....Ernest E. Zomalt

Director
Admissions and Records .....Betty J. Huff

Director
Financial Aid .....Paul E. Phillips

Director
Student Development.....Sandra R. Kuchler

UNIVERSITY COUNCIL

The CSU, San Marcos University Council is a Citizen Advisory Group consisting of community leaders interested in the development and welfare of the University. The Council advises the President on a number of matters, particularly those affecting university and community relations.

University Council Members

Mr. Joseph Bear
Vice President
Hughes Aircraft

Mr. Paul Ecke, Jr.
President
Poinsettia Farms

Mr. Kenneth Lounsbery
Vice President
Lusardi Construction Company

Dr. Wayne Miller
Director
Palomar Medical Center

Mr. Michael Padilla
Attorney at Law

Ms. Janie Phillips
Area Manager—North San Diego County
Pacific Bell

Mr. Jack Raymond
President
Terraton Corporation

Mr. Robert Spanjian
Spanjian Enterprises

Ms. Gloria Valencia-Cothran
Community Activist

Senator William A. Craven (Ex-Officio Member)



CENTER FOR THE STUDY OF BOOKS IN SPANISH FOR CHILDREN AND ADOLESCENTS

The Center for the Study of Books in Spanish for Children and Adolescents at California State University, San Marcos is an interdisciplinary university unit. It endeavors to serve the university community and the public and to maintain strong ties with various organizations interested in meeting the needs of young readers. The purposes of the Center are:

- To serve as an examination center of books in Spanish and books in English about Hispanics for children and adolescents.
- To assist librarians, teachers, parents and other adults in the selection, acquisition and use of books in Spanish for children and adolescents.
- To encourage/support research on books in Spanish for young readers.
- To assist in the development of training programs to encourage Spanish-speaking children and adolescents to read for enjoyment, education and/or information.
- To inform and guide educational and community institutions in providing authoritative and useful courses on books in Spanish for young readers.
- To assist in improving the effectiveness of seminars, forums and/or workshops on books in Spanish for children and adolescents.
- To provide information about the book publishing industry for young readers in the Spanish language.

Further information about the Center may be obtained by writing to: Isabel Schon, Ph.D., Director, 820 West Los Vallecitos Boulevard, San Marcos, CA 92096 or by calling (619) 471-4158

CENTRO PARA EL ESTUDIO DE LIBROS INFANTILES Y JUVENILES EN ESPANOL

El Centro para el Estudio de Libros Infantiles y Juveniles en Español de la Universidad Estatal de California, San Marcos, combina varias disciplinas de la universidad. Este Centro se esfuerza en servir a la comunidad universitaria y al público y en mantener lazos con varias organizaciones interesadas en atender las necesidades de lectores jóvenes. Los propósitos del Centro son:

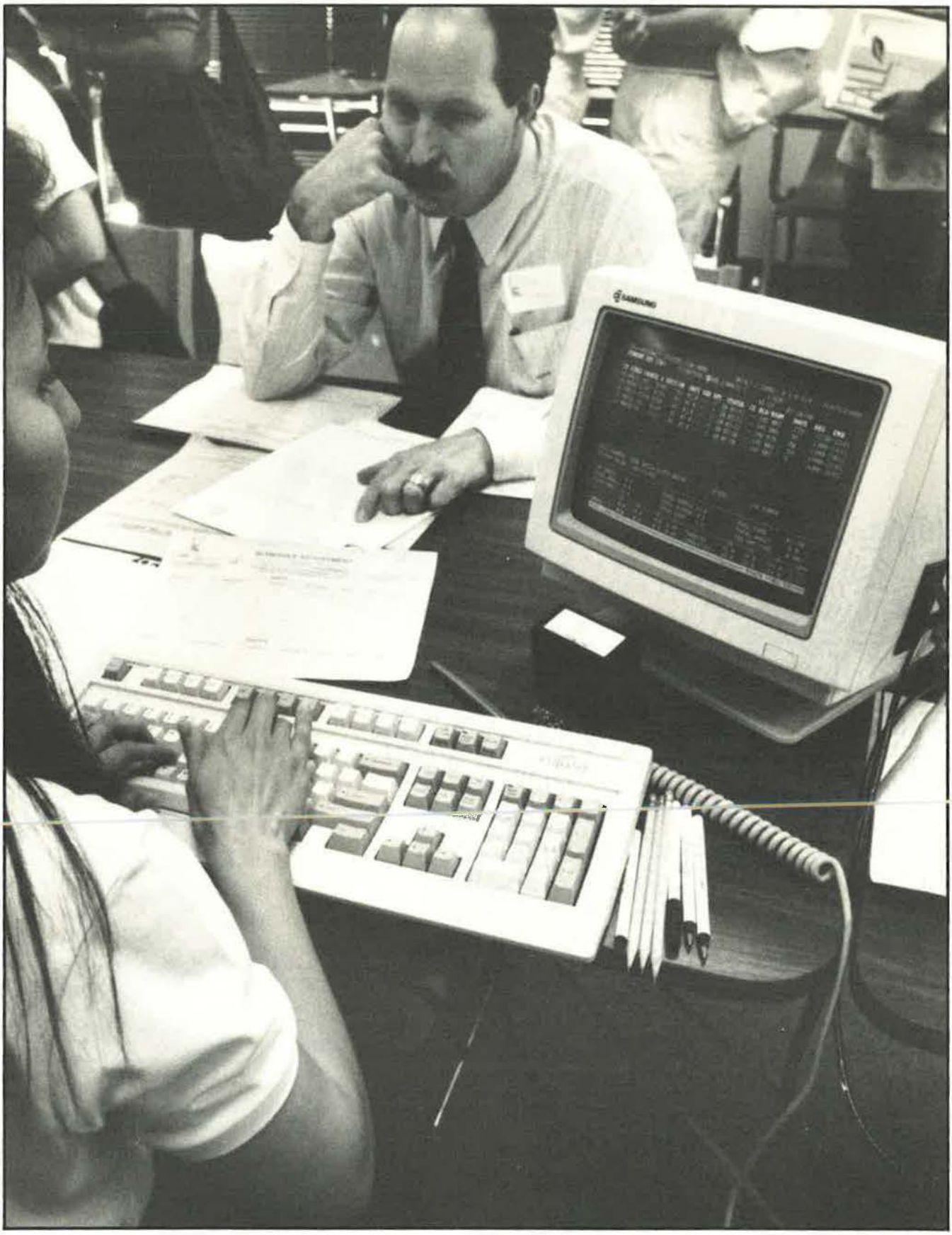
- De servir como centro de investigación de libros en español y de libros sobre temas hispánicos en inglés, para niños y adolescentes.
- De asistir a bibliotecarios, maestros, padres y otros adultos en la selección, adquisición y uso de libros infantiles y juveniles en español.
- De promover la investigación sobre libros en español para lectores jóvenes.
- De asistir en el desarrollo de programas de entrenamiento que promuevan que los niños y adolecentes hispanoparlantes lean con fines recreativos, educativos y/o informativos.
- De informar y guiar a instituciones educativas y de la comunidad en proporcionar cursos útiles sobre libros en español para lectores jóvenes.
- De asistir en mejorar la eficiencia de seminarios, conferencias y/o talleres sobre libros para niños y adolescentes en español.
- De proporcionar información sobre la industria editorial en español para lectores jóvenes.

Más información acerca de este Centro se puede obtener escribiendo a: Isabel Schon, Ph.D., Directora, 820 West Los Vallecitos Boulevard, San Marcos, CA 92096 o llamando al (619) 471-4158

1991-1992

ACADEMIC PROGRAMS AND ACADEMIC SUPPORT SERVICES





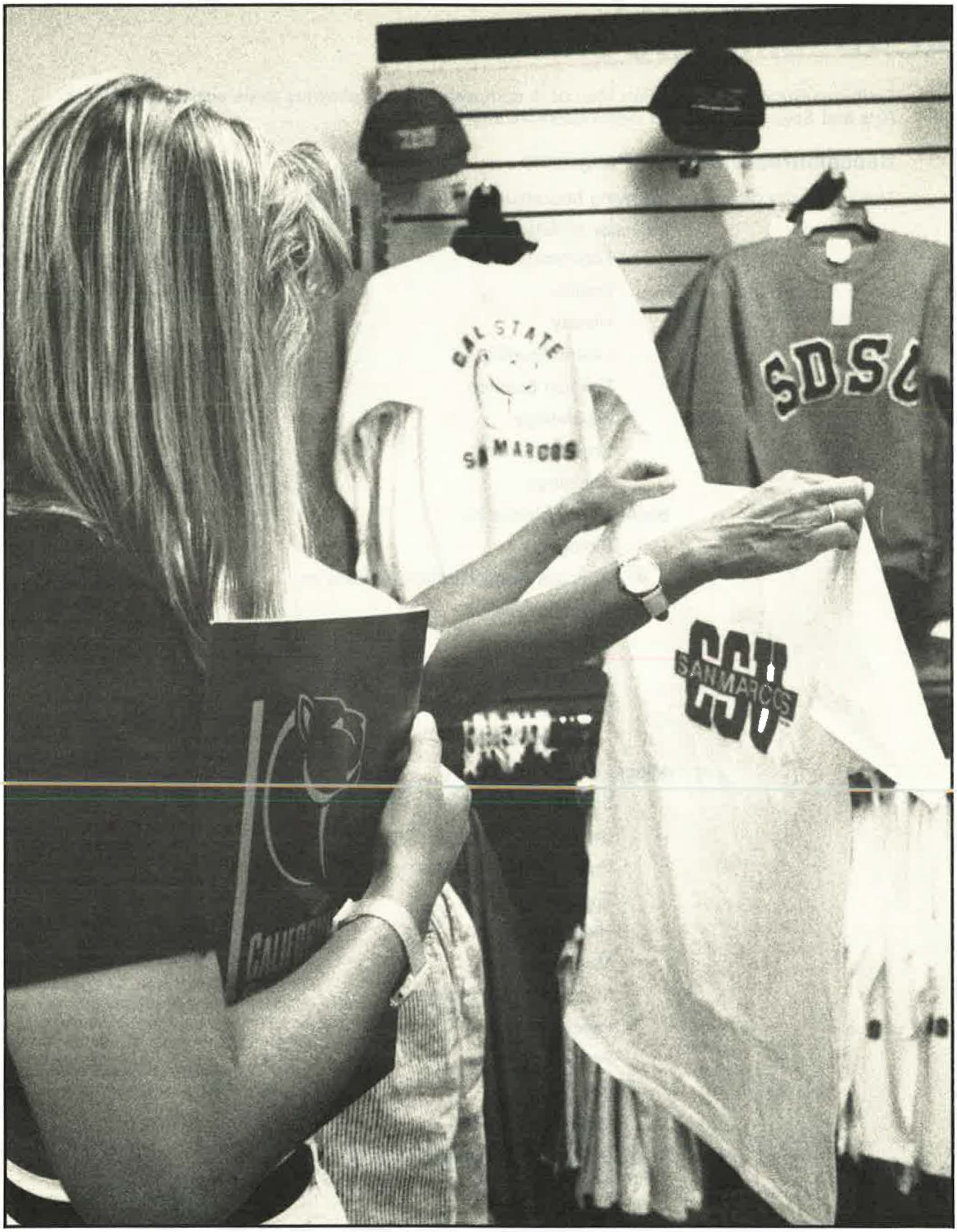
THE UNIVERSITY ACADEMIC PROGRAM

California State University, San Marcos is composed of the following three academic colleges: Arts and Sciences, Business Administration, and Education.

Baccalaureate Degree Programs

The University offers the following baccalaureate degree programs:

- Bachelor of Arts in:
  - Economics
  - English
  - History
  - Liberal Studies
  - Political Science
  - Psychology
  - Social Science
  - Sociology
- Bachelor of Science in:
  - Biology
  - Business Administration, options in:
    - Accounting
    - Management
  - Mathematical Sciences, options in:
    - Computer Science
    - Mathematics
- Minors in:
  - Economics
  - Biology
  - Business Administration
  - English
  - History
  - Management
  - Mathematical Sciences
  - Psychology
  - Political Science
  - Sociology
  - Women's Studies
- Multiple Subject Teaching Credential Program


CSU
SAN MARCOS

ACADEMIC SUPPORT SERVICES

UNIVERSITY LIBRARY

The University Library serves both the CSU, San Marcos campus and the Multiple Subject Credential students from San Diego State University, North County. It provides a modest collection of books, journals, cassettes, CD's, and videotapes to support the current curriculum. It's proactive reference facility is enhanced by indexes in electronic format. The Library serves as a gateway to information far beyond its walls, with close ties to other library resources in San Diego County, an active inter-library loan operation which can obtain materials from libraries throughout the United States and on-line searching of national bibliographic databases.

In addition, library staff are actively planning the facility scheduled to open in the William A. Craven Hall on the permanent campus in late 1992. This 35,000-square-foot library is designed to house a core collection of 80,000 volumes, an extensive audio-visual collection, an instructional support facility and a television studio. The Library's on-line catalog will be available through dial-up access and will include not only citations of items in the collection, but also on-line reference tools.

Computer Laboratories

The University offers its students access to two computer laboratories located in the Library quarters. These laboratories are equipped with Apple Macintosh and IBM personal computers set up with a variety of software programs. Because some classes are scheduled in these laboratories, it is recommended that students check the schedules of open-hours posted at the entryway of each laboratory. The laboratories are restricted to University students, faculty, and staff.

Special Collections

The Library houses the collection for the Center for the Study of Books in Spanish for Children and Adolescents/Centro para el Estudio de Libros Infantiles y Juveniles en Español. It is the goal of this working collection to provide the current world publishing output of books in Spanish and books in English about Hispanics for children and adolescents.

The Library is also developing a special collection to document the history and growth of the University and the San Marcos area. It serves as the repository for University archives.

CULTURAL EVENTS

The Library staff plays a primary role in coordinating a program of unique cultural events for the University community and the North County area. Presentations include lectures, concerts, and an American Indian Cultural Fair.

INTERNATIONAL PROGRAMS

Now in its 27th year of continuous operation, The California State University (CSU) International Programs offer students the opportunity to continue their studies overseas for a full academic year while they remain enrolled at their home CSU campus. The International Programs' primary purposes are to enable selected students to gain a firsthand understanding of other areas of the world and to advance their knowledge and skills within specific academic disciplines in pursuit of established degree objectives. Since its inception, the International Programs have enrolled nearly 10,000 CSU students.

A wide variety of academic majors may be accommodated by the 36 foreign universities cooperating with the International Programs in 16 countries around the globe. The affiliated institutions are: the University of Queensland (Australia); the University of Sao Paulo (Brazil); the universities of the Province of Quebec (Canada); the University of Copenhagen (through DIS Study Program); the University of Provence (France); the Universities of Heidelberg and Tbingen (Germany); the Hebrew University of Jerusalem (Israel); the University of Florence (Italy); Waseda University (Japan); the Iberoamericana University (Mexico); Massey University and Lincoln University College (New Zealand); National Chengchi University (Republic of China/Taiwan); the Universities of Granada and Madrid (Spain); the University of Uppsala (Sweden); Bradford, Bristol, Sheffield, and Swansea Universities and Kingston Polytechnic (the United Kingdom); and the University of Zimbabwe (Zimbabwe). Information on academic course offerings available at these locations is in the International Programs Bulletin, which may be obtained from the Office of Student Services.

To be selected to participate, students must have upper-division or graduate standing at a CSU campus by the time of departure, possess a cumulative grade point average of 2.75 or 3.00, depending on the program, for all college level work completed at the time of application, and have completed required language or other preparatory study where applicable. Selection is competitive and is based on home campus recommendations and the applicant's academic record. Final selection is made by the Office of International Programs in consultation with a statewide selection committee.

The International Programs pays all tuition and administrative costs overseas for each of its participants to the same extent that such funds would be expended to support similar costs in California. Students assume responsibility for all personal costs,

such as transportation, room and board, and living expenses, as well as for home campus fees. Because they remain enrolled at their home CSU campus while studying overseas, International Programs students earn full resident credit for all academic work completed while abroad and remain eligible to receive any form of financial aid (other than work-study) for which they can individually qualify.

Information and application materials may be obtained by writing to The California State University International Programs, 400 Golden Shore, Long Beach, California 90802-4275. Applications for the 1992-93 academic year overseas must be submitted by February 1, 1992.

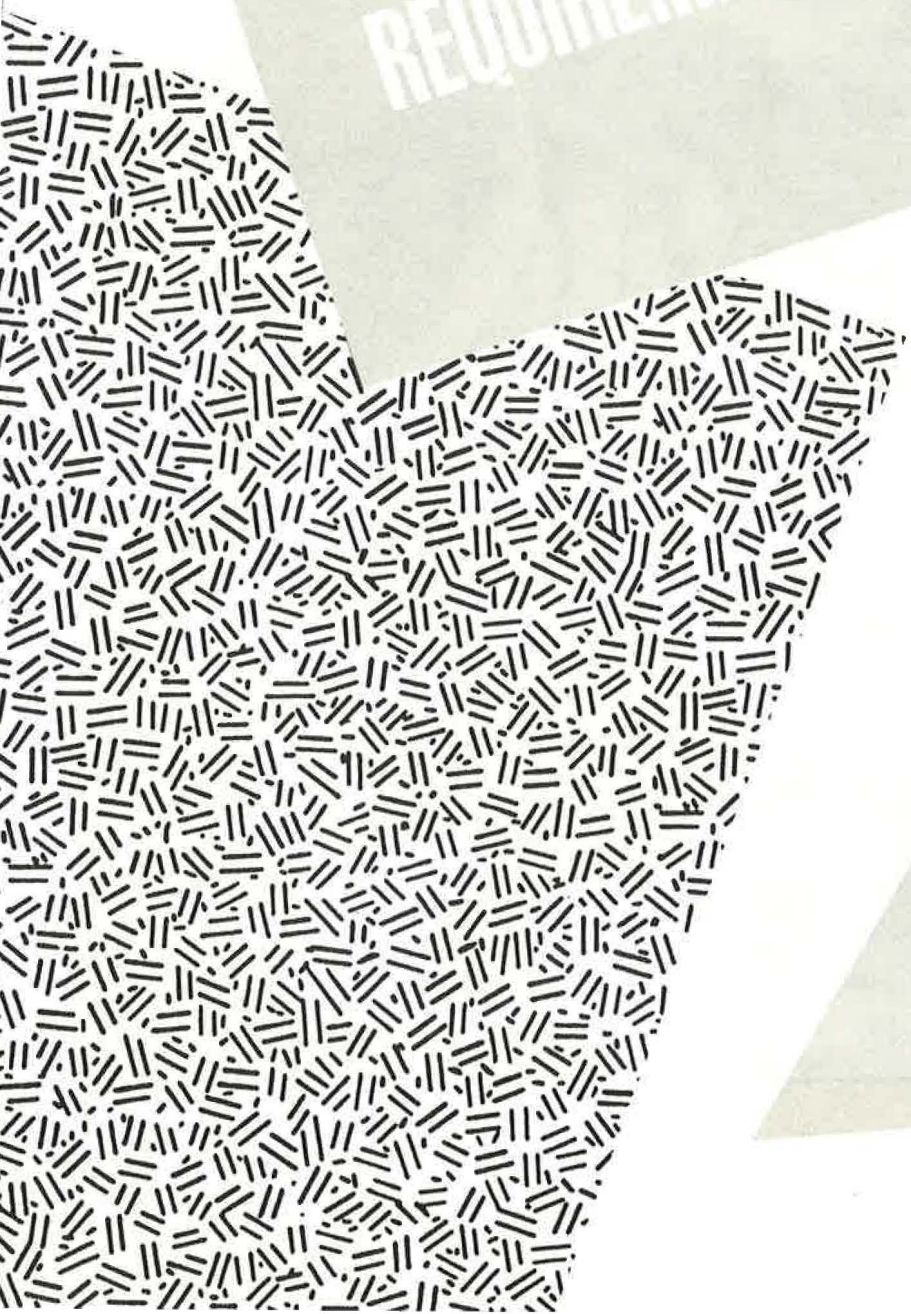


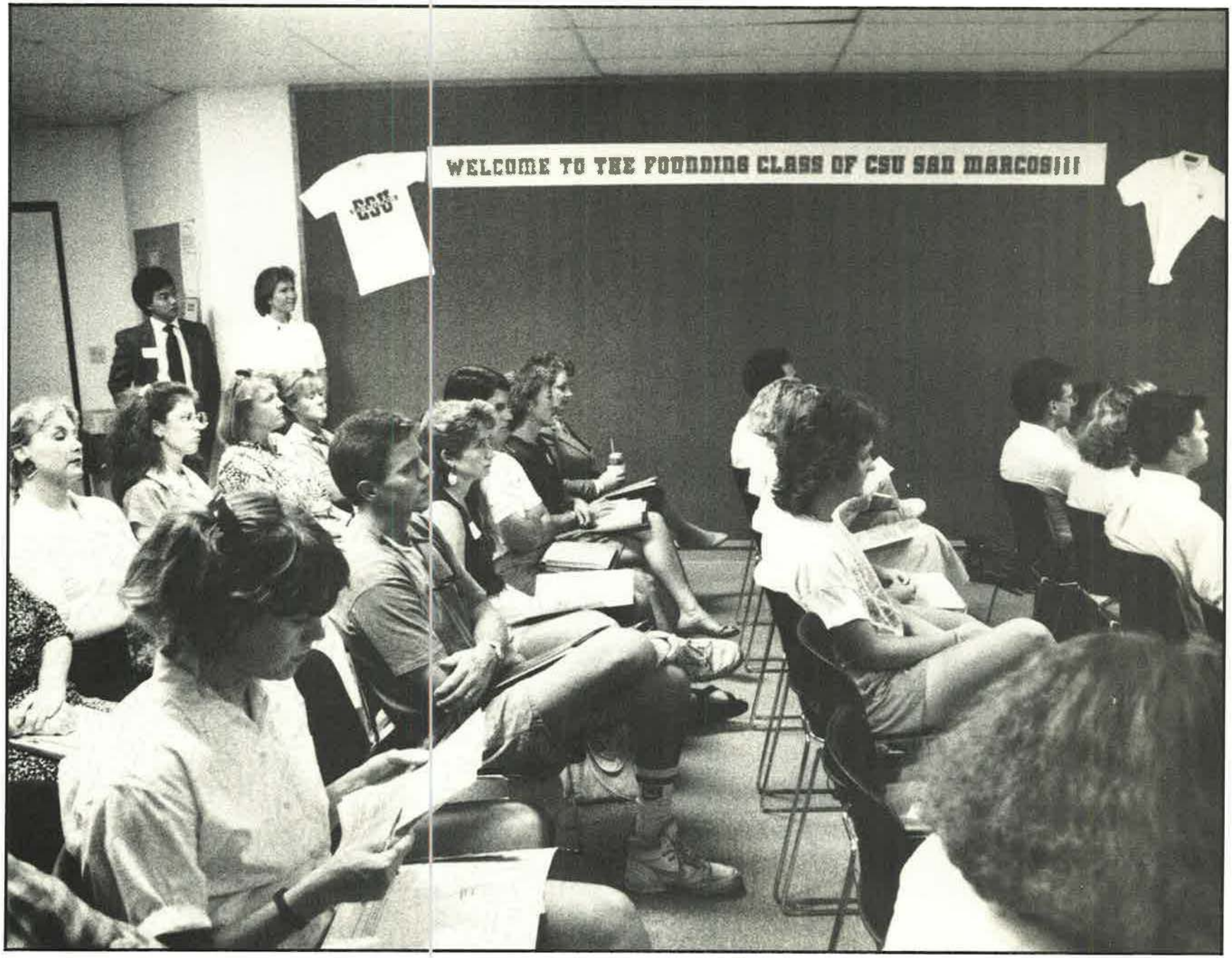




1991-1992

ADMISSION REQUIREMENTS




WELCOME TO THE FOUNDING CLASS OF CSU SAN MARCOS!!!

ADMISSION TO THE UNIVERSITY

Requirements for admission to California State University, San Marcos are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Prospective applicants who are unsure of their status under these requirements are encouraged to consult a high school or community college counselor or the Office of Admissions and Records. Applications may be obtained from the Office of Admissions and Records at any of the campuses of The California State University or at any California high school or community college.

The CSU advises prospective students that they must supply complete and accurate information on the application for admission, residence questionnaire, and financial aid forms. Further, applicants must submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

Use of Social Security Number

Applicants are required to include their Social Security account number in designated places on applications for admission pursuant to the authority contained in Title 5, California Code of Regulations, Section 41201. The Social Security account number is used as a means of identifying records pertaining to the student as well as identifying the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the University.

UNDERGRADUATE APPLICATION PROCEDURES

Prospective students applying for part-time or full-time programs of study, in day or evening classes, must file a complete application as described in the admission booklet. The $55 nonrefundable application fee should be in the form of a check or money order payable to "The California State University" and may not be transferred or used to apply to another term. Applicants need file only at their first choice campus. An alternative choice campus and major may be indicated on the application, but applicants should list as an alternative campus only that campus of The California State University that they can attend. Generally, an alternative major will be considered at the first choice campus before an application is redirected to an alternative choice campus. Applicants will be considered automatically at the alternative choice campus if the first choice campus cannot accommodate them.

Application Filing Periods

Filing Period Duration: Each campus accepts applications until capacities are reached. Undergraduates are encouraged to apply during the initial filing period to facilitate the campus' early review and response. The campus continues to accept applications until enrollment categories are reached. If applying after the initial filing period, the student should consult with the Office of Admissions and Records for current information.

Terms in 1991–92	Applications First Accepted
Fall Semester 1991	November 1, 1990
Spring Semester 1992	August 1, 1991

Application Acknowledgment

Students may expect to receive an acknowledgment of their application from the Office of Admissions and Records beginning in January 1991 for Fall 1991 semester and October 1991 for Spring 1992 semester. The acknowledgment letter will include a request that students submit the records necessary for the campus to determine their admission eligibility and qualifications. Students may be assured of admission if the evaluation of their qualifications indicates that they meet admission requirements. Such a notice is not transferable to another term nor to another campus.

Hardship Petitions

Qualified applicants who would be faced with extreme hardship if they are not admitted should communicate in writing the details of their hardship to the Office of Admissions and Records and request hardship admission consideration.

Notification of Admission

Applicants who have received an application acknowledgment and have submitted all required admission materials will begin to receive notification of acceptance or denial of admission to the Fall 1991 semester beginning on April 1, and for the Spring 1992 semester beginning on November 15. If the processing schedule permits, some applicants may be notified in advance of these dates.

Cancellation of Admission

Admission will be canceled automatically if a student who received a notice of admission for a given semester does not register for that semester. If the student wishes to undertake work at the University at a later date, the student must file a new applica-

tion, pay a new application fee, and meet the current admission requirements.

Materials supporting the application for admission, such as transcripts and entrance examination scores, are retained for one year only. Additional documentation will be required of work done in the interim to complete the student's application file.

Filing Official Transcripts

Applicants must file the following official transcripts with the Office of Admissions and Records:

1. Transcripts from last attended high school or high school of graduation may be requested for transfer applicants who have not completed the appropriate General Education requirements.
2. Transcripts from EACH college attended (including extension and summer session).
3. Photostatic copy of the military separation form DD-214 if applicant wants transfer credit for active military service.

A transcript will be considered official and accepted to meet the regulations governing admission only if forwarded directly to CSU, San Marcos by the institution attended. All records or transcripts received by the University become the property of the University and ***will not be released, nor will copies be made.***

IMPACTED PROGRAMS

The California State University designates programs as impacted when more applications are received in the first month of the filing period than can be accommodated. Some programs are impacted at every campus where they are offered; others are impacted only at some campuses. Students must meet supplementary admission criteria if applying to an impacted program. CSU, San Marcos does not project to have impacted programs in the future years.

The California State University will announce before the opening of the Fall filing period which programs are impacted and the supplementary criteria campuses will use. That announcement will be published in the CSU School and College Review, distributed to high school and college counselors. Information about the supplementary criteria will also be forwarded to program applicants.

Students must file their application for admission to an impacted program during the first month of the filing period. Further, if students wish to be considered in impacted programs at two or more campuses, students must file an application to each. Nonresident applicants are rarely admitted to impacted programs.

Supplementary Admission Criteria for Impacted Programs

Each campus with impacted programs uses supplementary admission criteria in screening applicants. Supplementary criteria may include ranking on the freshman eligibility index (see eligibility index in the Appendix section of this catalog), the overall transfer grade point average (transfer GPA), and a combination of campus-developed criteria. If students are required to submit scores on either the SAT or the ACT, students should take the test no later than December if applying for Fall admission.

The supplementary admission criteria used by the individual campuses to screen applicants appear periodically in the CSU School and College Review and are sent by the campuses to all applicants seeking admission to an impacted program.

Unlike unaccommodated applicants to locally impacted programs who may be redirected to another campus in the same major, unaccommodated applicants to systemwide impacted programs may not be redirected in the same major but may choose an alternative major either at the first choice campus or another campus.

UNDERGRADUATE ADMISSION REQUIREMENTS

CSU San Marcos will accept upper-division transfer students and post-baccalaureate students during Academic Years 1990-94. Freshman and lower-division-transfer students will be accepted beginning with the Fall 1995 semester. Information regarding Freshman Admission Requirements, Subject Requirements, Phase-in of the Subject Requirements, Waiver of Foreign Language, Making up Missing College Preparatory Subject Requirements, High School Honor Courses, Provisional Admission, and Test Requirements is described in detail in The CSU Admission booklet and in the Appendix section of this catalog. This information may be useful to community college students in planning their enrollment in the future.

Requirements for Transfer Applicants

Applicants to CSU, San Marcos will qualify for admission as upper-division transfer students if they have a grade-point average of 2.0 (C) or better in all transferable units attempted, are in good standing at the last college or university attended, and have completed at least 56 transferable semester (84 quarter) units and have made up any missing sub-

ject requirements (as described below). Nonresidents must have a 2.4 grade-point average or better.

For these requirements, transferable courses are those designated for that purpose by the college or university offering the courses.

Making Up Missing College Preparatory Subject Requirements

Undergraduate transfer applicants who did not complete the subject requirements while in high school may make up missing subjects in any of the following ways:

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better.
3. Earn acceptable scores on specified examinations.
4. Applicants with 56 or more semester (84 quarter) units may complete, with a C or better in each course, one of the following alternatives:
   a. ***1987 or earlier high school graduates:*** the CSU General Education requirements in communication, in the English language (at least 9 semester units), and mathematics (usually 3 semester units);
   b. ***1988 and later high school graduates:*** complete a minimum of 30 semester (45 quarter) units to be chosen from courses in English, arts and humanities, social science, science, and mathematics of at least equivalent level to courses that meet General Education or transfer curriculum requirements. Each student must complete all CSU General Education requirements in communication, in the English language (at least 9 semester units), and mathematics (usually 3 semester units) as part of the thirty (30)-unit requirement.

Note: Lower-division transfer requirements are described in the CSU Admissions booklet and the Appendix section of this catalog and could be used for reference to assist students in planning their admission to CSU, San Marcos as transfer upper-division students.

Please consult with any CSU Admissions Office for further information about alternative ways to satisfy the subject requirements.

TOEFL Requirement

All CSU, San Marcos undergraduate applicants, regardless of citizenship, who have not attended schools at the secondary level, or above, for at least three years full time where English is the principal language of instruction must present a score of 550 or above on the Test of English as a Foreign Language (TOEFL).

HEALTH SCREENING PROVISIONS— Measles and Rubella Immunizations

All students born after January 1, 1957, are required to present proof of measles and rubella immunizations. This is not an admissions requirement, but shall be required of students by the beginning of their second term of enrollment in any CSU. California State University, San Marcos students who have not complied with this CSU mandate will be notified of the need to comply before they are allowed to register for their second term.

Proof of measles and rubella immunizations shall also be required for certain groups of enrolled students who have increased exposure to these diseases. These groups include:

Students whose primary and secondary schooling were outside the U.S.

Students who are enrolled in any practicum, student teaching or field work involving pre-school-age children, or school-age children or taking place in a hospital or health care setting.

Students unable to obtain acceptable proof of immunizations are encouraged to visit the Student Health Services or county health services to obtain immunizations without cost.

INTERNATIONAL (FOREIGN) STUDENT ADMISSION REQUIREMENTS

The California State University must assess the academic preparation of foreign students. For this purpose, a "foreign student" is anyone who holds a U.S. visa as a student, is an exchange visitor, or is a person in other nonimmigrant classification.

A special application form, a medical certificate of health, and evidence of financial resources adequate to provide for all expenses during the period that students expect to be registered at the University are required of all foreign student applicants.

The California State University uses separate requirements and application filing dates in the admission of foreign students. Verification of the student's English proficiency (see the section on TOEFL Requirement for undergraduate applicants), financial resources, and academic performance are all important considerations in their admission. Academic records from foreign institutions must be on file at least eight weeks before registration for the first term and, if not in English, must be accompanied by certified English translations.

Priority in admission is given to residents of California. There is little likelihood of nonresident applicants, including international students, being admitted to either impacted majors or to those with limited openings.

SECOND BACHELOR'S DEGREE ADMISSION REQUIREMENTS

Students who have a previous bachelor's degree from a regionally accredited institution of higher education may apply to receive a second bachelor's degree. Applicants must have a 2.0 grade point average for prior work and must meet graduation requirements as specified in the Second Bachelor's Degree Requirements section of this catalog.

POSTBACCALAUREATE APPLICATION PROCEDURES

All postbaccalaureate applicants (e.g., those seeking credentials, and those interested in taking courses for personal or professional growth) must file a complete application as described in the admission booklet. Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the $55.00 nonrefundable application fee. Since applicants for postbaccalaureate programs may be limited to the choice of a single campus on each application, redirection to alternative campuses or later changes of campus choice will be minimal. To be assured of initial consideration by more than one campus, it will be necessary for any applicant to submit separate applications (including fees) to each campus. Applications may be obtained from the Graduate Studies Office of any California State University campus in addition to the sources noted for undergraduate applications. Postbaccalaureate applicants are encouraged to submit applications during the initial filing periods: November for fall semester admission and August for spring semester admission.

POSTBACCALAUREATE ADMISSION REQUIREMENTS

Admission Requirements

Postbaccalaureate applicants may apply for a credential objective, or have an interest in taking courses for personal or professional growth. Depending on the objective, The California State University will consider an application for admission in one of four categories:

- Postbaccalaureate Unclassified Standing—Students will qualify for admission as unclassified post-baccalaureate students if they (1) hold an acceptable bachelor's degree from a regionally accredited institution or have equivalent preparation as determined by the campus; (2) have a grade-point average of at least 2.5 in the last 60 semester (90 quarter) units; and (3) are in good standing at the last college they attended. In unusual circumstances, a campus may make exceptions to these criteria.

  If eligible in postbaccalaureate unclassified standing, students may later qualify for:

- Postbaccalaureate Classified Standing—To enroll in a credential program, students must satisfy the additional professional, personal, scholastic, and other standards, including qualifying examinations, as the campus may prescribe; ***or***

- Graduate Conditionally Classified Standing—To enroll in a graduate degree curriculum if in the opinion of appropriate campus authority students can remedy any deficiencies by additional preparation; ***or***

- Graduate Classified Standing—To enroll in a graduate degree curriculum if students satisfactorily meet the professional, personal, scholastic, and other standards, including qualifying examinations, as the campus may prescribe.

Note: CSU, San Marcos will not be offering graduate degree curricula in these initial years of existence, but plans are underway to develop such programs.

Filing Official Transcripts

Postbaccalaureate students must file official transcripts with the Office of Admissions and Records. They must include transcripts from EACH college attended (including extension, correspondence, summer session, or evening courses). Postbaccalaureate students must file transcripts in the Office of Admissions and Records and the College of Education if they plan to enter a credential program.

TOEFL Postbaccalaureate Requirement

All postbaccalaureate applicants, regardless of citizenship, whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 550 on the Test of English as a Foreign Language (TOEFL).

ADMISSION TO TEACHING CREDENTIAL PROGRAMS

Admission to the University as a student does not constitute admission to a teaching credential program. Students who intend to work toward the Multiple Subject Credential at California State University, San Marcos should also apply for admission to the credential program. For details regarding the admission requirements, please refer to the College of Education curricula section in this catalog.

OTHER APPLICANTS

An applicant not admitted under the provisions cited in this catalog should consider enrollment at another appropriate institution. Only under the most unusual circumstances will such applicants be permitted to enroll in the University. Permission is granted only by special action of the University.

EVALUATION OF ACADEMIC RECORDS

TRANSFER CREDITS

Acceptance of Credit

Credit for work completed at accredited institutions, other than course work identified by such institutions as remedial or in other ways as being nontransferable, will be accepted toward the satisfaction of baccalaureate degree and credential requirements at the University within limitations of residence requirements, community college transfer maximums, and in accordance with directives from Title 5 of the California Code of Regulations and Executive Orders.

Credit for Advanced Placement

California State University, San Marcos grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of three (3) or better will be granted six (6) semester units of college credit.

Credit by Examination

California State University, San Marcos grants up to a maximum of thirty (30) semester units of credit to those students who pass examinations that have been approved for credit systemwide. These include the Advanced Placement Examinations, CSU English Equivalency Examination and some CLEP examinations.

Credit for Noncollegiate Instruction

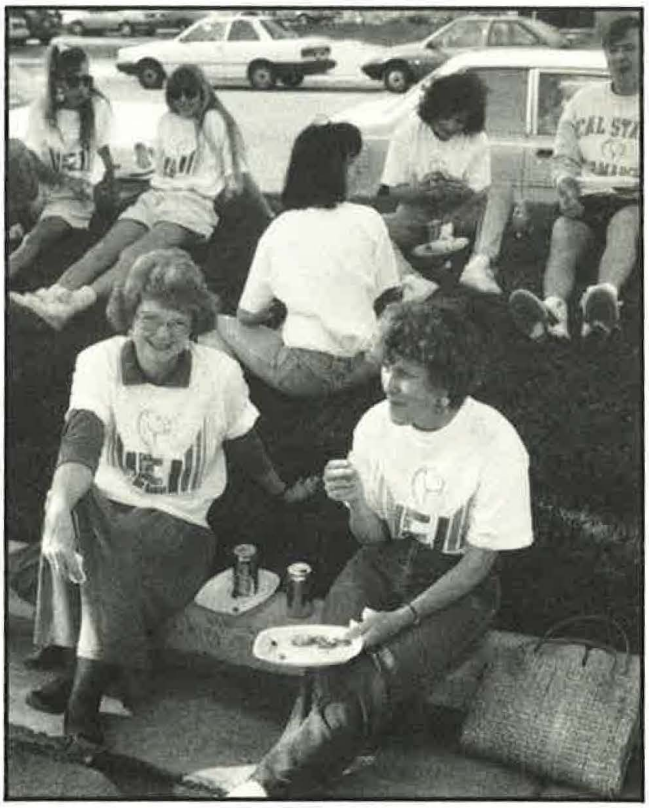
California State University, San Marcos grants undergraduate degree credit for successful completion of noncollegiate instruction, either military or civilian, appropriate to the baccalaureate, that has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The number of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs. Students who have at least one (1) year of active military service may be granted six (6) or twelve (12) units of undergraduate credit. The Office of Admissions and Records shall provide students with specific details about individual military credit after evaluation of the documents submitted for admission purposes.

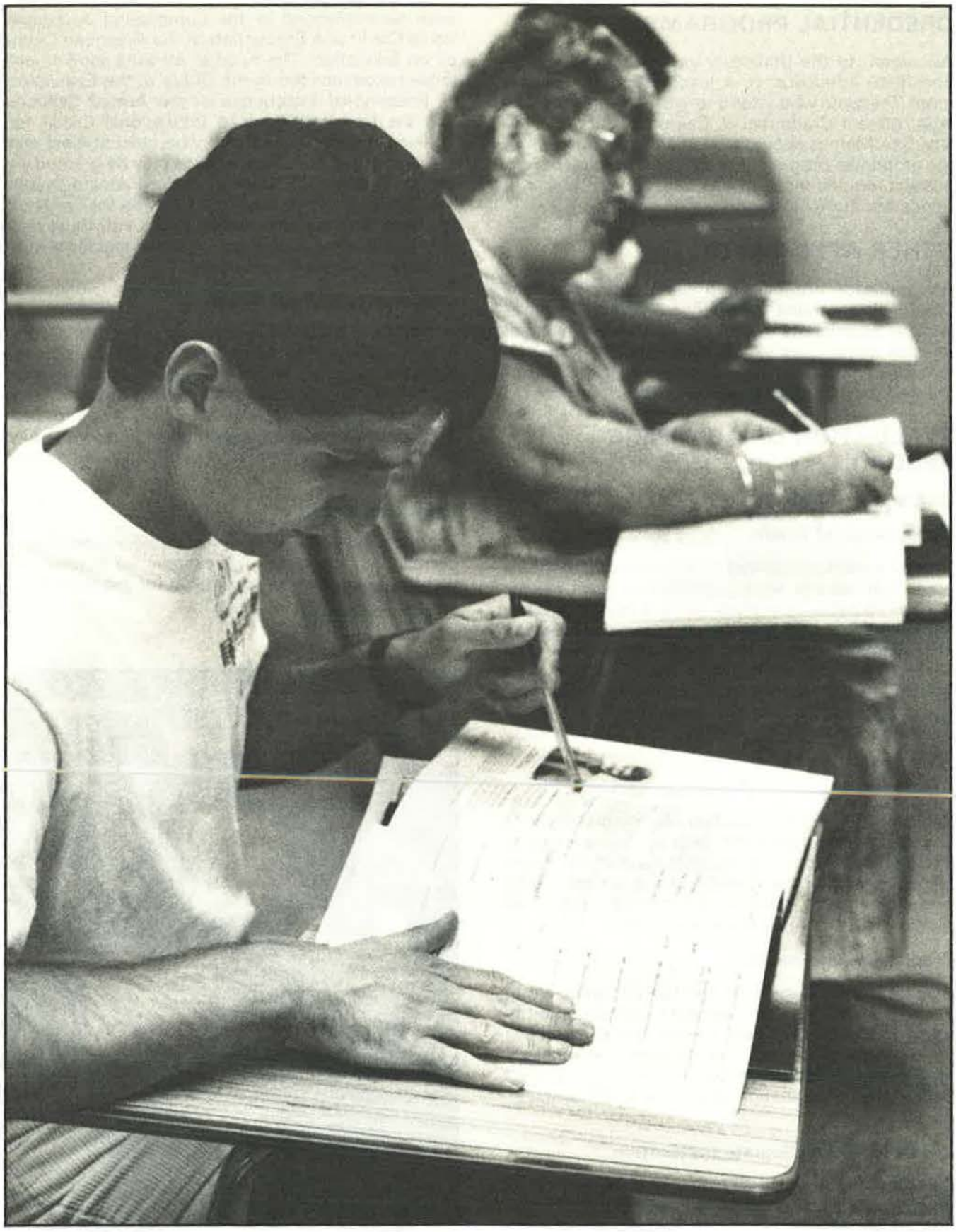
Community College Credit

A maximum of 70 semester units earned in a community college may be applied toward the degree, with the following limitations: (a) no upper-division credit may be allowed for courses taken in a community college; (b) no credit may be allowed for professional courses in education taken in a community college, other than in introduction to education courses.

Extension Credit

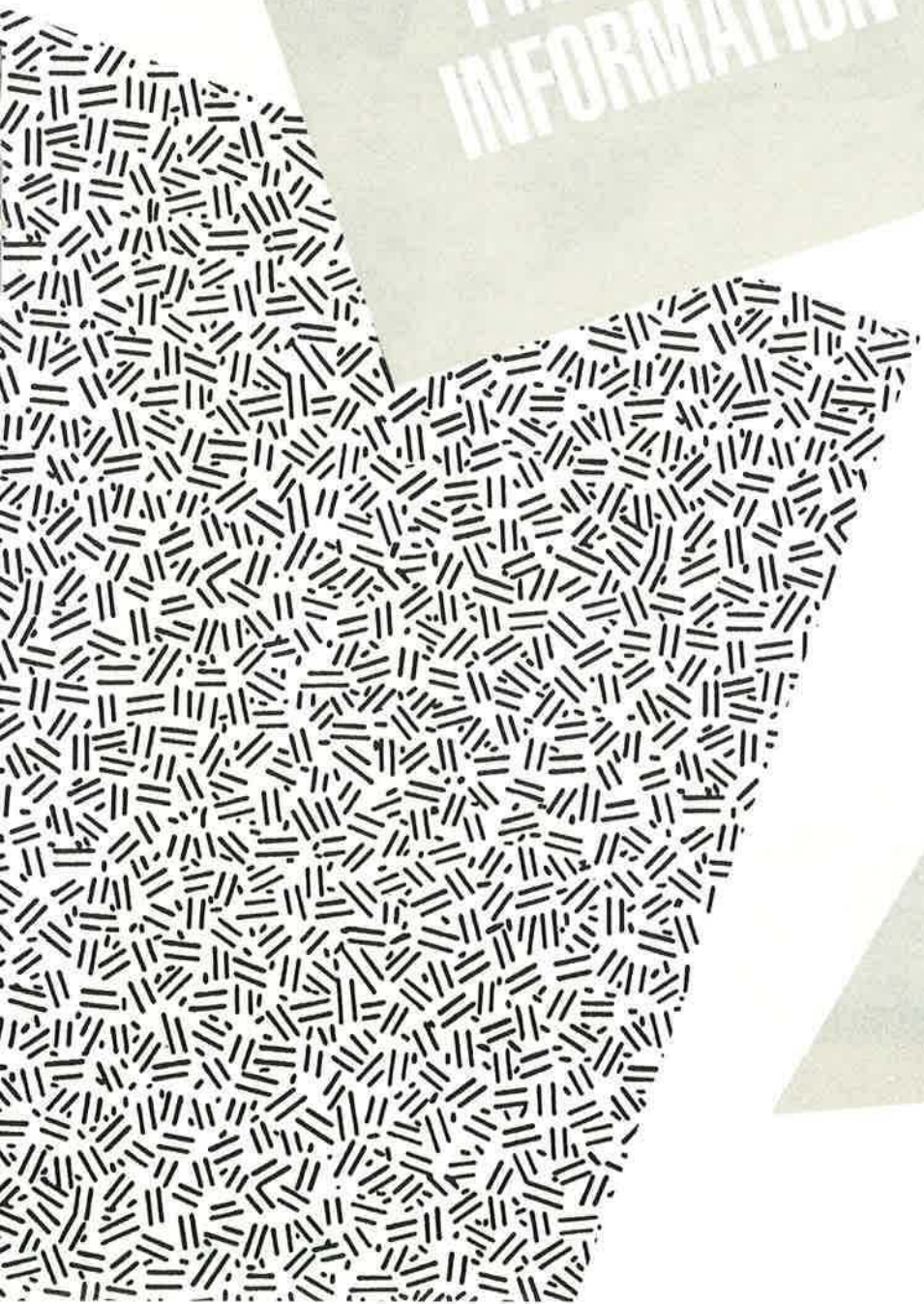
The maximum amount of transferable extension and correspondence credit which may be applied toward the minimum requirements for the bachelor's degree is 24 semester units.





1991-1992

FEES AND OTHER FINANCIAL INFORMATION




HALF PRICE
CALIFORNIA
STATE
UNIVERSITY
SAN MARCOS

SCHEDULE OF FEES 1991-92

Students are required to pay registration fees at time of registration. Tuition is not charged to legal residents of California. Fees are paid at the University Cashier's Office, 800 West Los Vallecitos Blvd., San Marcos, CA 92096.

Application Fee (nonrefundable)

Payable by check or money order at time the application is made	$ 55.00

All Students (Per semester fees)

State University Fee	
0.1 - 6.0 units	$ 270.00
6.1 or more units	468.00
Photo Identification Card (nonrefundable)	5.00
Health Facilities	3.00

Nonresident Students (foreign and domestic)

Tuition, in addition to other fees charged to all students (per unit)	$ 246.00

Special Fees

Teaching Credential Application	$ 60.00
Late Registration	25.00
Diploma	10.00*
Graduation	10.00*
Evaluation of Transcripts for Teaching Credential.	25.00
Replacement of Photo I.D. Card	5.00
Transcripts (single)	4.00
Additional transcripts (ordered simultaneously) up to 10	2.00
Additional transcripts (exceeding 10 and ordered simultaneously)	1.00
Failure to meet required appointment or time limit	10.00
Dishonored Check or Credit Cards	10.00

University Library Fees

Overdue Books/Day Loan (fee per day up to $25 maximum)	$ 1.00
Overdue Books/Hourly-Overnight Loan (fee per hour up to $25 maximum)	1.00
Overdue Books/Week-Month Loan (fee per day up to $25 maximum)	.25
Overdue Books/Semester Loan (accrual of fee per day)	.25
Thesis Binding	10.00

Other fees scheduled are posted at Circulation Desk

All the above fees and expenses are those in effect when this catalog was printed. Fees are subject to change by the Trustees of The California State University without advance notice.

* Payable when Graduation Application is filed at Cashier's Office.

STUDENT HEALTH INSURANCE

Student Health Insurance is available through California State University, San Marcos for students who wish to supplement the services covered by the Health Facilities Fee. Students with "foreign" resident status, as determined for University admission purposes, **must** purchase Student Health Insurance prior to attending classes at California State University, San Marcos. Student Health Insurance forms are available at the Student Information Center.

CREDIT CARDS

Visa and MasterCard bank credit cards may be used for payment of Student Fees. Bank card payments are validated through the bank terminal system prior to acceptance by the University.

REFUND OF FEES

Details concerning fees which may be refunded, the circumstances under which fees may be refunded, and the appropriate procedure to be followed in seeking refunds may be obtained by consulting Section 41803 (parking fees), 41913 (nonresident tuition), 42019 (housing charges), and 41802 (all other fees) of Title 5, California Code of Regulations. Information concerning any aspect of the refund of fees may be obtained from the Cashier's Office.

It is important for a student to act quickly in applying for a refund as deadlines are strictly observed. To be eligible for a refund of registration fees, a student withdrawing completely from the University or dropping from 6.1+ units to 6.0 units or less must submit a refund application. The application must be filed with the Office of Admissions and Records at the time the withdrawal is requested, but not later than the refund deadline. Refund deadlines are listed in the Class Schedule.

If a financial aid recipient withdraws or reduces units, all or a portion of financial aid which was received may need to be repaid. The amount of the required payment will be determined by the date the student officially withdraws. Because federal regulations require half-time enrollment for certain federal aid programs, any student who drops to less than half-time may lose all the financial aid.

Both federal and state financial aid and any outstanding debts to CSU, San Marcos must be repaid before any refund is given to the student.


SERVICES

VETERAN REFUND POLICY

For veteran students who are receiving veteran's benefits, California State University, San Marcos has and maintains a policy for the refund of the unused portion of tuition, fees, and other charges in the event the veteran or eligible person fails to enter the course or withdraws, or is discontinued therefrom at any time prior to completion. This policy provides that the amount charged to the veteran or eligible person for tuition, fees, and other charges for a portion of the course does not exceed the approximate pro rata portion of the total charges for tuition, fees, and other charges that the length of the completed portion of the course bears to its total length, except that $10.00 of the registration fee is not subject to proration.

SCHOLARSHIPS

The following scholarships are available to students attending California State University, San Marcos. To apply for scholarships, students do not have to demonstrate financial need. For further information on these and other scholarship opportunities, contact the Office of Financial Aid, (619) 471-4171.

Alan Pattee

Children of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of law enforcement or fire suppression duties are not charged fees or tuition of any kind at any California State University campus, according to the Alan Pattee Scholarship Act, Education Code Section 68121. Students qualifying for these benefits are known as the Alan Pattee scholars.

Grice, Lund & Tarkington

Established by the Escondido firm of Grice, Lund & Tarkington, this scholarship is available for California State University accountancy students for fees and books for up to $1000 a semester. Students need not apply; all accountancy students will be considered for the scholarship.

Ina Mae Atkinson

This $600 scholarship was established by Mrs. Marie Bradley for undergraduate re-entry women who are enrolled for at least six (6) semester units at California State University, San Marcos or San Diego State University, North County Center.

The Friends of the Library and University Store Scholarship

This award is for $200 and a 10% University Store discount. The scholarship is available to California State University, San Marcos or San Diego State University, North County Center undergraduates who are enrolled in at least six (6) units of study. The recipient will be selected based on a 300–500 word essay responding to the question "In what way have books influenced your life?".

Jennifer Skoog

This book scholarship of $50–$100 per semester is to be awarded annually to a California State University, San Marcos student. The recipient will be selected on the basis of a qualifying statement to be submitted by each applicant.

CSU Scholarship Program for Hispanic Students

This fund is based on academic achievement and potential. It provides a total of $20,000 ($10,000 from the National Hispanic Scholarship Fund and $10,000 from The California State University) for scholarships to enrolled Hispanic students. The following provisions apply:

A. Financial need is not required

B. The scholarships are intended to replace the loan or work component for students who have been awarded financial aid

C. Each scholarship will generally be for $1,000, although it could be less if a student's financial aid award contains less than $1,000 in loan or work

D. The scholarship recipient must meet each of the following requirements:

   1. Have at least one parent who is of Mexican, Central American, South American, Puerto Rican or Caribbean heritage
   2. Have met regular CSU transfer admission requirements
   3. Have eligibility for fee purposes as a California resident
   4. Have enrolled as a full-time student

The Scholarships for Hispanic Students are awarded for the 1991–92 academic year only, but may be awarded in 1992–93 to 1991–92 recipients on a case-by-case basis. For further information contact the Office of Financial Aid.

STUDENT EMERGENCY LOAN

As a result of a generous gift from the Bank of America, an emergency loan is available to enrolled students. Up to $150 may be borrowed by students who have unexpected short term needs. A service charge of $2.00 is assessed and loans are due and payable by the last day of the semester in which the funds were borrowed. No interest is charged for loans which are repaid on time. For further information, contact the Office of Financial Aid at (619) 471-4171.

DEBTS OWED TO THE INSTITUTION

Should a student or former student fail to pay a debt owed to the institution, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (see Title 5, California Code of Regulations, Sections 42380 and 42381). For example, the institution may withhold permission to release official transcripts of grades from any person owing a debt. If a student believes that he or she does not owe all or part of an unpaid obligation, the student should contact the Manager of Fiscal Operations, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4217. The Manager of Fiscal Operations, or another office on campus to which the student may be referred by the manager, will review the pertinent information, including information the student may wish to present, and will advise the student of its conclusions with respect to the debt.

PROCEDURE FOR THE ESTABLISHMENT OR ABOLISHMENT OF A STUDENT BODY FEE

The law governing The California State University provides that a student body fee may be established by student referendum with the approval of two-thirds of those students voting. The same fee can be abolished by a similar two-thirds approval of students voting on a referendum called for by a petition signed by ten percent of the regularly enrolled students (see Education Code, Section 89300). The level of the fee is set by the Chancellor. An increase in the student body fee may be approved by the Chancellor only following a referendum on the fee increase approved by a majority of students voting. Student body fees support a variety of cultural and recreational programs, child care centers, and special student support programs.

During the Spring of 1991, CSU, San Marcos students voted to establish their Associated Student government. The voting included the establishment of an Associated Students membership fee, in accordance with the regulations described above. The results of the election and the recommended fee level were not available for inclusion in this printing of the catalog.

INSTITUTIONAL AND FINANCIAL ASSISTANCE

The following information concerning student financial assistance may be obtained from the Director of Financial Aid, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4171:

1. student financial assistance programs available to students who enroll at California State University, San Marcos;
2. the methods by which such assistance is distributed among recipients who enroll at California State University, San Marcos;
3. the means, including forms, by which application for student financial assistance is made and requirements for accurately preparing such application;
4. the rights and responsibilities of students receiving financial assistance; and
5. the standards the student must maintain to be considered to be making satisfactory progress for the purpose of establishing and maintaining eligibility for financial assistance.

The following information concerning the cost of attending California State University, San Marcos is available from the Office of Financial Aid, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4171:

1. fees and tuition (where applicable);
2. estimated costs of books and supplies;
3. estimates of typical student room and board costs and typical commuting costs; and
4. any additional costs of the program in which the student is enrolled or expresses a specific interest.

Information concerning the refund policy of California State University, San Marcos for the return of unearned tuition and fees or other refundable portions of costs is available from the Cashier's Office, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4220.

Information concerning California State University, San Marcos' policies regarding any refund due to the federal Title IV student assistance programs as required by the regulations is available from the Office of Accounting and Fiscal Operations, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4217.

Information concerning the academic programs of California State University, San Marcos may be obtained from the Director of Curriculum Services, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-4172 and may include:

1. the current degree programs and other educational and training programs;
2. the instructional, laboratory, and other physical plant facilities which relate to the academic program;
3. the faculty and other instructional personnel;

4. data regarding student retention at California State University, San Marcos and, if available, the number and percentage of students completing the program in which the student is enrolled or has expressed interest; and
5. the names of associations, agencies, or governmental bodies which accredit, approve, or license the institution and its programs, and the procedures under which any current or prospective student may obtain or review upon request a copy of the documents describing the institution's accreditation, approval, or licensing.

Information regarding special facilities and services available to handicapped students may be obtained from the Coordinator of Disabled Student Services, 820 West Los Vallecitos Blvd., San Marcos, CA 92096, (619) 471-3561.

DETERMINATION OF RESIDENCE FOR NONRESIDENT TUITION PURPOSES

The Office of Admissions and Records determines the residence status of all new and returning students for nonresident tuition purposes. Responses to the Application for Admission and, if necessary, other evidence furnished by the student are used in making this determination. A student who fails to submit adequate information to establish a right to classification as a California resident will be classified as a nonresident.

The following statement of the rules regarding residency determination for nonresident tuition purposes is not a complete discussion of the law, but a summary of the principal rules and their exceptions. The law governing residence determination for tuition purposes by The California State University is found in Education Code Sections 68000-68090, 68121, 68123, 68124, 89705-89707.5, and 90408 and in Title 5 of the California Code of Regulations, Sections 41900-41912. A copy of the statutes and regulations is available for inspection at the Office of Admissions and Records.

Legal residence may be established by an adult who is physically present in the state and who, at the same time, intends to make California his or her permanent home. Steps must be taken at least one year prior to the residence determination date to show an intent to make California the permanent home with concurrent relinquishment of the prior legal residence. The steps necessary to show California residency intent will vary from case to case. Included among the steps may be registering to vote and voting in elections in California; filing resident California state income tax forms on total income; ownership of residential property or continuous occupancy or renting of an apartment on a lease basis where one's permanent belongings are kept; maintaining active resident memberships in California professional or social organizations; maintaining California vehicle plates and operator's license; maintaining active savings and checking accounts in California banks; maintaining permanent military address and home of record in California if one is in the military service.

The student who is within the state for educational purposes only does not gain the status of resident regardless of the length of the student's stay in California.

In general, the unmarried minor (a person under 18 years of age) derives legal residence from the parent with whom the minor maintains or last maintained his or her place of abode. The residence of a minor cannot be changed by the minor or the minor's guardian, so long as the minor's parents are living.

A married person may establish his or her residence independent of his or her spouse.

An alien may establish his or her residence, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States. An unmarried minor alien derives his or her residence from the parent with whom the minor maintains or last maintained his or her place of abode.

Nonresident students seeking reclassification are required by law to complete a supplemental questionnaire concerning financial independence.

The general rule is that a student must have been a California resident for at least one year immediately preceding the residence determination date in order to qualify as a "resident student" for tuition purposes. A residence determination date is set for each academic term and is the date from which residence is determined for that term. The residence determination dates are:

Semester Term Campuses

Fall	September 20
Spring	January 25

Questions regarding residence determination dates should be directed to the Office of Admissions and Records, which can give students the residence determination date for the term for which they are registering.

There are exceptions from nonresident tuition, including:

1. Persons below the age of 19 whose parents were residents of California but who left the state while the student, who remained, was still a minor. When the minor reaches age 18, the exception continues for one year to enable the student to qualify as a resident student.

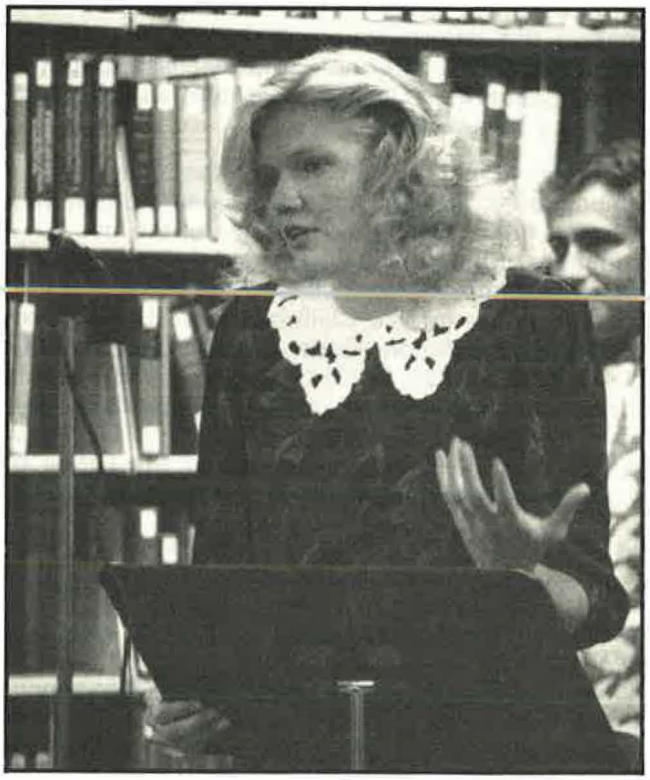
2. Minors who have been present in California with the intent of acquiring residence for more than a year before the residence determination date, and entirely self-supporting for that period of time.
3. Persons below the age of 19 who have lived with and been under the continuous direct care and control of an adult, not a parent, for the two years immediately preceding the residence determination date. Such adult must have been a California resident for the most recent year.
4. Dependent children and spouses of persons in active military service stationed in California on the residence determination date. The exception, once attained, is not affected by retirement or transfer of the military person outside the state.
5. Military personnel in active service stationed in California on the residence determination date for purposes other than education at state-supported institutions of higher education.
6. Dependent children of a California resident who has been a California resident for the most recent year. This exception continues until the student has resided in the state the minimum time necessary to become a resident, so long as continuous residence is maintained at an institution.
7. Graduates of any school located in California that is operated by the United States Bureau of Indian Affairs, including, but not limited to, the Sherman Indian High School. The exception continues so long as continuous attendance is maintained by the student at an institution.
8. Certain credentialed, full-time employees of California school districts.
9. Full-time State University employees and their children and spouses; State employees assigned to work outside the State and their children and spouses. This exception applies only for the minimum time required for the student to obtain California residence and maintain that residence for one year.
10. Certain exchange students.
11. Children of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of law enforcement or fire suppression duties.

Any student, following a final campus decision on his or her residence classification only, may make written appeal to:

The California State University
Office of General Counsel
400 Golden Shore
Long Beach, California 90802-4275

within 120 calendar days of notification of the final decision on campus of the classification. The Office of General Counsel may make a decision on the issue, or it may send the matter back to the campus for further review. Students classified incorrectly as residents or incorrectly granted an exception from nonresident tuition are subject to reclassification as nonresidents and payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student is subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations. Resident students who become nonresidents, and nonresident students qualifying for exceptions whose basis for so qualifying changes, must immediately notify the Office of Admissions and Records. Applications for a change in classification with respect to a previous term are not accepted.

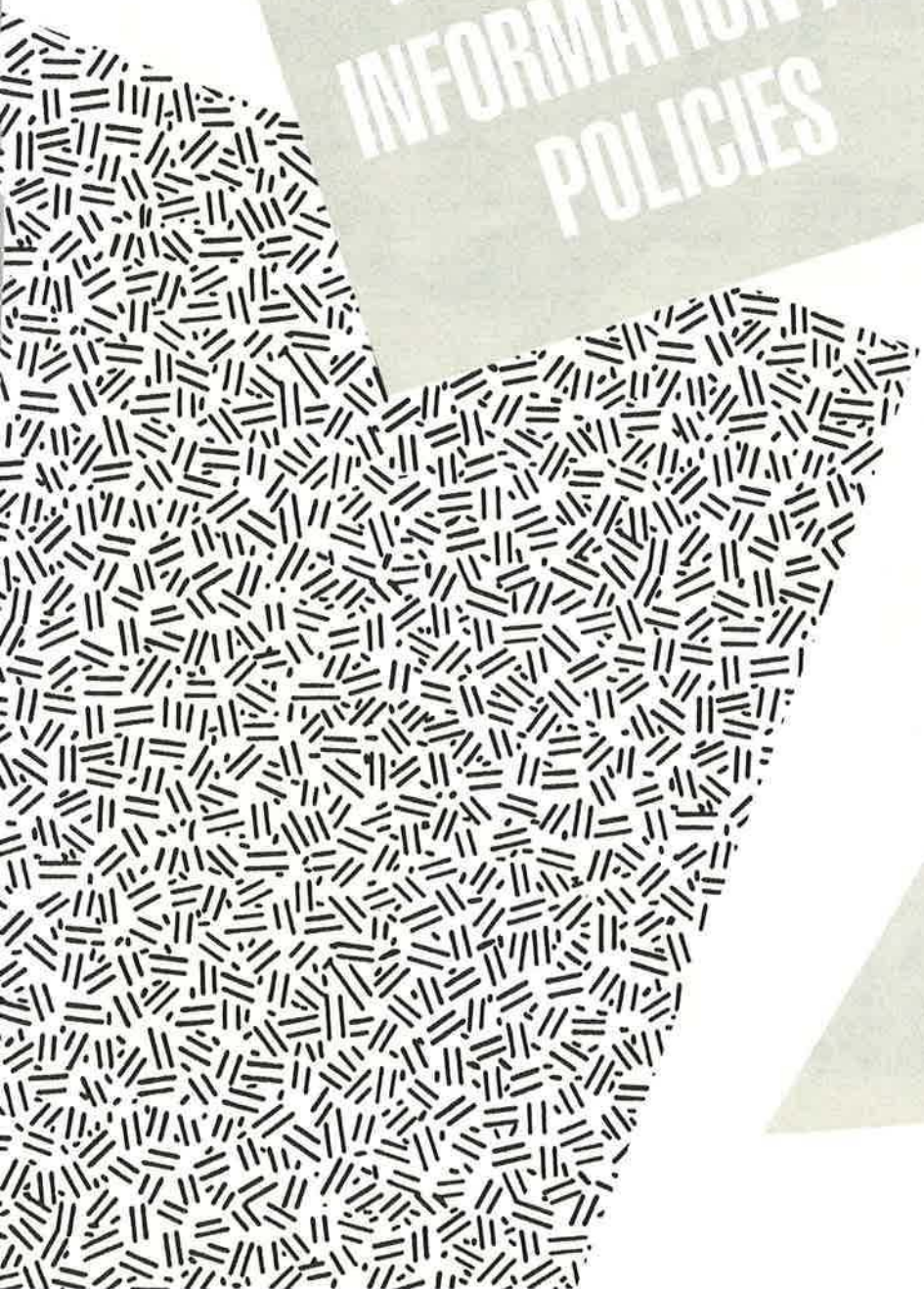
The student is cautioned that this summation of rules regarding residency determination is by no means a complete explanation of their meaning. The student should also note that changes may have been made in the rate of nonresident tuition, in the statutes, and in the regulations between the time this catalog is published and the relevant residence determination date.

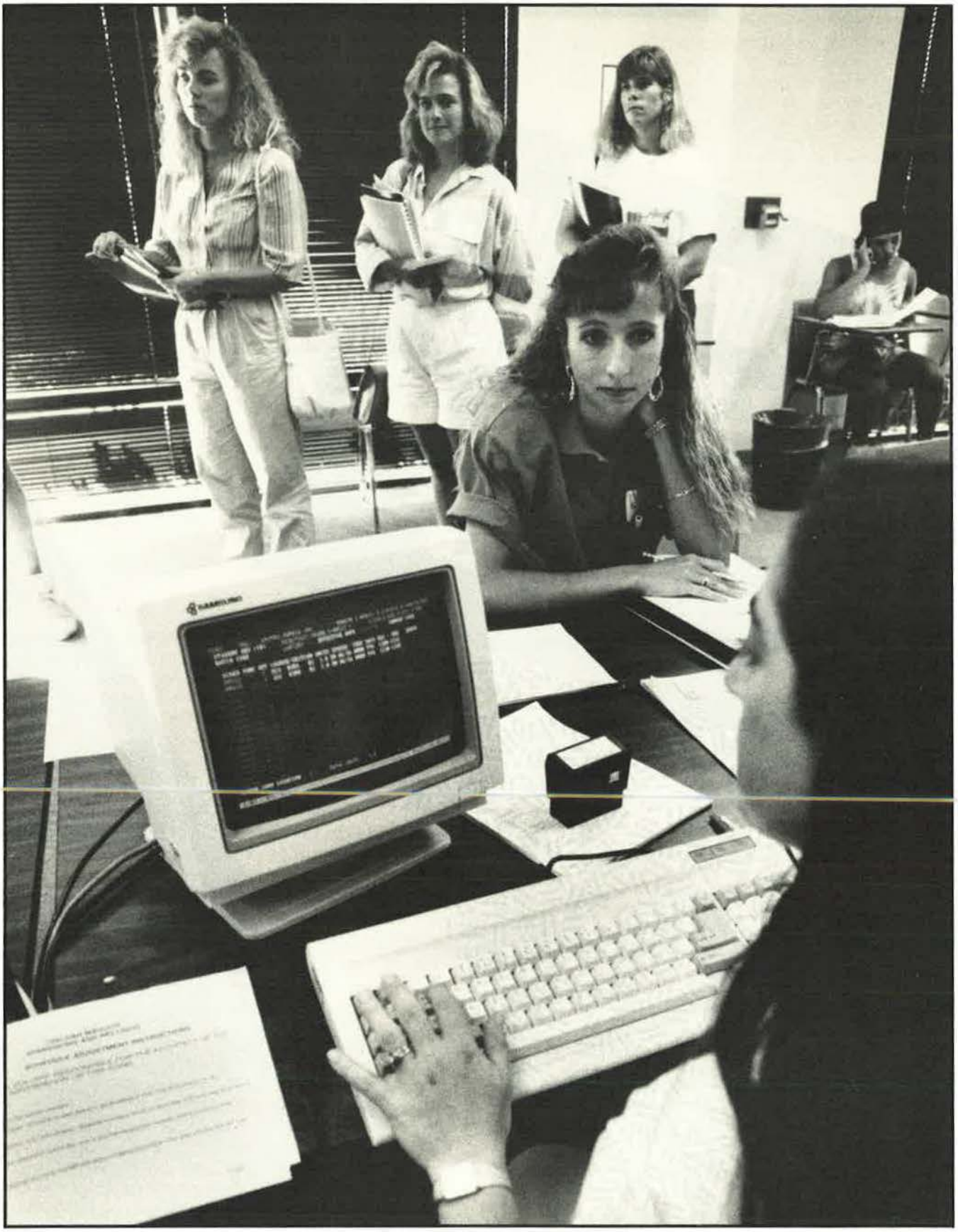


Kasey Wilson, recipient of the Friends of the Library and University Store Scholarship

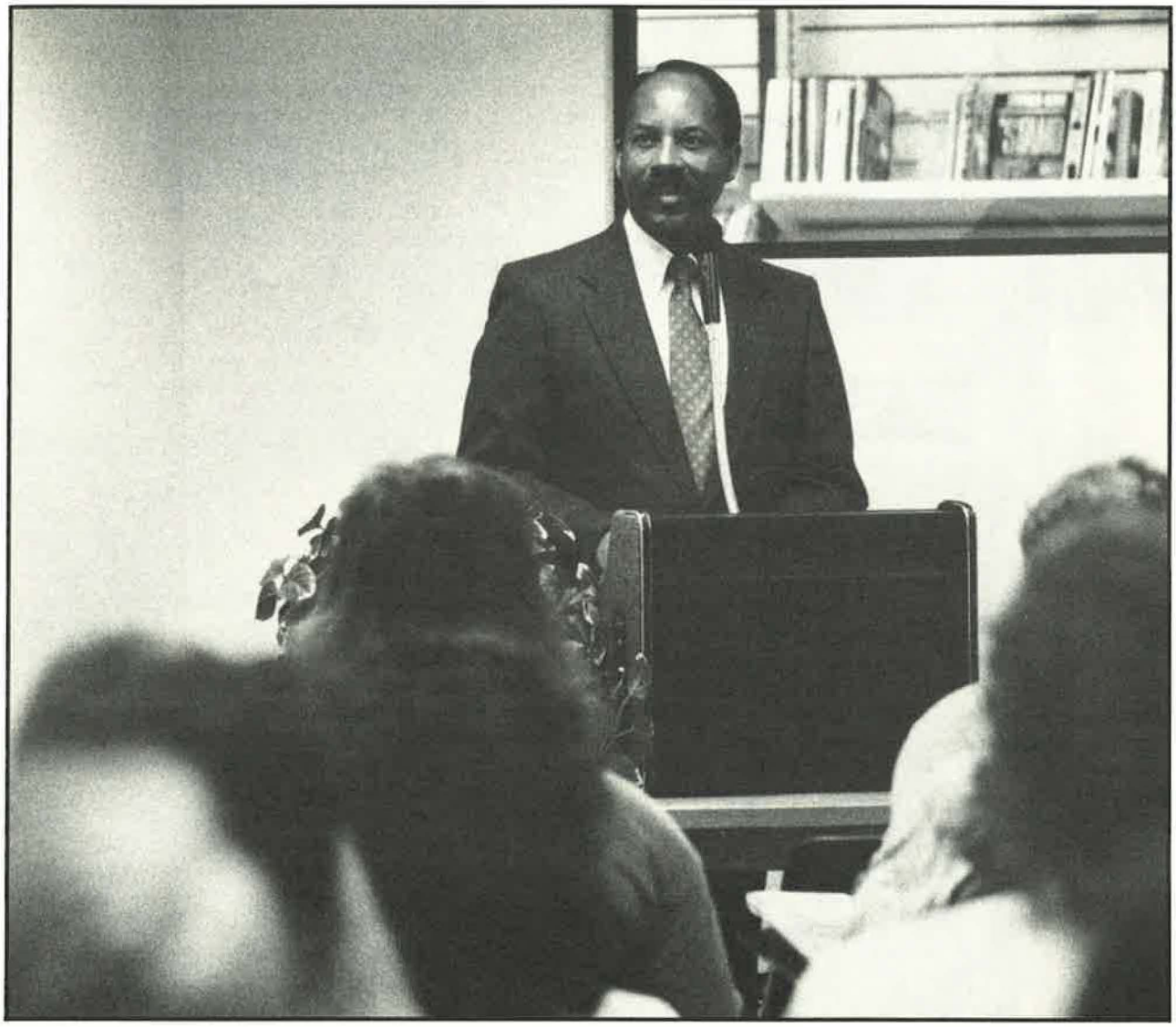
1991-1992

STUDENT SERVICES AND STUDENT INFORMATION AND POLICIES





WELCOME!



As we begin our second year with enrolled students, I want to extend my warmest wishes to the new students who join the faculty, staff and students of CSU, San Marcos in the formation of a new University. As our second generation of students, you join a community committed to teaching and learning, to excellence and quality, to openness and fairness, and to ethnic and cultural pluralism. These values permeate our community and contribute to our understanding of ourselves, our local community and the larger world community of which we are a part. Building a University for the 21st century is our goal and we are delighted that you will play a role in this effort.

Ernest E. Zomalt
Dean of Student Services



STUDENT SERVICES

The Office of the Dean of Student Services provides general information concerning campus policies, procedures and regulations and offers help to students seeking to resolve a campus problem. Students needing assistance with any University matter are invited to begin with this office. Specific policies regarding student grievances, discipline and emergency calls for students are administered by this office.

The Office of the Dean of Student Services will also furnish, upon request, information about the employment of students who graduate from programs or courses of study preparing students for a particular career field. This information includes data concerning the average starting salary and the percentage of previously enrolled students who obtained employment. The information may include data collected from either graduates of the campus or graduates of all campuses in The California State University.

OFFICE OF ADMISSIONS AND RECORDS

The Office of Admissions and Records provides the following services:

- application processing
- change of address, name, major
- change of program including adds, drops, change of grading basis, and withdrawals
- evaluation of transfer credit
- grade reports and transcripts
- graduation processing
- registration
- verification of enrollment

STUDENT RESPONSIBILITY

Students at California State University, San Marcos are subject to the same federal, state and local laws as other citizens. Of particular importance are regulations established by the State of California through its Education Code. In addition, regulations from the Board of Trustees and the local University directly affect student life on campus. Students are responsible for their behavior on campus and are expected to know and comply with all policies and regulations printed in the University catalog and the Student Handbook. Copies of all policies that affect students are available at the Office of the Dean of Student Services.

HOUSING

On-campus housing will be available at CSU, San Marcos upon completion of Phase II of the construction plans for permanent buildings. The first phase of on-campus housing will open in Fall 1995.

While CSU, San Marcos is housed in the business park on West Los Vallecitos Boulevard, students seeking housing accommodations may obtain information about rental listings for rooms, apartments, and houses from the Office of the Dean of Student Services. These listings are not inspected, approved, or supervised by California State University, San Marcos.

Further information about housing in the City of San Marcos can be obtained by contacting the San Marcos Chamber of Commerce, 144 West Mission Road, San Marcos, CA 92069, (619) 744-1270.

UNIVERSITY STORE

Students can purchase or order books and supplies needed for classes from the University Store. The Store is a non-profit operation, with any proceeds being used to further the educational aims of the University.

Services available include:

- catalogs and class schedules
- school supplies, clothing, snacks and sodas
- check cashing up to $10 with purchase and valid I.D.

EDUCATIONAL OPPORTUNITY PROGRAM (EOP)

The Educational Opportunity Program serves low income and underrepresented ethnic students. A number of EOP grants are available to eligible students through the Office of Financial Aid. Moreover, special academic support services, such as priority registration, counseling, academic advising, tutoring and study skills workshops are available to EOP students.

EOP applicants' eligibility for participation is determined after they have applied for admission to California State University, San Marcos. EOP applications may be obtained from the Office of Admissions and Records or the EOP office. Students who transfer from EOPS programs at California Community Colleges will receive priority consideration for admission to the University and access to the EOP at California State University, San Marcos.

VETERANS AND VETERANS' DEPENDENTS

Many veterans, dependents of deceased or disabled veterans, and reservists are eligible for Department of Veterans Affairs' education benefits. Additionally, many dependents of deceased or disabled veterans

are eligible for a complete or partial waiver of registration fees through the California Department of Veterans Affairs.

The programs administered by the Department of Veterans Affairs are:

VEAP—For veterans who entered active duty between January 1, 1977 and June 30, 1985 and who contributed to the program while on active duty.

Montgomery G.I. Bill (Active Duty)—For veterans who entered active duty beginning July 1, 1985 and who participated in the twelfth-month pay reduction while on active duty.

Montgomery G.I. Bill (Selected Reserve Program)—For undergraduates enlisted in the reserves who have made a six-year commitment to the selected reserves.

Dependents—For spouses or children of veterans who died on active duty, whose death was caused by a service-connected disability, or who are rated 100% permanently disabled by the Department of Veterans Affairs.

Vocational Rehabilitation—For veterans with a service-connected disability, or who are rated 100% permanently disabled by the Department of Veterans Affairs.

Students wishing to apply for the programs administered by the Department of Veterans Affairs can apply for their benefits on campus. Veterans who enroll at CSU, San Marcos are encouraged to call or visit the Office of Admissions and Records for instructions prior to signing up for benefits. Dependents of deceased or disabled veterans who wish to apply for the fee waiver program must contact the California Department of Veterans Affairs in Sacramento for an application form. The address is: California Department of Veterans Affairs, P.O. Box 942895, Sacramento, CA 94295-0001.

CAREER PLANNING AND PLACEMENT SERVICES

Career Planning and Placement Services are provided to assist students in preparing resumes, developing job search strategies, and preparing for interviews. Workshops are offered throughout the semester. Further information is available in the Career Planning and Placement Center.

COUNSELING SERVICES

Workshops and support groups are offered throughout the semester addressing stress management, test anxiety, math anxiety, study skills, and developmental concerns. Information and sign-up for groups and workshops are available in the Career Planning and Placement Center. Many materials including video and audio tapes, books, and pamphlets are available for viewing, checkout and review in the library. A schedule of groups and workshops is posted throughout the campus and a weekly schedule is posted on the activity board at the entrance of the student lounge.

DISABLED STUDENT SERVICES

Support services are available to assist students with special needs in the academic setting. Students with mobility limitations, learning disabilities, and/or hearing or visual impairments are encouraged to contact the Coordinator of Disabled Student Services at (619) 471-3561 as soon as possible to arrange for services.

STUDENT HEALTH SERVICES

Student Health Services are available to all matriculated CSUSM students. Clinic hours are staffed by health care providers. In addition, health care information, medical care and referrals are provided by Student Health Services personnel. Hours during the semester are posted. Student Health Services is located across the hall from the University Store.

STUDENT HEALTH INSURANCE

To supplement the Student Health Services, students have the option of purchasing Student Health Insurance through California State University, San Marcos. Students with "foreign" resident status, as determined for University admission purposes, **must** purchase Student Health Insurance prior to attending classes at California State University, San Marcos. Student Health Insurance forms are available at the Student Information Center.

TESTING SERVICES

Information and registration materials on tests such as CBEST, GRE, ELM, LSAT, or other nationally administered tests are available in the Student Information Center.

PARKING

Parking is available in the lot just east of Jerome's on West Los Vallecitos Boulevard. For your safety and convenience, a sidewalk is located adjacent to West Los Vallecitos. Students should **not** use spaces adjacent to the surrounding businesses.

EMERGENCY PROCEDURES

To ensure safety for all, please take a moment to review emergency procedures. They are posted in each classroom as well as throughout the facility. All students should be familiar with these procedures in the event of a disaster, fire or other emergency situations.

PUBLIC SAFETY

Security guards patrol the facility and also provide an escort service upon request. Anyone requiring an escort should go to the Student Lounge following class.

STUDENT LOUNGE

A lounge is available for student use and includes the following:

- a microwave oven
- tables and chairs for eating and relaxing
- copies of the student newspaper
- bulletin board with information on housing, jobs, scholarships, workshops, services and the like.

STUDENT FINANCIAL AID

The CSU, San Marcos Office of Financial Aid administers several programs which are designed to assist students whose financial resources are insufficient to meet their educational costs, including fees, books, transportation and living expenses.

Financial assistance programs consist of gift aid (grants and scholarships), loans, and employment opportunities. The funds for these programs come from the State of California, the federal government and private sources.

Application Procedures. In order to apply for financial aid for the 1991–92 academic year, students should complete a Student Aid Application for California (SAAC) between January 1–March 2, 1991. A SAAC may be obtained from any California college financial aid office or high school counseling office and may be used to apply for California and federal financial aid.

In addition to filing the SAAC by March 2, financial aid applicants should submit supporting documents to the CSU, San Marcos Office of Financial Aid no later than May 1, 1991. Required supporting documents vary from student to student and will be requested by the Office of Financial Aid following receipt of the SAAC. **Applicants who do not meet the priority filing dates will be awarded aid as funds are available.**

All California residents who are applying for undergraduate programs, and who file a SAAC by the Cal Grant deadline of March 2, are expected to apply for Cal Grants.

Eligibility. Most financial aid is based on financial need, which is the difference between the full cost of attending CSU, San Marcos, and an expected contribution from you, your spouse if you are married, and your parents, if you are considered a dependent student. The expected family contribution is determined by standards which are set by the federal government and the State of California.

Students must be United States citizens or "eligible non-citizens" in order to be considered for federal aid. Students holding "F" visas or other non-resident visas are not eligible for state or federal financial aid funds. Undocumented aliens who have established California residency for CSU admission purposes may be considered for state aid programs.

Federal and state regulations require the Office of Financial Aid to ensure that financial aid recipients are making satisfactory progress toward their degree as well as remaining in good academic standing. The CSU, San Marcos Financial Aid Satisfactory Academic Progress Policy Statement is available from the Office of Financial Aid.

For additional information, please write the Office of Financial Aid, 820 West Los Vallecitos Boulevard, San Marcos, CA 92096, for a financial aid brochure, or telephone (619) 471-4171.



Multiple Subject Credential Student Orientation



NONDISCRIMINATION POLICY

Sex

The California State University does not discriminate on the basis of sex in the educational programs or activities it conducts. Title IX of the Education Amendments of 1972, as amended, and the administrative regulations adopted thereunder prohibit discrimination on the basis of sex in education programs and activities operated by California State University, San Marcos. Such programs and activities include admission of students and employment. Inquiries concerning the application of Title IX to programs and activities of California State University, San Marcos, may be referred to the Office of Student Services, the campus officer assigned administrative responsibility of reviewing such matters, or to the Regional Director of the Office of Civil Rights, Region 9, 221 Main Street, 10th Floor, San Francisco, CA 94105.

Handicap

The California State University does not discriminate on the basis of handicap in admission or access to, or treatment or employment in, its programs and activities. Section 504 of the Rehabilitation Act of 1973, as amended, and the regulations adopted thereunder prohibit such discrimination. The Dean of Student Services has been designated to coordinate the efforts of California State University, San Marcos to comply with the Act in its implementing regulations. Inquiries concerning compliance may be addressed to Dr. Ernest E. Zomalt, Dean of Student Services, California State University, San Marcos, 820 West Los Vallecitos Boulevard, San Marcos, CA 92096.

Race, Color, or National Origin

The California State University complies with the requirements of Title VI of the Civil Rights Act of 1964 and the regulations adopted thereunder. No person shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program of The California State University.

Federal Drug-Free Schools and Communities Act of 1989

California State University, San Marcos is committed to achieving and maintaining a campus community that fosters personal and institutional excellence and strives to provide conditions under which the work of the University can go forward freely, with the highest standard of quality and integrity. In keeping with this commitment, all faculty, staff and students are urged to ensure that the campus is free of the problems of substance abuse and dependency. For information regarding the Federal Drug-Free Schools and Communities Act of 1989, please contact the Office of the Dean of Student Services.

PRIVACY RIGHTS OF STUDENTS IN EDUCATION RECORDS

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern access to student records maintained by the campus, and the release of such records. In brief, the law provides that the campus must provide students access to records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade as determined by the instructor. The law generally requires that written consent of the student be received before releasing personally identifiable data about the student from records to other than a specified list of exceptions. The institution has adopted a set of policies and procedures concerning implementation of the statutes and the regulations on the campus. Copies of these policies and procedures may be obtained at the Office of the Dean of Student Services. Among the types of information included in the campus statement of policies and procedures are: 1) the types of student records and the information contained therein; 2) the official responsible for the maintenance of each type of record; 3) the location of access lists which indicate persons requesting or receiving information from the record; 4) policies for reviewing and expunging records; 5) the access rights of students; 6) the procedures for challenging the content of student records; 7) the cost which will be charged for reproducing copies of records; and 8) the right of the student to file a complaint with the Department of Education. An office and review board have been established by the Department to investigate and adjudicate violations and complaints. The office designated for this purpose is: The Family Educational Rights and Privacy Act Office (FERPA), U.S. Department of Education, 330 "C" Street, Room 4511, Washington, D.C. 20202.

The campus is authorized under the Act to release "directory information" concerning students. "Directory information" includes the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent pre-

vious educational agency or institution attended by the student. The above designated information is subject to release by the campus at any time unless the campus has received prior written notice from the student specifying information which the student requests not to be released. Written objections should be sent to the Office of the Dean of Student Services, 820 West Los Vallecitos Boulevard, San Marcos, CA 92096, (619) 471-4105.

The campus is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons are those who have responsibilities in connection with the campus' academic, administrative or service functions and who have reason for using student records connected with their campus or other related academic responsibilities. Disclosure may also be made to other persons or organizations under certain conditions (e.g., as part of accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; to other institutions to which the student is transferring).

STUDENT DISCIPLINE

Inappropriate conduct by students or by applicants for admission is subject to discipline as provided in Sections 41301 through 41304 of Title 5, California Code of Regulations. These sections are as follows:

Article 1.1, Title 5, California Code of Regulations.

41301. Expulsion, Suspension and Probation of Students. Following procedures consonant with due process established pursuant to Section 41304, any student of a campus may be expelled, suspended, placed on probation or given a lesser sanction for one or more of the following causes which must be campus related:

(a) Cheating or plagiarism in connection with an academic program at a campus.

(b) Forgery, alteration or misuse of campus documents, records, or identification or knowingly furnishing false information to campus officials.

(c) Misrepresentation of oneself or of an organization to be an agent of a campus.

(d) Obstruction or disruption, on or off campus property, of the campus educational process, administrative process, or other campus function.

(e) Physical abuse on or off campus property of the person or property of any member of the campus community or of membership of his or her family or the threat of such physical abuse.

(f) Theft of, or non-accidental damage to, campus property, or property in the possession of, or owned by, a member of the campus community.

(g) Unauthorized entry into, unauthorized use of, or misuse of campus property.

(h) On campus property, the sale or knowing possession of dangerous drugs, restricted dangerous drugs, or narcotics as those terms are used in California statutes, except when lawfully prescribed pursuant to medical or dental care, or when lawfully permitted for the purpose of research, instruction or analysis.

(i) Knowing possession or use of explosives, dangerous chemicals or deadly weapons on campus property or at a campus function without prior authorization of the campus President.

(j) Engaging in lewd, indecent, or obscene behavior on campus property or at a campus function.

(k) Abusive behavior directed toward, or hazing of, a member of the campus community.

(l) Violation of any order of a campus President, notice of which had been given prior to such violation and during the academic term in which the violation occurs, either by publication in the campus newspaper, or by posting on an official bulletin board designated for this purpose, and which order is not inconsistent with any of the other provisions of this Section.

(m) Soliciting or assisting another to do any act which would subject a student to expulsion, suspension or probation pursuant to this Section.

(n) For purposes of this Article, the following terms are defined:
  (1) The term "member of the campus community" is defined as meaning California State University Trustees, academic, nonacademic and administrative personnel, students, and other persons while such other persons are on campus property or at a campus function.
  (2) The term "campus property" includes:
    (a) real or personal property in the possession of, or under the control of, the Board of Trustees of The California State University, and
    (b) all campus feeding, retail, or residence facilities whether operated by a campus or by a campus auxiliary organization.
  (3) The term "deadly weapons" includes any instrument or weapon of the kind commonly known as a blackjack, slingshot, billy, sandclub, sandbag, metal knuckles, any dirk, dagger, switchblade knife, pistol,

revolver, or any other firearm, any knife having a blade longer than five inches, any razor with an unguarded blade, and any metal pipe or bar used or intended to be used as a club.

(4) The term "behavior" includes conduct and expression.

(5) The term "hazing" means any method of initiation into a student organization or any pastime or amusement engaged in with regard to such an organization which cause, or is likely to cause, bodily danger, or physical or emotional harm, to any member of the campus community; but the term "hazing" does not include customary athletic events or other similar contests or competitions.

(o) This Section is not adopted pursuant to Education Code Section 89031.

(p) Notwithstanding any amendment or repeal pursuant to the resolution by which any provision of this Article is amended, all acts and omissions occurring prior to that effective date shall be subject to the provisions of this article as in effect immediately prior to such effective date.

41302. Disposition of Fees: Campus Emergency; Interim Suspension. The President of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended, or expelled shall be refunded if the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended; no additional tuition or fees shall be required of the student on account of the suspension.

During periods of campus emergency, as determined by the President of the individual campus, the President may, after consultation with the Chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The President may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the period of interim suspension, the student shall not, without prior written permission of the President or designated representative, enter any campus of The California State University other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

41303. Conduct by Applicants for Admission. Notwithstanding any provision in this Chapter 1 to the contrary, admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were he enrolled as a student, would be the basis for disciplinary proceedings pursuant to Sections 41301 or 41302. Admission or readmission may be qualified or denied to any person who, while a student, commits acts which are subject to disciplinary action pursuant to Section 41301 or Section 41302. Qualified admission or denial of admission in such cases shall be determined under procedures adopted pursuant to Section 41304.

41304. Student Disciplinary Procedures for The California State University. The Chancellor shall prescribe, and may from time to time revise, a code of student disciplinary procedures for The California State University. Subject to other applicable law, this code shall provide for determinations of fact and sanctions to be applied for conduct which is a ground of discipline under Sections 41301 or 41302, and for qualified admission or denial of admission under Section 41303; the authority of the campus President in such matters; conduct related determinations on financial aid eligibility and termination; alternative kinds of proceedings, including proceedings conducted by a Hearing Officer; time limitations; notice; conduct of hearings, including provisions governing evidence, a record, and review; and such other related matters as may be appropriate. The Chancellor shall report to the Board actions taken under this section.



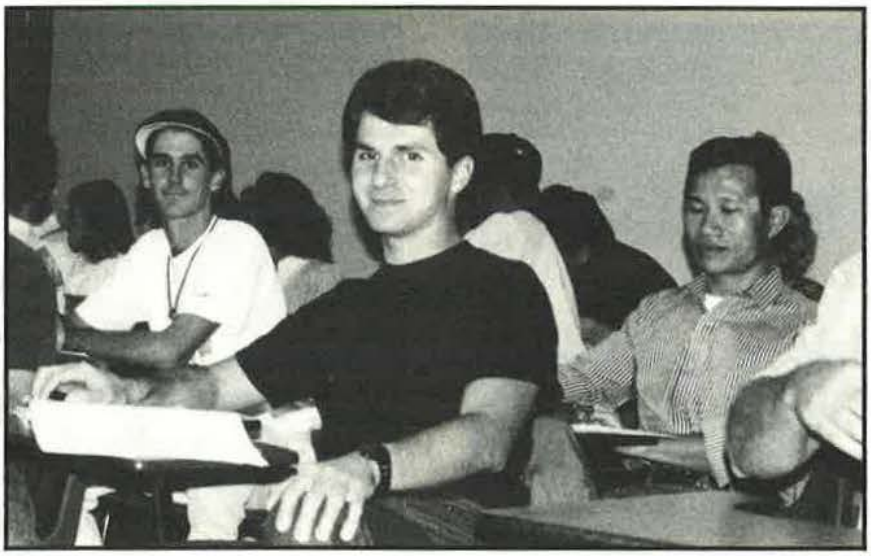
CSUSM Andean Ensemble Premiere Concert





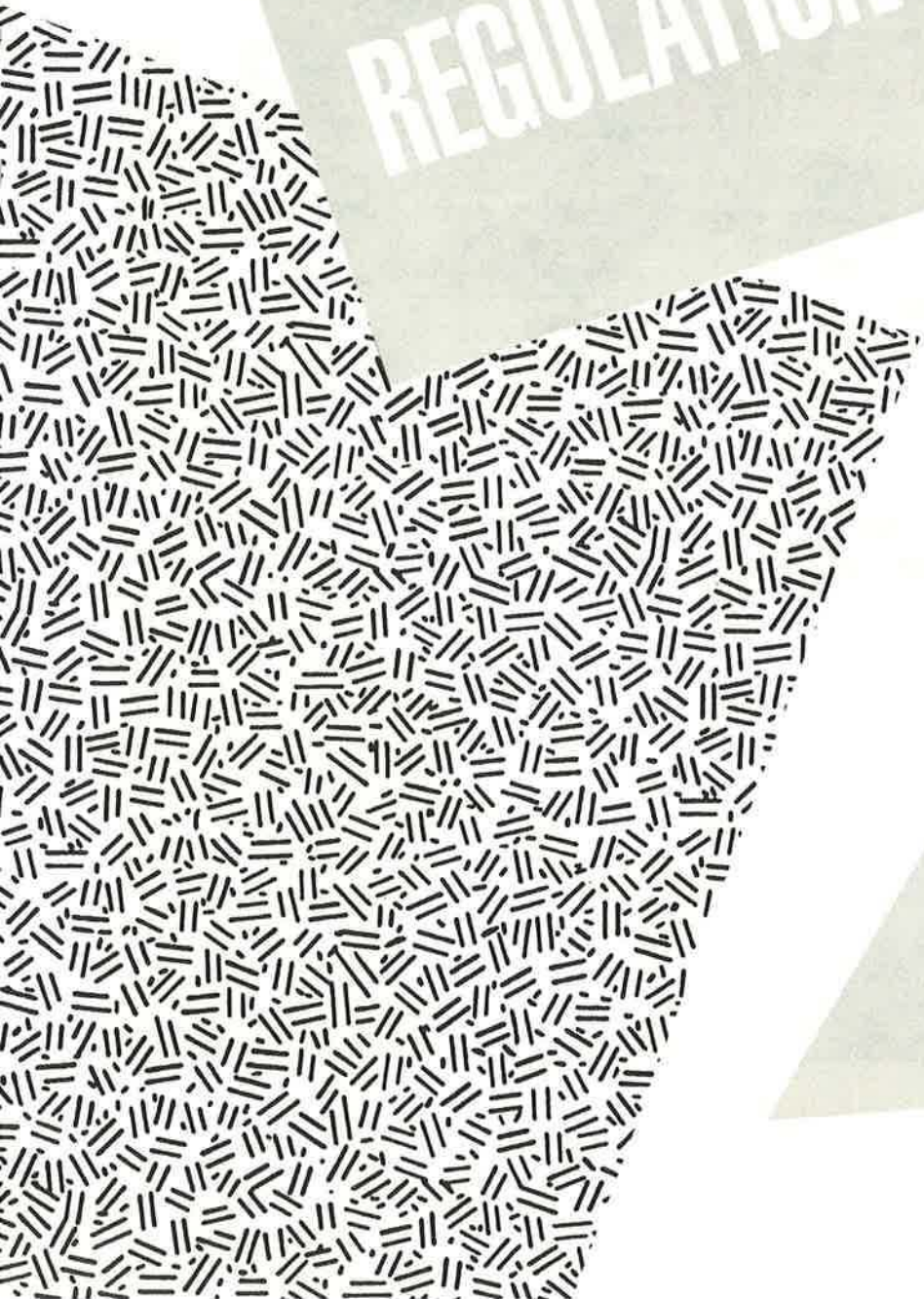






1991-1992

ACADEMIC REGULATIONS





ACADEMIC REGULATIONS

All students who register at California State University, San Marcos for either the fall or spring semester must first be admitted to the University by the Office of Admissions and Records.

Students are held individually responsible for meeting the requirements outlined in this catalog. The requirements listed in the "Graduation Requirements" section of the catalog are those requirements which the University will make every effort to adhere to for students subject to this catalog. All other parts of the catalog are subject to change from year to year as University rules, policies, and curricula change. Failure to keep informed of such changes will not exempt students from whatever penalties they may incur.

Academic Advising

The University provides assistance in academic advising. Advising for a major, minor, or teaching credential is done by individual advisors in the respective disciplines. The adviser will meet with the student prior to each semester before registering for classes. In general, the student's adviser will be a specialist in the area of the student's major field of interest.

In addition, the Division of Student Services provides specialized counseling in vocational and personal matters, student orientation programs and information, and general problem solving.

Concurrent Enrollment

California State University, San Marcos provides opportunities for students to enroll concurrently at other colleges and universities. This privilege has some limitations, and students interested in concurrent enrollment should keep in mind that their study load in the proposed combined program may not exceed the maximum number of units authorized by the University for each term. Interested students should consult with their academic adviser before initiating concurrent enrollment procedures.

Enrollment Within the CSU System

Students enrolled at CSU, San Marcos may enroll concurrently at other CSU campuses. Such enrollment is at the discretion of authorities from both campuses. Applicants should satisfy the following requirements: (a) have completed at least one semester at CSU, San Marcos as a matriculated student and earned at least twelve (12) semester units and (b) maintained a grade point average of 2.0 (C) in all work completed at the University and be in good academic standing.

Enrollment Outside the CSU System

Students enrolled at CSU, San Marcos may enroll concurrently for additional courses at another institution outside the CSU system with advance approval from the student's adviser. However, the study load in the proposed combined program of study may not exceed the maximum number of units authorized at this university.

Further information regarding concurrent enrollment may be obtained from the Office of Admissions and Records.

Visitor Enrollment

California State University, San Marcos encourages its students to experience a wide variety of teaching and learning environments. As a part of this emphasis, the University provides opportunities for students to visit other campuses in the CSU system. While on visitor status, San Marcos students are fully enrolled at the host campus. Since programs and courses may vary within the system, students are encouraged to review their proposed course of study with their academic adviser.

Declaring (or Changing) a Major

Work in a major field of study is designed to afford students the opportunity to engage in intensive study of a discipline.

Students may declare a major at the time of admission, or students may enter the University with an "undeclared" major. Students entering the University as "undeclared" or those changing their majors should process a change of major form through the Office of Admissions and Records.

DEFINITION OF TERMS

Student Course Load

Students who carry 12 units or more in a fall or spring semester are classified as full-time students. Those who carry fewer than 12 units are part-time students.

Undergraduate international students on non-immigrant visas must carry and complete a minimum

of 12 units per semester unless a reduced load is authorized by the University. Reduced unit loads may be granted for substantial academic or compelling personal reasons beyond the control of the student. Failure to secure such authorization results in violation of student status under Immigration and Naturalization Service (INS) and State Department regulations, warranting discontinuance of enrollment.

Unit of Credit

A credit or semester unit represents one hour of class work per week for one semester. It is assumed that two hours of preparation are required for each hour in class. Three hours of laboratory per week are the equivalent of one unit.

Maximum Number of Units

A student whose academic record justifies a study program in excess of 19 units may be allowed to enroll for extra units. Undergraduate students who request to enroll for more than 19 units must obtain the approval of their academic adviser. Undeclared majors must receive the approval of the Dean of Student Services. If such requests are denied, appeals may be made to the appropriate College Dean. In general, only students with superior academic records and a demonstrated need for such excess enrollment will be allowed to enroll beyond the nineteen (19) unit limit. Appropriate request forms may be obtained from the Office of Admissions and Records.

Continuous Attendance

Continuous Attendance/Enrollment, as it refers to attendance by a student at any campus or campuses of The California State University, means enrollment in at least one course for at least one regular semester in each calendar year.

Grade Point Average

The Grade Point Average (GPA) is a measure of academic scholarship and performance. The grade-point average is computed by multiplying the number of units earned by the quality-point value of the grade assigned. The total quality points are then divided by the number of units attempted, subject to application of the Repeat of Undergraduate Courses policy described in this catalog.

GRADING SYSTEM

Every student of the University will have all coursework evaluated and reported by the faculty using letter grades or administrative symbols.

The University uses the traditional grading options as described in the California Code of Regulations, and will adhere to the following policies:

Plus/Minus Grading

Plus/Minus grading is not mandatory but is used at the discretion of the individual instructor. The grades of A+, F+ and F- are not issued. The following decimal values of plus/minus grades are used in the calculation of grade point averages:

A	=	4.0	C	=	2.0
A–	=	3.7	C–	=	1.7
B+	=	3.3	D+	=	1.3
B	=	3.0	D	=	1.0
B–	=	2.7	D–	=	0.7
C+	=	2.3	F	=	0

Letter grades are defined as:

A (Excellent): Performance of the student has been at the highest level, showing sustained excellence in meeting all course requirements and exhibiting an unusual degree of intellectual initiative.

B (Good): Performance of the student has been at a high level, showing consistent and effective achievement in meeting course requirements.

C (Satisfactory): Performance of the student has been at an adequate level, meeting the basic requirements of the course.

D (Passing): Performance of the student has been less than adequate, meeting only the minimum course requirements.

F (Failing): Performance of the student has been such that minimal course requirements have not been met.

Nontraditional Grading

All courses are graded on an A through F basis, as described above, except those specifically designated as follows:

Credit/No Credit. Credit is awarded for grades equivalent to C or better. No credit is awarded for grades equivalent to C- or less.

Courses graded Credit/No Credit, whether taken at this or at another institution, may not be used to satisfy requirements for the major, except specific courses designated by the discipline to be graded Credit/No Credit (refer to the curricular section of this catalog). No General Education courses taken at CSU, San Marcos may be taken with a Credit/No Credit option. A maximum of nine (9) semester units may be taken with a Credit/No Credit option toward any undergraduate degree.

When, because of circumstances, a student does not complete a particular course, or withdraws, the following administrative symbols may be assigned by the faculty:

I ..... Incomplete Authorized

RD ..... Report Delayed

SP ..... Satisfactory Progress

U ..... Unauthorized Incomplete

W ..... Withdrawal

I (Incomplete): An Incomplete signifies that a portion of required coursework has not been completed and evaluated in the prescribed time period due to unforeseen, but fully justified, reasons and that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the instructor and to reach agreement on the means by which the remaining course requirements will be satisfied. A final grade is assigned when the work agreed upon has been completed and evaluated.

An Incomplete must be made up within one calendar year immediately following the end of the term in which it was assigned. This limitation prevails whether or not the student maintains continuous enrollment (please see definition under Academic Regulations section). Failure to complete the assigned work will result in an Incomplete being changed to an F.

RD (Report Delayed): The RD symbol is used in those cases where a delay in the reporting of a grade is due to circumstances beyond the control of the student. The symbol is assigned by the Office of Admissions and Records and is replaced by a more appropriate grading symbol as soon as possible. An RD is not included in the calculation of grade-point averages.

SP (Satisfactory Progress): The symbol indicates that work in progress has been evaluated as satisfactory to date but that the assignment of a precise grade must await the completion of additional coursework. All undergraduate work is to be completed within the time specified but not to exceed one calendar year of the term of first enrollment, and a final grade will be assigned to all segments of the course on the basis of overall quality.

U (Unauthorized Incomplete): The symbol U indicates that an enrolled student did not withdraw from the course but failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade-point average, this symbol is equivalent to an F.

W (Withdrawal): This symbol indicates that the student dropped the course after the second week of instruction with approval of the instructor and appropriate campus officials. It carries no connotation of quality of performance and is not used in calculating grade-point average.

Auditing Classes

The symbol AU (Audit) is used by the Records office in those instances where a student has enrolled in a course either for information or other purpose not related to the student's formal academic objective. Enrollment as an auditor is subject to the permission of the instructor, provided that enrollment in any course as an auditor shall be permitted only after students otherwise eligible to enroll in the course on a credit basis have had an opportunity to do so. Auditors are subject to the same fees as credit students, and regular class attendance is expected. Once enrolled as an auditor, a student may not change to credit status unless such a change is requested prior to the last day to add classes. A student who is enrolled for credit may not change to audit after the third week of instruction. An auditor is not permitted to take examinations in the course; therefore, there is no basis for evaluation or a formal grade.

STUDENT CLASSIFICATION

Students who have complied with all the admissions requirements and who have received an official notice of admission will be admitted to the University under one of the following classifications.

CSU, San Marcos will admit freshman and sophomore students beginning in academic year 1995-96.

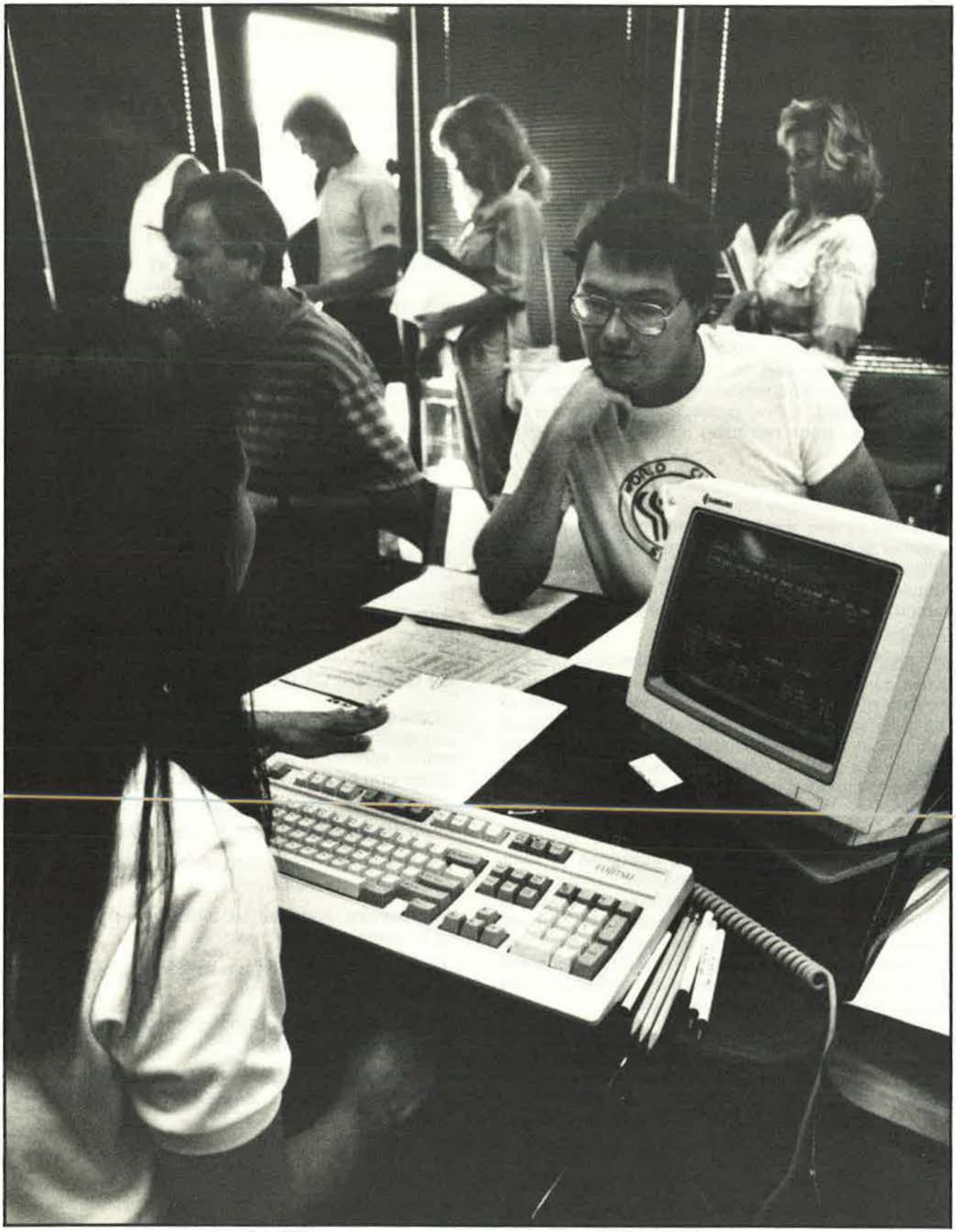
Freshman. A student who has earned a total of 0–29 semester units inclusive.

Sophomore. A student who has earned a total of 30 to 59 semester units inclusive.

Junior. A student who has earned a total of 60 to 89 semester units inclusive.

Senior. A student who has earned a total of 90 or more semester units.

Graduate/Postbaccalaureate. A student who has earned a bachelor's degree from an accredited institution.



COURSE INFORMATION

Course Descriptions

The course descriptions found in the Curricula section of this catalog briefly describe the content or subject matter to be covered and provide additional information such as units of credit (number in parenthesis after the course title), level of instruction (see course numbering system), and prerequisites and/or corequisites (courses in which the student must enroll simultaneously).

Course Expectations

Required course expectations will be communicated in the course syllabus, which will be provided to the student and will be placed on file in the instructor's discipline office by the second week of classes.

Each syllabus will also contain a statement on the instructor's regular scheduled office hours.

Repeat of Undergraduate Courses

The following policy, applicable only to undergraduate-level courses at California State University, San Marcos, will be followed when allowing students to repeat courses:

1. A course taken at California State University, San Marcos in which a grade of D— (D minus) or better is received, may be repeated up to **one** time at this campus. A course in which a failing grade is received may be repeated until a passing grade is received.
2. When a course is repeated, the grade received from the final taking is the grade which is used in determination of GPA. When a course is repeated more than one time (possible only when multiple failing grades are received), a passing grade will replace one of the failing grades in GPA determination.
3. The Office of Admissions and Records will maintain records of all courses (with grades) taken by the student. These records will appear on the student's transcripts.
4. A maximum of **five** different courses may be repeated at California State University, San Marcos. If a course with variable topics is repeated to discount a previous grade, the same topic (identified by specific course number **and** suffix) must be repeated.
5. Transfer courses are not counted in the repetition limit. If a student has taken courses at other institutions, the policies of those institutions will be used in computation of overall GPA.
6. Courses taken at California State University, San Marcos may only be repeated at this campus. That is, a course repeated at another institution will not replace the course taken at CSUSM in terms of GPA computation.

Course Numbering System

The first number in each course designation is intended to indicate the level of complexity of the course. In addition, the first number also roughly indexes the student's year of study at the University.

Courses numbered 001—099 are non-baccalaureate remedial courses. Courses numbered 100—299 are lower-division. CSU, San Marcos plans to offer courses at this level beginning in 1995, when the first freshman class will be admitted. Courses numbered 300—499 are upper-division. Courses numbered 500—599 are also considered upper-division and may be taken by upper-division or graduate students for undergraduate or graduate credit. Courses numbered 600—699 are graduate level. CSU, San Marcos will begin offering courses at this level when master's degree programs are approved.

Class Attendance

While class attendance may not be recorded officially by the University, regular attendance in class is essential to the success in a course. Students who are more than fifteen minutes late for class may be considered absent.

Final Examinations

Student achievement shall be evaluated in all courses. Students shall be fully informed of the manner of their evaluations as well as the requirements and major assignments within the first three weeks of each semester. Final examinations will be given at times scheduled by the university. Once established, the final examination may not be changed unless approved by the dean of the college. No make-up final examination will be given except for reason of illness or other verified emergency. An instructor may not shorten the academic semester by scheduling an in-class final examination before the week scheduled for final examinations. No major examinations shall be given during the last week scheduled for instruction unless there is also to be a final examination at the time assigned in the class schedule. When the final examination is a take-home examination, it shall be due no earlier than the day scheduled for the final examination in that class. The dean of each college shall be responsible for ensuring that this policy is followed. NOTE: Instructors for some supervisory-type courses such as Independent Study may require other alternatives to the traditional final examinations.

REGISTRATION INFORMATION

As California State University, San Marcos develops its student services and processes, advanced registration systems, such as Touch Tone Registration, are being considered. However, students will have the opportunity to participate in a mail-in registration process in the interim.

The registration process is comprised of two steps —class enrollment and fee payment. Students will receive academic advising by the faculty and an orientation to the University.

Detailed information about the registration process, including deadlines, will be reflected in the Class Schedule, available at the University Store.

Late Registration

The last day to register late each semester will be announced in the class schedule. Late registrants must pay a $25 late registration fee in addition to regular fees. Please refer to the Fees and Other Financial Information section of this catalog for details about fees.

Grade Changes

The University recognizes the prerogative of the faculty to set standards of performance and to apply them to individual students. The University will seek to correct injustices to students but at the same time believes that the instructor's judgment at the time the original grade is assigned is better than a later reconsideration of an individual case. Equity to all students is of fundamental concern. The following policies apply to changes of grades except for changes of Incomplete Authorized and Unauthorized Incomplete symbols.

1. In general, all course grades are final when filed by the instructor in end of term course grade report. Each student is notified by mail of the grades earned during the term, and these grades become a part of the official record.
2. A change of grade may occur only in cases of clerical error or where the instructor reevaluates the original course assignments of a student and discovers an error in the original evaluation. A clerical error is an error made by the instructor or an assistant in calculating or recording the grade. A change of grade shall not occur as a consequence of the acceptance of additional work or reexamination beyond the specified course requirements.
3. A request for a change of grade shall be initiated by the student affected and shall be directed to the instructor within 60 calendar days of the first day of classes of the regular semester following the award of the grade. If the instructor determines that there is a valid basis for the change, a change of grade form shall be used to notify the office of Admissions and Records. Forms are not to be handled by the student. If the instructor determines that there is not a valid basis for the change, and denies the student's request, the instructor's decision is final. The student may file a petition with the Office of Student Services on the basis of capricious or prejudicial treatment by the instructor.
4. The Change of Grade form completed and signed by the instructor, noting the basis for the change, shall not be accepted by the recorder unless approved separately by the Dean of the college of the course in question.
5. If a request for a change of grade is initiated after 60 calendar days into the following semester, it will be approved only in extraordinary circumstances. An explanation of such circumstances must accompany the request and must be approved separately by the instructor and college dean before acceptance by the Office of Admissions and Records.

ACADEMIC POLICIES

Academic Dishonesty

Academic dishonesty of any kind is a serious and reprehensible misconduct that threatens the very integrity of the University. Of particular concern are plagiarism and cheating. Plagiarism is the presentation of someone else's ideas and/or writings as one's own. Students must make appropriate acknowledgments of the original source when using materials written or compiled by someone else; failure to do so is academically dishonest. Cheating is any fraudulent activity intended to deceive or mislead. Because of the seriousness of academic dishonesty, the University makes a genuine effort to prevent its occurrence, assures students of due process when academic dishonesty is alleged, and provides meaningful penalties for students found guilty of academic dishonesty, including expulsion from the University.

Academic Probation and Disqualification

In order to determine a student's eligibility to remain enrolled at CSU, San Marcos, the University shall consider both quality of performance and progress toward successful completion of a student's course of study. Eligibility shall be determined essentially by grade points and grade-point average.

CSU, San Marcos will apply the following guidelines:

- Undergraduate students shall be subject to probation if, in any academic term, they fail to maintain a cumulative grade-point average of at least 2.0 (a grade of C);

- Undergraduate students on probation shall be subject to disqualification if, with junior standing, they fall nine or more grade points below a 2.0 average in all college units attempted or in all units attempted at CSU, San Marcos; or if, with senior standing, students fall six or more grade points below a 2.0 average on all college units attempted or in all units attempted at CSU, San Marcos.
- Undergraduate students shall be subject to disqualification if at any time their cumulative grade-point average falls below 1.0 (a grade of D) and if it is unlikely, in light of their overall education record, that the grade-point deficiency will be removed in subsequent terms;
- Students who have post-baccalaureate status shall be subject to the same academic probation and disqualification as undergraduate students, with the exception of student enrolled in a Teaching Credential Program who must follow the conditions established for that program.
- If none of the conditions above apply, undergraduate students shall receive an academic warning, if in a single term, their GPA falls below 1.5.

Undergraduate students disqualified for academic deficiency may not enroll in any regular campus session without permission from the Director of Admissions and Records, and may be denied admission to other educational programs operated or sponsored by the University.

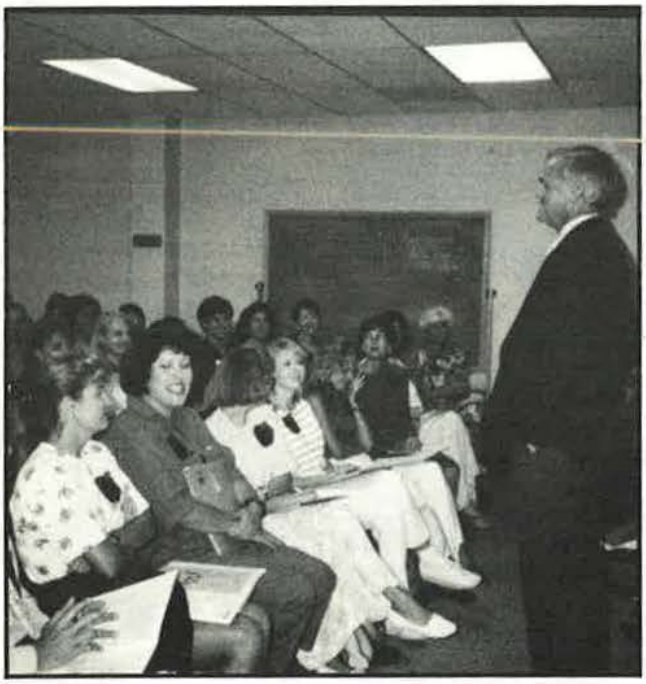
Administrative Academic Disqualification

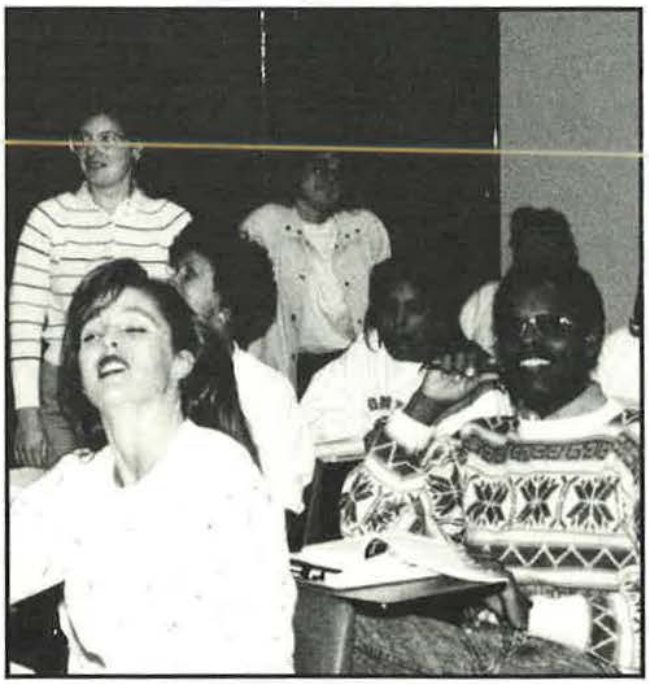
An undergraduate or graduate student may also be placed on probation or may be disqualified by the Director of Admissions and Records for unsatisfactory scholastic progress regardless of cumulative grade-point average or progress points. Such actions shall be limited to unsatisfactory scholastic progress arising from repeated withdrawal, failure to progress toward an educational objective, and noncompliance with an academic requirement, and shall be consistent with guidelines issued by the Chancellor of The California State University.





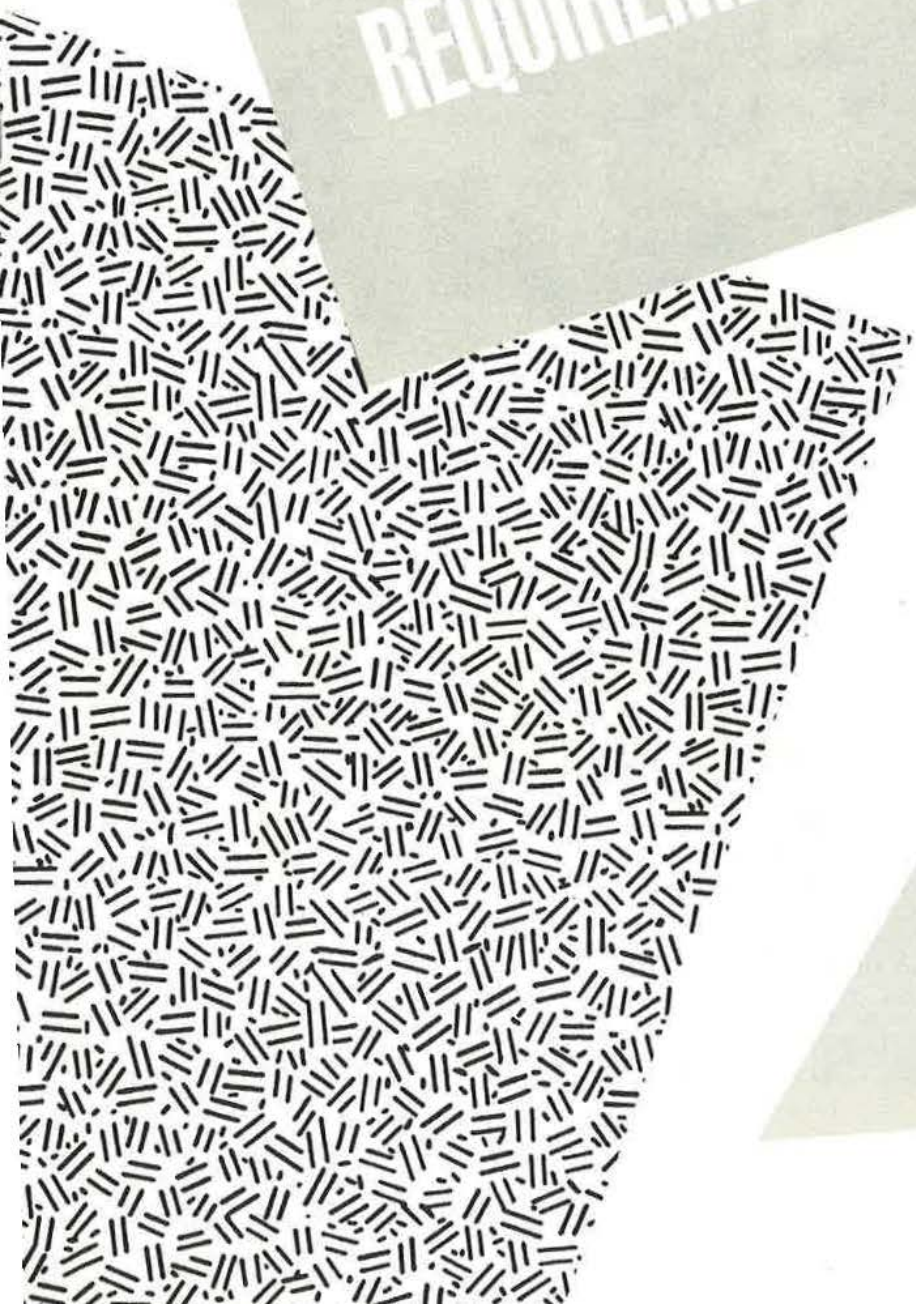






1991-1992

GRADUATION REQUIREMENTS





GRADUATION REQUIREMENTS

California State University, San Marcos will make every effort to preserve the following graduation requirements for students subject to this catalog:

I. Unit Requirement

The number of semester units necessary for a bachelor's degree is listed below. At least forty (40) units shall be in upper-division credit and no more than seventy (70) units may be transferred from the Community College.

Bachelor of Arts Degree 124

Bachelor of Science Degree 124-132

II. Major or Minor Requirements

While individual programs have unique requirements, all majors must include twenty-four (24) units exclusive of units used to meet the General Education requirement. At least twelve (12) units in the major shall be upper-division courses; the maximum number of units shall be determined by the discipline. Please refer to the Curricula section in this catalog for specific major or minor requirements.

III. Residence Requirements

A minimum of thirty (30) units must be completed in residence at CSU, San Marcos, of which twenty-four (24) units must be upper-division and twelve (12) of these must be in the major.

IV. Grade-Point-Average Requirement

Three grade-point averages, each 2.0 (C average) or higher, are required for graduation:

a. A cumulative grade-point average, which includes both transferred and CSU, San Marcos coursework;

b. A CSU, San Marcos grade-point average;

c. A grade-point average in the major, at CSU, San Marcos and in coursework accepted as transfer credit for the major from other institutions.

General Education Goals and Objectives

The General Education program at California State University, San Marcos consists of 49 units designed to provide students with the skills and information necessary to live in a rapidly changing world. Basic skills of writing; critical thinking, and scientific reasoning; oral communication; and computer literacy provide the opportunity for students to explore a variety of disciplinary approaches in the natural and mathematical sciences, humanities, arts, and social sciences.

Nine (9) of these units are in upper-division interdisciplinary courses designed to integrate student's separate learning experiences. Many of these courses provide students with an international perspective and an understanding of their own traditions as they prepare for a challenging future. In addition, the General Education program is designed to meet the University graduation requirements in foreign language; issues of race, class, and gender; and global awareness.

The primary goal of General Education at CSU, San Marcos is to provide students with a broad foundation in the liberal arts and sciences, to develop and strengthen basic skills, to enhance the ability to communicate in English and other languages, to increase respect and awareness of other people and cultures, to foster scholarship and disciplined thinking, and to promote sensitivity and self-reflection. Furthermore, the University strives to ensure that students have opportunities to explore the literature, history, philosophy, institutions, and art of American and other cultures.

The General Education program exposes students to the creative and problem-solving skills of the natural and mathematical sciences, broadens their modes of thinking and prepares them to understand patterns of technological change.

In summary, General Education at California State University, San Marcos allows students to explore a variety of disciplines within a structured framework that develops knowledge and skills from all areas of human behavior.

V. General Education Requirements

In fulfillment of the General Education Goals and Objectives described above, the nine (9) upper-division units in General Education must be completed at CSU, San Marcos and must be counted outside the student's major. Liberal studies majors may include the nine (9) units of upper-division General Education in their major program.

The General Education requirements are distributed as follows:

Area A: Nine (9) units of basic skills

- Three units of composition (Composition 101)
- Three units of critical thinking: a variety of disciplines will participate by offering courses that address the following elements of critical thinking: logic, reasoning, critical reading and analysis, argumentation (Prerequisite: Composition 101)
- Three units of Oral Communication: Speech 101 or 102 (Prerequisite: Composition 101)

Area B: Thirteen (13) units of mathematics and science

- Three units in biology
- Three units in a physical science (chemistry, physics)

- Three units in mathematics
- One unit of laboratory work associated with one of the science lecture courses selected
- Three units of upper-division interdisciplinary work in mathematical or natural sciences

Area C: Twelve (12) units of study in the humanities

- Six units in a two-semester sequence of either
  a. Western civilization/humanities
  b. A world-area civilization sequence focused on Africa, Asia, the Middle East, or Latin America
- Three units exploring a disciplinary course in one of the following:
  a. literature
  b. foreign language
  c. religion
  d. philosophy
  e. fine arts (non-studio); e.g. music, art, theater, dance, film
- Three units of upper-division interdisciplinary work in the humanities

Area D: Twelve (12) units of study in the social sciences

- Three units selected from three of the following disciplines for a total of nine (9) units:
  a. Introduction to sociology
  b. Introduction to psychology
  c. Introduction to political science
  d. Principles of microeconomics or principles of macroeconomics
  e. World geography
  f. History (American, European, or World Surveys)
- Three units of upper-division interdisciplinary study in the social sciences

Area E: Three (3) units of study designed to equip students for lifelong understanding and development of themselves as integrated physiological, social, and psychological entities.

VI. U.S. History, Constitution, and American Ideals Requirement

Students will fulfill this requirement when a community college has certified successful completion of course work in U.S. History, Constitution (including processes of California state and local government), and American Ideals. Students may also fulfill the requirement through satisfactory completion of one of the designated upper-division courses at CSU, San Marcos, or passage of a comprehensive examination.

VII. Graduation Writing Assessment Requirement

Students may complete this requirement through a check-off system of upper-division General Education courses. Students who are unable to be certified by this mechanism may elect to take an English writing course or pass the CSU, San Marcos writing examination.

VIII. All-University Writing Requirement

Students are advised to note that every course at California State University, San Marcos has a writing requirement component of at least 2500 words (approximately 10 pages). This requirement can be fulfilled in a variety of ways, depending on the course.

IX. Other Graduation Requirements

These requirements may be fulfilled by courses chosen as electives, either as a part of a major or minor, or while fulfilling General Education.

1. ***Global awareness:*** Fifteen (15) units of study exploring culture, societies, history, or issues. Of these, three (3) units shall explore the United States **in addition to** the units required by the U.S. History, Constitution, and American Ideals requirement. Six (6) units of study shall focus on the European societies and six (6) units of study of Asia, Africa, Latin America, or the Middle East. NOTE: Courses can only be counted in one category within the Global Awareness Requirement.
2. ***Race, class, and gender:*** All students shall take three units of study that focus on one or more of these areas.
3. ***Foreign Language:*** Students whose majors lead to the baccalaureate degree must satisfy a foreign language requirement as outlined below. It is recommended that students consult their academic adviser concerning implementation of and placement under this requirement.

   a. Before graduation, the student must show competency in either a foreign language or an American Indian language. Competency can be demonstrated by:

      - successfully passing a proficiency examination in one foreign language;
      - successfully completing three semesters of a single foreign language. In computing this, one year of high school foreign language study shall be considered equal to one university semester of foreign language;
      - graduating from a high school in which English is not the language of instruction. Students whose native language is not English will not be given baccalaureate credit for taking lower-division courses in their native language.

b. Courses used to meet this requirement may be applied to the General Education requirement.

4. ***Computer Literacy:*** All students must pass the CSU, San Marcos basic computer competency examination the first semester of attendance. The examination will be "hands-on", and will assess the following competencies:

   - Knowledge of booting a personal computer
   - Ability to recognize basic computer terminology such as: what constitutes a floppy disk, a hard disk, a terminal, etc.
   - Knowledge of how to set up, find, or edit a directory (or how to use the hierarchical file system on the Macintosh personal computers)
   - Ability to use at least three different computer applications such as:

     a word processor (editing, moving text, spell-checking, etc)

     a spreadsheet (create, edit, and balance a checkbook)

     a database (create an address file)

     a statistical package

     a graphics application

   - Knowledge of computer ethics, especially regarding copyrights issues

Students who are unable to complete all or parts of the examination will be referred to self-paced tutorials and/or workshops on selected topics.

Upon completion of the examination, students will be certified for computer competency and will be permitted to register for a second semester at the University.

UPPER-DIVISION GENERAL EDUCATION PROGRAM

The following courses have been approved to fulfill the upper-division interdisciplinary section of the General Education areas B, C, and D. Students are advised to consult the Class Schedules for the list of courses which will be offered.

Area B—Mathematical and Natural Sciences
(Students must complete 3 units)

BIOL 324	Developmental Biology
BIOL 347	Biology of Human Reproduction
BIOL 391	The Biology of Nuclear War
BIOL 393	Biological Engineering and Society
BIOL 410	Human Heredity
BIOL 492	Stress Biology
CHEM 311	Chemicals and the Environment
CHEM 312	Biochemicals of Importance
CSC 304	Issues in Computer Science
ID 380	Interdisciplinary Perspectives in the Sciences
MATH 302	Mathematics in the Modern World
MATH 306	Statistical Vignettes

Area C—Humanities
(Students must complete 3 units)

EDUC 400	Children's Literature
ENGL 370 A	Women and Literature: Who We Were, Women in Literary History
FNART 380 A	Special Topics in the Arts: Musical Perception
HIST 323	Society and Culture in Modern Europe
HIST 354	The Search for Caribbean Independence
ID 360	Interdisciplinary Perspectives in the Humanities
ID 360 A	Interdisciplinary Perspectives in the Humanities: Arts Exploration, Andean Music and Culture
ID 360 B	Interdisciplinary Perspectives in the Humanities: Literature and Media
ID 360 C	Interdisciplinary Perspectives in the Humanities: Culture Studies, Mexico
ID 360 D	Interdisciplinary Perspectives in the Humanities: Latin American Civilization
MUS 320	Critical Listening
MUS 421	Survey of World Music I
MUS 422	Andean Music and Culture
WOMST 301	Gender and Race in Contemporary Society

Area D—Social Sciences
(Students must complete 3 units)

ECON 305	Economics and Other Social Sciences
ECON 306	Economics, Philosophy, and Politics
HIST 319	Industrialization of Europe
HIST 330	The Constitution and American Society
HIST 352	Mexico and Her Neighbors
ID 340	Introduction to American Ethnic and Multicultural Studies
ID 370	Interdisciplinary Perspectives in the Social Sciences
ID 370A	Interdisciplinary Perspectives in the Social Sciences: Politics and Economics
PSCI 390 A	Special Topics in Political Science: The Soviet Union, the Government and the Economy
PSCI 392	Religion and Politics
PSCI 393	Environmental Politics
SOC 300	American Society and Institutions
SOC 310	Sociology of Mass Communication
SOC 311	Inequality
SOC 315	Sex Roles
SOC 317	Youth and Society

GLOBAL AWARENESS REQUIREMENT

The following courses have been approved to fulfill the Global Awareness requirement. Students are advised to consult the Class Schedules for the list of courses which will be offered.

Category A—United States
(Students must complete 3 units)

BIOL 393	Biological Engineering and Society
ENG 352	American Literature: World War I to the Present
FNART 380B	Special Topics in the Arts: Survey of World Music
HIST 230	U.S. History 1500–1865
HIST 231	U.S. History 1865–Present
HIST 330	The Constitution and American Society
HIST 332	Women in America
HIST 334	From Slavery to Freedom
HIST 335	Segregation to Civil Rights
HIST 337	American Indian Response to White Expansion
HIST 339	The American City
HIST 341	Ideas in America
HIST 343	Religion in America
HIST 345	The Immigrant Experience
HIST 347	California History
HIST 349	Foreign Policy of the United States
HIST 431	Seminar in American History—The Era of the American Revolution
HIST 432	Seminar in American History—Red, White, and Black in the British Colonies
HIST 434	Seminar in American History—Twentieth Century Feminist Thought
ID 340	Introduction to American Ethnic and Multicultural Studies
MGMT 341	Environments of Business/Global Issues
MUS 320	Critical Listening
MUS 421	Survey of World Music I
PSCI 100	United States Government and Politics
PSCI 300	United States Political Institutions
PSCI 305	Ethnicity and Race in U.S. Politics
PSCI 320	Principles and Practices of Public Administration
PSCI 321	Public Policy Formulation
PSCI 355	United States Foreign Policy
PSCI 365	International Organization and Law
PSCI 370	Elements of Political Theory
PSCI 390	Special Topics in Political Science
PSCI 392	Religion and Politics
PSCI 393	Environmental Policy
PSCI 401	Campaigns, Elections, and Voting
PSCI 405	Interest Group Politics
PSCI 406	Political Parties
PSCI 410	Congress and the Legislative Process
PSCI 411	The Presidency
PSCI 412	Constitutional Law: Distribution of Power
PSCI 413	Constitutional Law: Civil Liberties
PSCI 414	Judicial Behavior and Politics
PSCI 415	State Politics
PSCI 416	Urban Politics
PSCI 419	Special Topics in U.S. Politics
PSCI 432	Comparative Political Institutions
PSCI 433	Comparative Legal Systems
PSCI 434	Comparative Public Policy
PSCI 449	Special Topics in Comparative Politics
PSCI 450	Theories of International Relations
PSCI 455	National Security Institutions and Policy
PSCI 460	International Political Economy
PSCI 461	International Conflict, War, and Peace
PSCI 469	Special Topics in International Relations
PSCI 470	American Political Thought
SOC 300	American Society and Institutions
WOMST 301	Gender and Race in Contemporary Society

Category B—European Societies
(Students must complete 6 units)

ENGL 370A	Women and Literature: Who We Were, Women in Literary History
FNART 380B	Special Topics in the Arts: Survey of World Music
HIST 313	Church and Society in Medieval Europe
HIST 315	England Comes of Age
HIST 317	From Medieval to Modern
HIST 318	Society and Culture in Early Modern Europe
HIST 319	Industrialization of Europe
HIST 320	The Age of Empire
HIST 321	Nationalism and Unification in Europe
HIST 322	Europe in the Age of World War
HIST 323	Society and Culture in Modern Europe
HIST 324	Philosophers and Kings: Europe in the 18th Century
HIST 325	Revolutionary Europe
HIST 326	Towards a European Community
HIST 327	Women in Modern Europe
HIST 328	Imperial Russia
HIST 329	From Russia to U.S.S.R.
HIST 400	Special Topics Seminar in European History
MUS 320	Critical Listening
MUS 421	Survey of World Music I
PSCI 330	Elements of Comparative Politics
PSCI 335	Government and Politics of Europe

PSCI 336	Government and Politics of the Soviet Union
PSCI 348	Government and Politics of a Selected Nation-State
PSCI 350	Elements of International Relations
PSCI 356	Soviet Foreign Policy
PSCI 357	Foreign Policy of a Selected Nation-State
PSCI 360	The European Community
PSCI 362	International Relations in a Selected Region
PSCI 365	International Organization and Law
PSCI 370	Elements of Political Theory
PSCI 371	Ancient and Medieval Political Theory
PSCI 372	Early Modern European Political Theory
PSCI 373	Contemporary Political Theories and Ideologies
PSCI 390	Special Topics in Political Science
PSCI 392	Religion and Politics
PSCI 393	Environmental Policy
PSCI 432	Comparative Political Institutions
PSCI 433	Comparative Legal Systems
PSCI 434	Comparative Public Policy
PSCI 449	Special Topics in Comparative Politics
PSCI 450	Theories of International Relations
PSCI 455	National Security Institutions and Policy
PSCI 460	International Political Economy
PSCI 461	International Conflict, War, and Peace
PSCI 469	Special Topics in International Relations

Category C—Asia, Africa, Latin America, or the Middle East *(Students must complete 6 units)*

ENGL 355	Literary Criticism
ENGL 365A	Studies in Popular Literature: Communities in Transition
ENGL 401A	Topics for Literary Study: Discovering Non-Canonical Text
FNART 380B	Special Topics in the Arts: Survey of World Music
FNART 381A	Studio Work in the Arts
GEOG 301	World Geography
HIST 250	Latin American Civilization to 1815
HIST 251	Latin American Civilization since Independence
HIST 260	Asian Civilization to 1600
HIST 261	Asian Civilization from 1600
HIST 270	African Civilization before Colonization
HIST 271	African Civilization since Colonization
HIST 351	Borderlands Areas under Mexico and Spain
HIST 352	Mexico and Her Neighbors
HIST 353	Latin America in Revolution
HIST 354	The Search for Caribbean Independence
HIST 362	China and the West
HIST 363	China in Revolution
HIST 365	Tradition and Change in Japan
HIST 369	Southeast Asia in the Era of European Expansion
HIST 375	African Nationalism and Independence
HIST 380	The Rise of Islam
HIST 385	Modern Middle East
ID 360A	Interdisciplinary Perspectives in the Humanities: Arts Exploration, Andean Music and Culture
ID 360C	Interdisciplinary Perspectives in the Humanities: Culture Study, Mexico
ID 360D	Interdisciplinary Perspectives in the Humanities: Latin American Civilization
MUS 320	Critical Listening
MUS 390	Andean Ensemble
MUS 421	Survey of World Music I
MUS 422	Andean Music and Culture
PSCI 330	Elements of Comparative Politics
PSCI 337	Government and Politics of Africa
PSCI 338	Government and Politics of Latin America
PSCI 339	Government and Politics of the Middle East
PSCI 340	Government and Politics of East Asia
PSCI 348	Government and Politics of a Selected Nation-State
PSCI 350	Elements of International Relations
PSCI 357	Foreign Policy of a Selected Nation-State
PSCI 361	Inter-American Relations
PSCI 362	International Relations in a Selected Region
PSCI 365	International Organization and Law
PSCI 370	Elements of Political Theory
PSCI 371	Ancient and Medieval Political Theory
PSCI 390	Special Topics in Political Science
PSCI 392	Religion and Politics
PSCI 393	Environmental Policy
PSCI 431	Political Development
PSCI 432	Comparative Political Institutions
PSCI 433	Comparative Legal Systems

PSCI 434	Comparative Public Policy
PSCI 449	Special Topics in Comparative Politics
PSCI 450	Theories of International Relations
PSCI 455	National Security Institutions and Policy
PSCI 460	International Political Economy
PSCI 461	International Conflict, War, and Peace
PSCI 469	Special Topics in International Relations
SPAN 400	Masterpieces of Hispanic Literature

RACE, CLASS, AND GENDER REQUIREMENT

The following courses have been approved to fulfill the Race, Class, and Gender requirement. Students are advised to consult the Class Schedules for the list of courses which will be offered. *(Students must complete 3 units)*

BIOL 347	Biology of Human Reproduction
BIOL 410	Human Heredity
EDUC 550	Students at Risk: Psychological and Educational Perspectives
ENGL 365A	Studies in Popular Literature: Communities in Transition
ENGL 370A	Women and Literature: Who We Were, Women in Literary History
HIST 319	Industrialization of Europe
HIST 327	Women in Modern Europe
HIST 332	Women in America
HIST 334	From Slavery to Freedom
HIST 335	Segregation to Civil Rights
HIST 337	American Indian Response to White Expansion
HIST 354	The Search for Caribbean Independence
HIST 431	Seminar in American History–The Era of the American Revolution
HIST 432	Seminar in American History–Red, White, and Black in the British Colonies
HIST 434	Seminar in American History–Twentieth Century Feminist Thought
ID 340	Introduction to American Ethnic and Multicultural Studies
PSCI 305	Ethnicity and Race in U.S. Politics
PSCI 391	Gender and Politics
PSCI 472	Feminist Political Thought
PSYCH 350	Psychology of Women
PSYCH 550	Students at Risk: Psychological and Education Perspectives
SOC 311	Inequality
SOC 315	Sex Roles
SOC 317	Youth and Society
WOMST 301	Gender and Race in Contemporary Society

U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS REQUIREMENT

The following courses have been approved to fulfill the U.S. History, Constitution, and American Ideals requirement. Students are advised to consult the Class Schedules for the list of courses which will be offered. *(Students must complete 3 units)*

HIST 230	U.S. History 1500–1865
HIST 231	U.S. History 1865–present
HIST 330	The Constitution and American Society
HIST 332	Women in America
HIST 334	From Slavery to Freedom
HIST 335	Segregation to Civil Rights
HIST 337	American Indian Response to White Expansion
HIST 339	The American City
HIST 341	Ideas in America
HIST 343	Religion in America
HIST 345	The Immigrant Experience
PSCI 100	United States Government and Politics
PSCI 300	United States Political Institutions
PSCI 412	Constitutional Law: Distribution of Power
PSCI 413	Constitutional Law: Civil Liberties

APPLICATION FOR GRADUATION

Graduation is not automatic upon the completion of requirements. Students who intend to graduate must take the initiative. Upon completion of 100 units, the student is eligible to file an application for graduation with the Office of Admissions and Records. The Class Schedule each semester specifies the filing date. An application fee of $10.00, which is nonrefundable, is required.

The degree is granted upon completion of all requirements by the graduation date. Candidates for graduation are eligible to register for terms subsequent to the graduation date only if an application for readmission as a postbaccalaureate student has been filed with the Office of Admissions and Records.

Students not completing requirements must reapply for graduation during the appropriate filing period, and pay the required application fee. Graduation requirements will be determined by the continuous enrollment regulations defined in this catalog under Academic Regulations.

After the degree is granted, no changes can be made to the undergraduate record.

ELECTION OF REGULATIONS

An undergraduate student remaining in attendance in regular sessions at any California State University campus, at any California community college, or any combination of California community colleges and campuses of The California State University may for purposes of meeting graduation requirements elect to meet the requirements in effect at CSU, San Marcos either

(a) at the time the student begins attendance at a California public community college or California State University campus, or

(b) at the time the student begins attendance at CSU, San Marcos, or

(c) at the time the student graduates from CSU, San Marcos.

The campus may require a student changing his or her major or any minor field of study to complete the major or minor requirements in effect at the time of the change.

For purposes of this section, "attendance" means attendance in at least one semester (or two quarters) of a calendar year. Absence due to an approved educational leave or for attendance at another accredited institution of higher learning shall not be considered an interruption in attendance, if the absence does not exceed two years.

SECOND BACHELOR'S DEGREE REQUIREMENTS

In order to receive a second bachelor's degree, students who hold a bachelor's degree from CSU, San Marcos or another accredited institution of higher education must:

(1) Meet in an advising session with the adviser of the major in which the student seeks a second degree. During the advising session, the adviser and the student will develop an academic plan that considers any limitations and any overlap in units in both the first and second degrees.

(2) Complete the major requirements for the second degree. Units from the first degree may be counted, but a minimum of twenty-four (24) upper-division residence units in the major subsequent to earning the first bachelor's degree is required.

(3) Complete a minimum of thirty (30) units in residence at CSU, San Marcos beyond the first bachelor's degree. Of the thirty (30) units, twenty-four (24) must be upper division in the major.

(4) Complete requirements in U.S. History, Constitution and American Ideals.

(5) Complete the English Placement Test (EPT), Graduation Writing Assessment Requirement (GWAR), and the Entrance Level Mathematics (ELM) if not already successfully completed at CSU, San Marcos or other CSU campuses as part of the first bachelor's degree. If completed elsewhere, written verification is required.

(6) Complete the Global Awareness; Race, Class, and Gender; Foreign Language; and Computer Literacy requirements.

Second bachelor's degree candidates are required to achieve a 2.0 grade-point average each semester to maintain good academic standing. Registration priority is that of an unclassified graduate student.

Second bachelor's degree candidates who received their baccalaureate from CSU, San Marcos would have already met General Education requirements. Those with bachelor's degrees from other institutions must comply with all CSU, San Marcos General Education requirements.

DOUBLE MAJOR REQUIREMENTS

An undergraduate student may desire to complete the requirements for a second major before receiving a baccalaureate degree. The student shall declare the additional major with the appropriate discipline or program no later than the beginning of the student's final year of study and shall seek an adviser for the second major. When applying for graduation, the student must designate which is to be the primary degree major for purposes of graduation.

Students seeking double majors shall meet all degree requirements for each major. When approved by both disciplines, units may be double counted above 27 mutually exclusive units (15 upper division) in the bachelor of arts programs and 36 mutually exclusive units (18 upper division) in the bachelor of science programs.

1991-1992

COURSES AND CURRICULA



COLLEGE OF ARTS AND SCIENCES

College Office: Building 125
Telephone: (619) 471-4233

Dean: Victor Rocha

Associate Dean: Patricia E. Worden

Faculty:

Roger A. Arnold
Professor, Economics
Therese L. Baker, Founding Faculty
Professor, Sociology
Rochelle Boehning
Professor, Computer Science
Stella T. Clark
Professor, Spanish/Foreign Languages
Larry W. Cohen, Founding Faculty
Professor, Biology
Donald J. Funes
Professor, Music/Fine Arts
Joan R. Gundersen, Founding Faculty
Professor, History
William T. Liu, Founding Faculty
Professor, Sociology
Heike I.M. Mahler
Assistant Professor, Psychology
Carolyn R. Mahoney, Founding Faculty
Professor, Mathematics
Lionel A. Maldonado
Professor, Ethnic Studies
Kenneth P. Mendoza
Associate Professor, English
K. Brooks Reid, Founding Faculty
Professor, Mathematics
Margaret Roark
Assistant Professor, Biology
Victor Rocha
Professor, Biology
Richard R. Rush
Professor, English
Patricia S. Seleski
Assistant Professor, History
Cliff H. Summers
Assistant Professor, Biology
Steven C. Welch
Professor, Chemistry
Patricia E. Worden, Founding Faculty
Professor, Psychology
Peter R. Zwick
Professor, Political Science

Programs Offered:

Bachelor of Arts in: **English**
Economics
History
Liberal Studies
Political Science
Psychology
Social Science
Sociology

Bachelor of Science in: **Biology**
Mathematical Sciences

Minors in: **Biology**
Economics
English
History
Mathematical Sciences
Political Science
Psychology
Sociology
Women's Studies

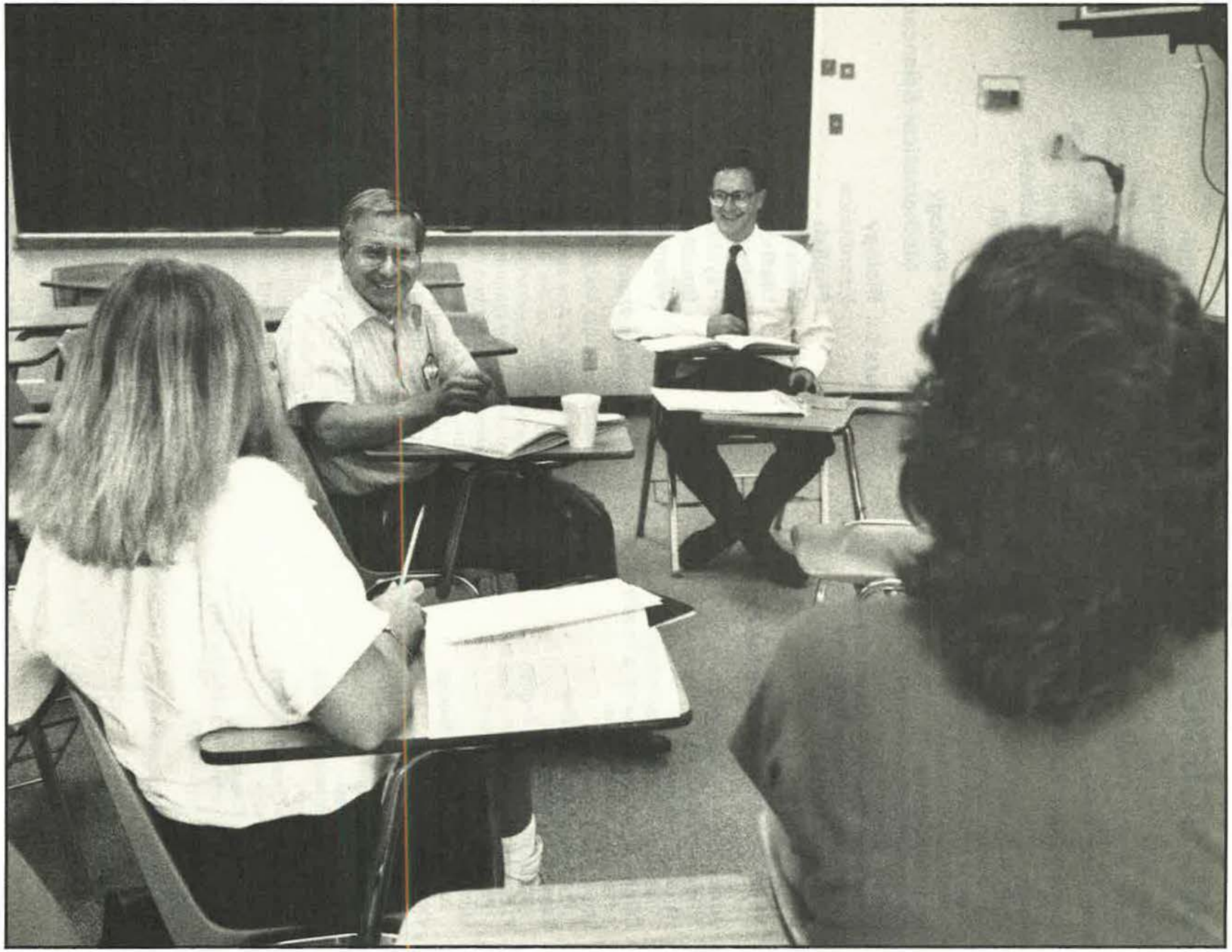
A Message from the Dean

Welcome to the College of Arts and Sciences!

The College of Arts and Sciences at CSU, San Marcos is home to the fundamental academic disciplines in the liberal arts and sciences. The curriculum of the College features a variety of offerings listed above and described in detail in the pages that follow. Some disciplines in the College do not have a major just yet; however, they offer courses in support of the General Education; the Race, Class, and Gender; and the Global Awareness requirements.

The College of Arts and Sciences features a faculty dedicated to excellence in teaching, research and service. Students can expect a supportive atmosphere in which to pursue their studies, primarily in small classes providing rich opportunities for interaction, activity, and cooperative learning.

Graduates of the Colleges of Arts and Sciences are well prepared for a variety of careers. Our courses teach students how to write, to analyze, to think creatively and critically. Multicultural and interdisciplinary programic foci prepare our students for life in the 21st century in a globally interdependent society. Complementing the general education curriculum, majors provide both broad and deep understanding of discipline subject-matter; many majors provide an excellent foundation for further study at the graduate level; others prepare students for careers in education, medicine, law, or public service.



BIOLOGY

Discipline Office: Arts and Sciences Building
1245 Stone Drive
San Marcos, CA 92069
Telephone: (619) 591-3270

Faculty:
Larry W. Cohen, Ph.D.
Margaret Roark, Ph.D.
Cliff H. Summers, Ph.D.

Instructional Support Technician:
Sally-Jo Divis

Programs Offered:

Bachelor of Science in Biology
Minor in Biology

Biology is the study of the living process from the interaction of species with each other and their environment to the operant molecular mechanisms. The CSU, San Marcos biology discipline presents a broad program of courses that deal with life on the population, organismal, and molecular levels. One common principle extending through the curriculum is that biological processes should ultimately be biochemically explainable and mathematically describable. Life is a complicated series of chemical reactions and interactions, and we seek to understand the relationship of organisms to each other, to their environment, and within themselves in biochemical terms.

Modern biological science has progressed from the purely analytical to now include manipulative capability. Recombinant DNA techniques enable the investigator to generate specified changes in components of organisms for the purpose of better understanding some process, and in some cases to introduce new traits that will be of practical usefulness to society. The CSU, San Marcos biology program exposes students to cloning techniques, to illustrate the techniques involved as part of the student's General Education and to train students for research positions.

Society is the beneficiary of modern technology and is also at its mercy. Products of the industrial process and of our use of natural resources can perturb the dynamic balance in the environment, and by leading to the extinction of species, reduce the diversity of living forms. The perturbation may so threaten the balance as to put the quality of human life in jeopardy. The CSU, San Marcos biology discipline recognizes the dependence of modern society on industry and seeks to monitor the environment (ecology) for the purpose of constructively presenting warnings and alternatives to enlightened industrial leadership.

In this initial phase of the discipline at CSU, San Marcos, with student numbers small and laboratory facilities modest, the biology program is compensatorily enriched by an atmosphere of close faculty/student interaction reminiscent of the better small liberal arts colleges and by numerous field trips to research facilities in the area. Students receive training that will enable them to gain rewarding employment in a number of areas, including teaching, research, the health sciences and environmental management.

Preparation

Students will be entering into the program at the junior and senior levels and will be expected to have completed the equivalent of the lower-division requirements elsewhere during their first two years, including one year of organic chemistry with laboratory, and two semesters of college-level calculus (three recommended).

Special Conditions for the Bachelor of Science in Biology and the Minor in Biology

Note: Biology 201 and 202 are prerequisites for all majors courses in the discipline.

All courses taken for the major must be completed with a grade of C- or better. A minimum of 18 units counted toward the biology major must be completed at California State University, San Marcos. In addition to the upper-division courses, listed as requirements, the student must have completed one year of physical chemistry with laboratory. This requirement will be in effect starting with academic year 1992–93. For students planning to teach, enter medical school or go on for advanced education, the biology faculty recommends the completion of one year of physics. It is also recommended that students preparing for a career in the sciences also take courses in biochemistry, biophysics, mathematics through calculus, and physical chemistry.

BACHELOR OF SCIENCE IN BIOLOGY

Graduation Requirements

Total Units required	**132**
General Education units	49
Non-Biology supporting units	26
Lower-Division Biology units	8
Upper-Division Biology units	30–34
Electives units	15–19

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Non-Biology Supporting Courses (26 units)

	Units
Chemistry 101 and 102 General Chemistry (one year)	10
Chemistry 301 and 302 Organic Chemistry (one year)	10
Mathematics 160 Calculus I	3
Mathematics 162 Calculus II	3

Lower Division (8 units)

Biology 201 Introduction to Organismal and Population Biology	4
Biology 202 Introduction to Cellular and Molecular Biology	4

Upper Division (30–34 Units)

Biology 300 Molecular Genetics	4
Biology 305 Cell Biology	4
Choice of one course	3–4
Biology 301 Terrestrial Ecology (3)	
Biology 302 Aquatic Ecology (4)	
Choice of one course	4
Biology 324 Developmental Biology	
Biology 325 Animal Development	
Biology 326 Plant Growth and Development	
Choice of one course	4
Biology 340 Invertebrate Physiology	
Biology 342 Plant Physiology	
Biology 345 Vertebrate Physiology	
Choice of one course	2
Biology 498 Senior Library Thesis	
Biology 499 Senior Laboratory Thesis	

Students taking the Biology 499 option must complete and pass Biology 480 before enrolling in Biology 499.

Three upper-division elective biology courses in the area of interest or two upper-division elective courses plus a year of biophysics or physical chemistry 9–12

MINOR IN BIOLOGY

Lower Division (23 units)

	Units
Chemistry 101 and 102 General Chemistry (one year)	10
Chemistry 301 or 302 Organic Chemistry (one comprehensive course minimum, preferably a year-long course)	5
Biology 201 Introduction to Organismal and Population Biology	4
Biology 202 Introduction to Cellular and Molecular Biology	4

Upper Division (11–12 units)

Choice of one course	4
Biology 300 Molecular Genetics	
Biology 305 Cell Biology	
Choice of one course	3–4
Biology 301 Terrestrial Ecology (3)	
Biology 302 Aquatic Ecology (4)	
Choice of one course	4
Biology 340 Invertebrate Physiology	
Biology 342 Plant Physiology	
Biology 345 Vertebrate Physiology	

Total Units 34–35

BIOLOGY COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

201 Introduction to Organismal and Population Biology (4) The first of a two-semester core course sequence that provides the student with basic knowledge in biology, including specific experimental techniques and familiarity with the scientific method of analysis. Emphasizes classical genetics, ecology, development and physiology. Three hours lecture and three hours laboratory. Corequisite or Prerequisite: Chemistry 301.

202 Introduction to Cellular and Molecular Biology (4) The second of a two-semester core course sequence that provides the student with basic knowledge in biology, including specific experimental techniques and familiarity with the scientific method of analysis. Emphasizes cellular structure and physiology, molecular biology, energetics, and biochemistry. Three hours lecture and three hours laboratory. Corequisite or Prerequisite: Chemistry 302. Prerequisite: Biology 201.

300 Molecular Genetics (4) General principles of heredity with emphasis on the molecular aspects of gene structure, replication, mutation, expression, regulation, conveyance and exchange, and mapping. Extensive coverage is given to interpretation of experimental results, to human genetics, and to recombinant DNA techniques. Three hours lecture and three hours laboratory. Prerequisite or Corequisite: Chemistry 301 or consent of the instructor. Prerequisites: Biology 201 and 202.

301 Terrestrial Ecology (3) A survey of microbial, plant, and animal interactions, focusing on the dynamics of interaction of species caused by competition, predation, and mutualism as well as changes in the physical environment. Prerequisites: Biology 201 and 202.

302 Aquatic Ecology (4) The characteristics of the various marine, estuarine and fresh water habitats and the adjustments animals have made to the environment. Focus will be on levels of productivity and community structure. The impact of human industries will be considered. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

303 Techniques in Ecology (5) Methods, interpretations, and implications of measurements of ecological parameters associated with ecosystem stability and diversity, population dynamics, environmental resources and perturbations, behavior, chronobiology, and physiology. Includes measurements on flora, fauna, and environment. Nine consecutive hours lecture, field work and/or laboratory. Prerequisite or Corequisite: Biology 301

305 Cell Biology (4) The structural and ultrastructural organization of the cell, with emphasis on how structure is related to the biochemical/physiological functioning of the interrelating components. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

308 Virology (3) A comparative survey of bacterial, animal and plant virus variations, including retroviruses and prions. Emphasis is placed upon the variations in structure, nucleic acid composition, and replication patterns. The relationship of viruses to disease is given serious consideration. Prerequisite or Corequisite: Biology 300.

310 Transmission and Population Genetics (3) Patterns of genetic exchange, recombination and mapping, followed by the mathematical description of the pattern of distribution of genes in populations, and the forces that influence that distribution. Genetic mechanisms in evolution are considered.

312 Principles of Evolution (4) An examination of the evidence for and forces that govern evolutionary change. Subject areas include the molecular, developmental and archaeological evidence, molecular mechanisms, population genetics theories of speciation, the evolution of breeding systems and of behavior. Three hours lecture and three hours laboratory.

314 Comparative Animal Behavior (3) Experimental and theoretical investigations in animal behavior, including humans. Interspecies comparisons of sensory, motor, neural and endocrine structures and functioning. Influence of genetic, biochemical/hormonal and neurological factors on animal behavior. Two hours lecture and three hours laboratory; one or more field trips required. Corequisite: Chemistry 201. Prerequisites: Biology 201 and 202.

315 Statistics and Biological Modeling (3) An exposure to statistical methods for data analysis and their relationship to experimental design; computer attempts to describe population changes and to model population interactions. Two hours lecture and three hours laboratory.

324 Developmental Biology (4) An in-depth consideration of the processes involved in the development of multicellular organisms. Topics covered include gametogenesis, fertilization, embryogenesis, cell-cell interactions, morphogenesis, differentiation, developmental genetics. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202 or their equivalent. Recommended: Biology 300 and 305 or their equivalent.

325 Animal Development (4) An in-depth consideration of the morphological changes that occur during the development of selected vertebrate types. The second part of the course considers the genetic and biochemical mechanisms that may govern the process. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

326 Plant Growth and Development (4) A selected survey of plant structure and a detailed analysis of the peculiarities of plant cell structure. Examination on the molecular level, of the processes by which plant cells grow and develop, including genetic regulation, hormonal action, and plant organelle development. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

340 Invertebrate Physiology (4) A survey of examples of invertebrate physiological adaptations, focused around mechanisms of perception, homeostasis, movement, reproduction, nutrition, and growth. Selected subjects will be dealt with on the biochemical/molecular level. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

342 Plant Physiology (4) An examination of the physiological processes that contribute to plant growth, including consideration of the underlying biochemical and biophysical principles. Areas covered also include cell growth and differentiation and photo and hormonal control. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

345 Vertebrate Physiology (4) A comparative survey of vertebrate physiological adaptations including vision, temperature and dehydration tolerance, flight, diving, etc. Three hours lecture and three hours laboratory. Prerequisites: Biology 201 and 202.

347 Biology of Human Reproduction (3) Physiology and anatomy of human reproduction. Subjects covered are the form, function and mechanism of sex development, puberty, sexual abnormalities, venereal diseases, menstrual cycle, sexual behavior and contraception, pregnancy, embyronic development, birth, lactation, and the sexuality of aging including menopause. Credit may not be counted towards the biology major.

350 Bacterial Physiology (4) An analysis of the structure and biochemistry of bacterial cells. Subjects covered include examples of chemical composition and organization, patterns of reproduction, metabolic pathways, mechanisms of inheritance, and life cycles. Three hours lecture and three hours laboratory. Prerequisite: Chemistry 301.

360 Parasitology (3) A survey of the life cycles of representative parasitic organisms of human importance. Some of the best understood examples of interrelationships on the molecular level will also be studied.

391 The Biology of Nuclear War (3) Description of the physical nature of nuclear radiation and the cellular damage produced by radiation, followed by a survey of the damage caused by the two nuclear experiences. Considers the physics of the bombs, the genetic, medical, and psychological impact on the populations of Hiroshima and Nagasaki. Credit may not be counted toward the biology major.

392 Human Impact on the Environment (3) Considers the major areas where human use of resources and consequent (chemical, industrial, and biological) waste production have had a negative impact on specific environments and on the species that inhabit them. An attempt will be made to identify areas of future adverse human impact and to evolve remedial solutions. Credit may not be counted toward the biology major.

393 Biological Engineering and Society (3) Explores anticipated technological advances and products in pharmaceuticals, medicine, and agribusiness; laboratory procedures including bio-safety restrictions to protect researchers and the environment; and the costs, benefits, and ethical implications for society of these rapidly changing new technologies. Credit may not be counted toward the biology major.

406 Techniques of Electron Microscopy (4) Laboratory instruction in fixation and inbedding of biological material, ultramicrotomy, and the operation of the transmission electron microscope and scanning electron microscope. Two hours lecture and six hours laboratory. Prerequisites: Biology 305 and consent of the instructor.

410 Human Heredity (3) Review of genetics from a human perspective. Subject areas covered include DNA structure and replication, chromosomes and cytogenetics; Mendelian inheritance; dominant and recessive alleles; the genetics of sex; mutations and mutatagenesis; inherited traits; pedigrees; genetic diseases including inborn errors of metabolism; and genetic therapy. Credit may not be counted towards the biology major.

428 Molecular Mechanisms in Development (3) An in-depth analysis of current understanding of the biochemical basis for gene regulation and of the process of cellular differentiation and morphogenesis. Prerequisite: Biology 324.

440 Endocrinology (3) A survey of hormone types with emphasis on vertebrate examples, their biochemical composition and physiological interrelationships. A considerable part of the course will consider the molecular mechanisms of action. Prerequisites: Biology 201, 202 and Chemistry 301.

450 Neurobiology (3) Introduction to invertebrate and vertebrate nervous systems, including anatomical organization. Focus on cellular/biochemical approaches to understanding neuronal development and functioning, synaptic transmission, the specificity of neuronal action and the complexity of nerve system functioning. Prerequisite: Chemistry 301.

460 Immunology (3) Whole body immune response followed by an analysis of the cellular and biochemical basis. Includes the generation of antibody diversity, T and B lymphocyte functioning, other participating cell types, immune tolerance and its development, and autoimmune disease.

489 Introduction to Laboratory Research (2) A research project in the laboratory or field, generated in collaboration with a biology faculty member. The project may be continued for an additional semester as part of Biology 499.

491 Human Physiology (4) A survey of body systems, how they function, and how they can malfunction leading to disease. Includes respiration, nutrition, waste removal, reproduction including birth, embryonic development, muscular movement, and exercise. Credit may not be counted toward the biology major. Three hours lecture and three hours laboratory.

492 Stress Biology (3) Study of the physiological responses of mammals to extremes in their environment; temperature, hydrostatic and barometric pressure, emotional strain, water restriction, food deprivation, and exercise. Credit may not be counted toward the biology major.

498 Senior Library Thesis (2) In-depth reading and researching of the literature on current issues in biology. The student must consult with a biology faculty member to decide on the topic and then produce an approximately twenty-page paper with supporting citations that summarizes the current state of knowledge on the topic. Prerequisite: Consent of instructor.

499 Senior Laboratory Thesis (2) An original research project in the laboratory or field, generated in collaboration with a biology faculty member. Prerequisites: At least one course related to the subject area completed with a B or better, Biology 489, and consent of instructor.

CHEMISTRY

Discipline Office: Arts and Science Building
1245 Stone Dr.
San Marcos, CA 92069
Telephone: (619) 591-3270

Faculty:
Steven C. Welch, Ph.D.

The University does not offer a program in chemistry at this time. The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered to support other programs and/or the General Education or CSU, San Marcos Graduation requirements.

101 General Chemistry (5)
102 General Chemistry (5) A two semester course designed to introduce the student to basic chemical principles. The areas covered are: the general principles of chemistry with emphasis on inorganic materials, atomic structure, chemical bonding, chemical formulas, nomenclature, the periodic table, solutions, gas laws, thermodynamics, kinetics, qualitative analysis, stoichiometry, acid/base chemistry, oxidation/reduction, as well as the chemical and physical properties of the more common chemical elements. The laboratory experiments are designed to complement the lecture material and illustrate the basic techniques of analytical, inorganic and physical chemistry. Each course has three hours of lecture and six hours of laboratory. Prerequisite: Completion of the entry-level mathematics (ELM) requirement. Recommended: High-school chemistry.

201 Analytical Chemistry (5) Designed to introduce the student majoring in science to basic principles and techniques of analytical chemistry. The areas covered are: calculations and data evaluation, preparation of standardized reagents, theory and methods of separation, applications of volumetric, gravimetric, and instrumental methods of analysis. The laboratory experiments are designed to complement the lecture material and illustrate the techniques of analytical chemistry. Three hours of lecture and six hours of laboratory. Prerequisites: Chemistry 101, 102, and Mathematics 160 with a minimum grade of C.

202 Instrumental Methods of Analysis (5) Designed to introduce the student majoring in science to basic theory and practical application of instrumental methods of chemical separation and analysis. The areas covered are: chromatography, spectrometry, electroanalytical methods, thermal methods, radiochemical methods, and computer data acquisition. The laboratory experiments are designed to complement the lecture material as well as illustrate theory and application in the acquisition and statistical analysis of data on chemical systems. Three hours of lecture and six hours of laboratory. Prerequisites: Chemistry 201 and Mathematics 160 with a minimum grade of C.

210 Inorganic Chemistry (3) Designed to introduce the student majoring in science to inorganic chemistry. The areas covered are: chemical bonding, structure, features of the periodic table, the chemical and physical properties of the more common inorganic elements, acid/base chemistry, oxidation/reduction, non-aqueous solvents, coordination chemistry, solid state chemistry, organometallic chemistry, as well as synthesis and characterization of complex inorganic compounds. Prerequisites: Chemistry 101, 102, and Mathematics 160 with a minimum grade of C.

211 Inorganic Chemistry (5) A continuation of Chemistry 210. The areas covered are: chemical bonding, structure, features of the periodic table, the chemical and physical properties of the more common inorganic elements, acid/base chemistry, oxidation/reduction, non-aqueous solvents, coordination chemistry, solid state chemistry, organometallic chemistry, as well as synthesis and characterization of complex inorganic compounds. The laboratory experiments are designed to complement the lecture material and illustrate and basic techniques of inorganic chemistry. Three hours of lecture and six hours of laboratory. Prerequisites: Chemistry 101, 102, 210, and Mathematics 160 with a minimum grade of C.

300 Literature of Chemistry (2) The practical application and use of the chemical literature with emphasis on searching Chemical Abstracts (by both bound hardcopy and computer), Beilstein, Current Contents, Index Chemicus, Science Citation Index, patent literature, standard reference works, journals and review literature. Prerequisite: Upper-division standing in chemistry.

301 Organic Chemistry (5) Designed to introduce the student majoring in science to the properties of organic compounds. The areas covered are: bonding, structure, stereochemistry, nomenclature, chemical and physical properties of each functional group, acid/base phenomena, reaction mechanisms and kinetics, organic synthesis, and an introduction to spectroscopic structure determination. The laboratory experiments are designed to complement the lecture material and illustrate the basic techniques or organic chemistry. Three hours of lecture and six hours of laboratory. Prerequisites: Chemistry 101 and 102 with a minimum grade of C.

302 Organic Chemistry (5) Designed to introduce the student majoring in science to the properties of organic compounds. The areas covered are: bonding, structure, stereochemistry, nomenclature, chemical and physical properties of each functional group, acid/base phenomena, reaction mechanisms and kinetics, organic synthesis, and an introduction to spectroscopic structure determination. The laboratory experiments are designed to complement the lecture material and illustrate the basic techniques or organic chemistry. Three hours of lecture and six hours of laboratory. Prerequisites: Chemistry 101, 102, and 301 with a minimum grade of C.

303 Bio-organic Chemistry (3) Designed to introduce the student majoring in science to principle areas in bio-organic chemistry. The areas covered are: the structure and biosynthesis of carbohydrates, lipids, peptides, and nucleotides as well as biomolecular conformation and dynamics. Prerequisites: Chemistry 301 and 302 with a minimum grade of C.

304 Biochemistry (5) Designed to introduce the student majoring in science to principle areas in biochemistry. Areas which may be covered but are not limited to include: enzyme kinetics and regulation; generation and storage of metabolic energy; basic crystallography and structure of proteins, molecular modeling, membrane structure and pharmaceutical biochemistry. The laboratory experiments are designed to complement the lecture material and illustrate the basic techniques of biochemistry. Three hours of lecture and six hours laboratory. Prerequisites: Chemistry 301, 302, and 303 with a minimum grade of C and concurrent registration in Chemistry 401.

305 Polymer Chemistry (3) Designed to introduce the student majoring in science to principle areas in polymer chemistry. The areas covered are: the structure, characterization, synthesis, rheology, chemical and physical properties of organic macromolecules. Prerequisites: Chemistry 301 and 302 with a minimum grade of C.

311 Chemicals and the Environment (3) A survey course on chemicals of natural and industrial origin found in the environment, with emphasis on the chemical reactions of these substances and the effect on the quality of life on planet Earth. This course is intended for the non-chemistry major. The areas covered are: chemical structures, inorganic and organic chemicals of natural and synthetic origins and the reactions of these chemicals, the effects of these chemicals on the environment (the atmosphere, soil, water ways, plants, and animals, especially human nutrition and health).

312 Biochemicals of Importance (3) A survey course on the structure and properties of bio-organic and biochemical compounds important to life, health and nutrition. This course is intended for the non-chemistry major. The areas covered are: atomic and molecular structure, chemical and physical properties of bio-organic functional groups, amino acids, proteins, enzymes, hormones, carbohydrates, fats, nucleic acids, digestion, nutrition, body fluids, energy in living organisms, and metabolism.

401 Physical Chemistry (4) Designed to introduce the student majoring in science to basic physical chemical principles. The areas covered are: gas laws, chemical equilibria, thermodynamics, kinetics, electrochemistry, statistical mechanics, quantum mechanics, photochemistry, atomic and molecular structure, and spectroscopy. The laboratory experiments are designed to complement the lecture material as well as illustrate theory and application in the acquisition and statistical analysis of physical measurements on chemical systems. Three hours of lecture and three hours of laboratory. Prerequisites: Chemistry 101, 102, and 201, Mathematics 260 and Physics 203 with a minimum grade of C.

402 Physical Chemistry (4) Designed to introduce the student majoring in science to basic physical chemical principles. The areas covered are: gas laws, chemical equilibria, thermodynamics, kinetics, electrochemistry, statistical mechanics, quantum mechanics, photochemistry, atomic and molecular structure, and spectroscopy. The laboratory experiments are designed to complement the lecture material as well as illustrate theory and application in the acquisition and statistical analysis of physical measurements on chemical systems. Three hours of lecture and three hours of laboratory. Prerequisites: Chemistry 101, 102, 201, 401, Mathematics 260 and Physics 203 with a minimum grade of C.

410 Advanced Analytical Chemistry (3) Designed to introduce the student majoring in science to advanced methods of analytical chemistry. The areas covered are: acid/base and complexation equilibria, oxidation/reduction reactions, electroanalytical methods, and separation techniques. Prerequisites: Chemistry 201, 202, and Mathematics 160 with a minimum grade of C.

412 Advanced Biochemistry (3) Designed to introduce the student majoring in science to advanced biochemistry. Areas which may be covered but are not limited to include: enzyme kinetics and regulations; generation and storage of metabolic energy; genetic information and molecular biology; and molecular physiology. Corequisite: Chemistry 401. Prerequisites: Chemistry 301, 302, 303, and 304 with a minimum grade of C.

414 Advanced Inorganic Chemistry (3) Designed to introduce the student majoring in science to advanced inorganic chemistry. The areas covered are: advanced chemical bonding, symmetry, and structure, the chemistry of the transition metals and the nonmetals, coordination chemistry, solid state chemistry, and organometallic chemistry. Prerequisites: Chemistry 210, 211, and Mathematics 260 with a minimum grade of C.

416 Structure Determination of Organic Compounds (4) Designed to introduce the student majoring in science to basic theory and practical application of instrumental methods used in the determination of the structure of organic compounds. The areas covered are: mass, infrared, ultraviolet, and proton and carbon-13 nuclear magnetic resonance spectroscopy. The laboratory experiments are designed to complement the lecture material and illustrate the basic techniques of spectroscopic determination of organic compounds. Three hours of lecture and three hours laboratory. Prerequisites: Chemistry 301 and 302 with a minimum grade of C.

417 Advanced Organic Chemistry: Reactions and Synthesis (3) Designed to introduce the student majoring in science to advanced methods of organic chemistry: modern reagents, reactions, and synthesis. The areas covered are: stereochemistry and conformational analysis, carbon-carbon single and multiple bond formations, halogenation, catalytic hydrogenation, hydride reductions, metal reductions, hydrazine and hydrazine derivatives, oxidation, and synthetic strategy. Prerequisites: Chemistry 301 and 302 with a minimum grade of C.

418 Advanced Organic Chemistry: Structure and Mechanisms (3) Designed to introduce the student majoring in science to advanced methods of organic chemistry: structure and mechanisms. The areas covered are: bonding, stereochemistry and conformational analysis, thermodynamics, kinetics, isotope effects, solvent effects, nucleophilic substitution, polar addition reaction, elimination reactions, nucleophilic carbon species, reactions of carbonyl compounds, aromaticity, aromatic substitution, concerted reactions, free-radical reactions, and photochemistry. Prerequisites: Chemistry 301 and 302 with a minimum grade of C.

419 Advanced Physical Chemistry: Modern Physical Chemistry (3) Designed to introduce the student majoring in science to advanced methods of physical chemistry: quantum mechanics, statistical mechanics, symmetry, bonding, molecular structure, and spectroscopy. Prerequisites: Chemistry 401, 402, and Mathematics 260 and Physics 203 with a minimum grade of C.

420 Advanced Physical Chemistry: Kinetics and Thermodynamics (3) Designed to introduce the student majoring in science to advanced methods of physical chemistry: thermodynamics of gaseous and condensed phase chemical systems as well as the mechanisms and rates of chemical reactions. Prerequisites: Chemistry 401, 402, and 410 and Mathematics 260 and Physics 203 with a minimum grade of C.

490 Selected Topics in Analytical Chemistry (3) A survey course of selected topics from the current chemical literature in analytical chemistry. May be repeated for credit as topics change. Prerequisites: Chemistry 201, 202, and Mathematics 160 with a minimum grade of C.

491 Selected Topics in Biochemistry (3) A survey course of selected topics from the current chemical literature in biochemistry. May be repeated for credit as topics change. Prerequisites: Chemistry 303 and 304 with a minimum grade of C.

492 Selected Topics in Inorganic Chemistry (3) A survey course of selected topics from the current chemical literature in inorganic chemistry. May be repeated for credit as topics change. Prerequisites: Chemistry 210, 211, and Mathematics 160 with a minimum grade of C.

493 Selected Topics in Organic Chemistry (3) A survey course of selected topics from the current chemical literature inorganic chemistry. May be repeated for credit as topics change. Prerequisites: Chemistry 301, 302, and Mathematics 160 with a minimum grade of C.

494 Selected Topics in Physical Chemistry (3) A survey course of selected topics from the current chemical literature in physical chemistry. May be repeated for credit as topics change. Prerequisites: Chemistry 401, 402, and Mathematics 260 with a minimum grade of C.

498 Senior Library Thesis and Seminar (2) An in-depth reading and researching of the literature on current issues in chemistry. The student must consult with the faculty member in the discipline to decide on the subject and then produce a research paper (~ 10–20 pages) with a list of literature citations in American Chemical Society style. The research paper (thesis) must summarize the current state of knowledge on the subject. The student will defend the thesis in a seminar to the faculty and students in chemistry. Prerequsite: Consent of the instructor.

499 Senior Laboratory Thesis and Seminar (2) An original research project in the laboratory or in collaboration with a faculty member in the discipline. The student must consult with the discipline faculty member to decide on the research problem and then produce a research paper (~10–20 pages) with a list of literature citations in American Chemical Society style. The research paper (thesis) must summarize the current state of knowledge on the research problem as well as the progress in the laboratory experiments aimed at the completion of the research project. The student will defend the thesis in a seminar to the faculty and students in chemistry. Prerequisites: One course in the subject area with a grade of B or better and consent of the instructor.

COMPUTER SCIENCE

Discipline Office: Building 135
Telephone: (619) 471-3562

Faculty:
Rochelle Boehning, Ph.D.

The University does not offer a program in computer science at this time. The mathematical sciences major offers an option in computer science. Students are encouraged to select that option if they are interested in a computer science emphasis. The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered to support other programs and/or the General Education or CSU, San Marcos Graduation requirements.

112 Computer Literacy (2) An introduction to the potential of microcomputers, societal issues relating to widespread use of computers, historical perspectives; word processing, spreadsheets, database management, communications, operating systems, editors; mainframes, workstations, networking. No credit is allowed for this course if the student has prior credit in any other computer-related course. Credit may not be counted towards the mathematical sciences major.

150 Introduction to Computer Programming (3) A first course in computer science which emphasizes programming methodology and problem-solving. Students will formulate, represent, and solve problems using the computer. Top-down design and stepwise refinement will be stressed throughout the course. A block-structured, high-level language such as Pascal will be used for the specification and implementation of algorithms. Prerequisite: Completion of the Entry-Level Mathematics (ELM) requirement.

152 Intermediate Computer Programming (3) A continuation of program design and development. Introduction to data structures: stacks, queues, linear lists, trees, sets. Pointers and recursion. Implementation and analysis of sorting and searching algorithms. Extensive programming in Pascal. Prerequisite: Computer Science 150.

250 Assembly Language (3) The structure of computers, number and character representation, word and instruction formats, flowcharting, machine and assembly language programming, address modification, indexing, indirect addressing, subroutines, and mnemonic interpreting systems. Prerequisite: Computer Science 150 or equivalent.

300 Computer Software Systems (4) Introductory data structures: stacks, queues, lists and trees. Pointers, recursion and dynamic storage allocation using the C language. Computer arithmetic and assembly language programming. Prerequisite: Computer Science 150. Students may not take Computer Science 300 if Computer Science 250 was taken for credit toward the computer science option.

304 Issues in Computer Science (3) Descriptive overview of selected issues which have shaped the field of computer science: language and terminology, historical background, early computing devices, computing since World War II, modern devices; errors, security, viruses; impact on people and social institutions. Credit may not be counted towards the mathematical sciences major. Prerequisite: Mathematics 120.

350 Data Structures (3) Design, manipulation and implementation of abstract data structures. Stacks, queues, linked lists, multi-linked list structures, trees, graphs. Searching and sorting algorithms, dynamic storage allocation, garbage collection and compaction. Prerequisite: Computer Science 152 or equivalent.

352 Programming Languages (3) Survey and critical comparison of a variety of programming languages. Issues include syntax, semantics, control structures, data representation, and language implementation. Programming in LISP, Prolog and/or other languages. Prerequisite: Computer Science 152 or equivalent.

354 Computer Architecture and Logic (3) Logical design of digital computers; synthesis of system from basic components; combinatorial models; computer arithmetics, memories, access, circuits, processors, input/output. Laboratory exercises involve logical, functional, and electrical properties of computer components. Corequisite or Prerequisite: Mathematics 370. Prerequisite: Computer Science 250 or 300.

356 Computer Organization (3) A study of the functional organization and sequential operation of digital computers. The major components of a computer will be discussed. Introduction to machine instruction architectures and design. The study of the internal operations during program execution. Several computer architectures will be studied. Prerequisites: Computer Science 350 and either Computer Science 250 or Computer Science 300.

358 File Systems (3) Techniques of data handling with bulk storage devices using a high-level language. Characteristics and utilization of a variety of storage devices will be covered. Topics include records, blocks, files, databases, sequential and random access files and file manipulation algorithms. Prerequisite: Computer Science 350.

450 Analysis of Algorithms (3) Study of algorithms; efficient, optimal algorithms and analysis for best, worst, and average performance; computational complexity theory; algorithmic time and space bounds; levels of intractability; applications. Prerequisites: Computer Science 350 and Mathematics 370.

452 Operating Systems (3) Operating system design and implementation; process management, processor scheduling; deadlocks, memory management, auxiliary storage management, file management; performance analysis, networks and security; comparison of systems. This course will combine theoretical ideas with hands-on laboratory experience. Prerequisite: Computer Science 350.

460 Artificial Intelligence (3) Techniques of artificial intelligence including study of expert systems, natural language processing, search strategies, computer vision and robotics. The languages used will be LISP and Prolog. Prerequisite: Computer Science 350.

464 Numerical Analysis and Computing (3) Computer arithmetic, solution of a single algebraic equation, solution of systems of equations, interpolating polynomials, numerical integration, numerical solution of ordinary differential equations; error analysis and computational effort of numerical algorithms. This course will combine theoretical ideas with hands-on laboratory experience. (Also offered as Mathematics 464. Students may not receive credit for both.) Prerequisites: Mathematics 162 and Computer Science 150.

470 Software Engineering (3) Principles, techniques and tools used to effect the orderly production of medium and large scale computer programs will be studied. These techniques will be applied to programming projects with students working in teams and managing all phases of a programming project. Prerequisite: Computer Science 350.

474 Algorithms for Parallel Processing (3) Techniques for writing programs for multiprocessors. This will include data partitioning and functional partitioning for algorithms to be used on Single Instruction-Multiple Data Computers and on Multiple Instruction-Multiple Data Computers. Prerequisite: Computer Science 350.

476 Database Management Systems (3) A study of the concepts and structures necessary to design and implement a database management system. File organization, index organization, security, data integrity and reliability, data description and query languages will be studied within hierarchial, network and relational models. A commercially available relational database management system will be used. Prerequisite: Computer Science 358.

490 Senior Seminar (3) Presentation and discussion of selected topics in Computer Science in order to supplement available offerings. Prerequisite: Senior standing in Computer Science and consent of adviser.

495 Internship in Computer Science (3) Faculty-sponsored academic internship in business, industrial, government, or research firm. Prerequisite: Consent of the faculty sponsor.

498 Individual Study in Computer Science (1–3) Individually directed reading and study in Computer Science literature. May be repeated for a maximum of three units. Prerequisite: Senior standing in Computer Science and consent of supervising instructor.

499 Independent Research in Computer Science (1–3) Designed for students capable of independent and original research. May be repeated for a maximum of three units. Prerequisites: Senior standing in Computer Science and consent of research supervising instructor.

ECONOMICS

Discipline Office: Building 135
Telephone: (619) 471-3562

Faculty:
Roger A. Arnold, Ph.D.

Programs Offered:

Bachelor of Arts in Economics
Minor in Economics

The student majoring in economics will acquire a set of analytical tools and a way of thinking that will help him or her to better understand and predict the behavior of individuals, groups, and societies. Learning economics does for the undergraduate student what corrective lenses do for the person with impaired eyesight: it brings the world into focus. Things that were invisible become visible, the complex and hard to understand become simple and easily understood.

Economics is the study of human behavior as it relates to the condition of scarcity: that is, the condition where resources are limited in relation to human wants. An important part of economics is the study of how individuals, groups, and societies deal with scarcity through markets or exchange-like institutions. Economic theory is sufficiently powerful to explain many varieties of exchange relationships. This is evident in the number of fields in which economic analysis is currently utilized. The list includes business, history, law, psychology, political science, and sociology.

Economics has always been a highly-respected field of study, but in the past three decades its reputation has soared. There are perhaps three major reasons for this. First, many people have come to realize that economics plays an important role in their everyday lives. Recession, inflation, the exchange value of the dollar, the savings rate, interest rates, taxes, mergers, government expenditures and economic growth all matter. They touch lives, they affect dreams. Second, economists have developed better tools and more refined methods of analysis: they have successfully extended their analytical apparatus and the economic way of thinking beyond the traditional confines of the science. Third, the one language that is becoming increasingly more universal is the language of economics. The American business person may not speak Japanese, and the Japanese business person may not speak English, but both of them know the language of supply and demand, profits, production, costs, international trade, and competition. Both of them know the language of economics.

Educational and Career Opportunities

The major in economics provides the undergraduate student with a solid academic background for graduate study in a wide variety of areas. The most relevant areas include economics, business, and law. Career opportunities include positions in business, banking, journalism, government, law, and teaching. Economists are well represented in occupations in both the private and public sectors. Students interested in knowing more about educational and career opportunities in economics are invited to speak with members of the economics faculty.

Preparation

High school students are encouraged to take four (4) years of English, three to four (3–4) years of mathematics, and an economics course (if available).

Transfer Students

Students may transfer a maximum of six (6) lower-division semester units in economics and a maximum of (6) upper-division semester units in economics may be applied toward the economics major. Three of the six lower-division semester units must be in a course that clearly fits the course description in this catalog for Economics 201; three must be in a course that clearly fits the course description for Economics 202. Upper-division semester units must be in courses that clearly fit the course description in this catalog for any upper-division level course and satisfy any conditions or prerequisites. However, at least one of the two required upper-division theory courses (Economics 301 or 302) must be completed at CSU, San Marcos. All transfer courses must at least be equal in scope, content, and level to the equivalent CSU, San Marcos course.

Special Requirements for the Bachelor of Arts and the Minor in Economics

Each course counted towards the major or the minor must be completed with a grade of C (2.0) or higher. No more than three (3) units of Economics 481 may be counted toward the major or minor; no more than three (3) units of Economics 497 may be counted toward the major.

BACHELOR OF ARTS IN ECONOMICS

Graduation Requirements

Total Units required	**124**
General Education units	49
Non-Economics supporting units	12
Lower-Division Economics units	6
Upper-Division Economics units	24
Elective units	33

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Non-Economics Supporting Courses (12 units)

	Units
Business Administration 201	3
Business Administration 301	3
Mathematics 130	3
Mathematics 132	3

Lower Division (6 units)	**Units**
Economics 201 Principles of Microeconomics	3
Economics 202 Principles of Macroeconomics	3

Upper Division (24 units)	**Units**
Economics 301 Intermediate Microeconomic Theory	3
Economics 302 Intermediate Macroeconomic Theory	3
Upper-division elective courses to be selected by students in consultation with their academic adviser. At least (9) of the units must be at the 400 level	18

MINOR IN ECONOMICS

Lower Division (6 units)	**Units**
Economics 201 Principles of Microeconomics	3
Economics 202 Principles of Macroeconomics	3

Upper Division (24 units)	**Units**
Economics 301 Intermediate Microeconomic Theory	3
Economics 302 Intermediate Macroeconomic Theory	3
Upper-division elective courses to be selected by students in consultation with their academic adviser. At least three (3) of the units must be at the 400 level	9
Total Units required	**21**

ECONOMICS COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

201 Principles of Microeconomics (3) An introduction to microeconomic theory and analysis. Includes supply and demand analysis, theory of the firm, cost and production theory, product and factor market models, microeconomic problems and policies.

202 Principles of Macroeconomics (3) An introduction to macroeconomic theory, problems, and policy. Includes macroeconomic measurements, inflation, unemployment, income and price level determination, expectations theory, money and banking, and fiscal and monetary policy.

250 Introduction to Economics (3) An introduction to economic theory, problems, and policies. Includes supply and demand analysis, cost and production theory, microeconomic problems and policies, macroeconomic measurements, inflation, unemployment, money and banking, and fiscal and monetary policy. Credit may not be counted toward the economics or business major. Course content includes some topics discussed in Economics 201 and 202, and it does so at the same level of analysis as in these two courses. Not open to students who have obtained credit for, or are required to take, either Economics 201 or 202.

301 Intermediate Microeconomic Theory (3) The theory of prices and markets. Includes demand theory, theory of the firm, cost and production theory, market structure analysis, and microeconomic problems and policies. Prerequisites: Economics 201 and 202.

302 Intermediate Macroeconomic Theory (3) An analysis of aggregate economic activity. Includes the determination of income, output, employment, and the price level; and the analysis of fiscal and monetary policy. Prerequisites: Economics 201 and 202.

305 Economics and Other Social Sciences (3) Economic tools, concepts, and ways of thinking are applied to political science, psychology, and sociology. Includes an analysis of the individual's behavior in private, family, social, and political settings.

306 Economics, Philosophy, and Politics (3) The economics, philosophy, and politics of representative democracy. Includes the economic bases of government action, alternative models of government and economic policy decision-making, an economic analysis of political actors, and the origins and effects of modern-day economics policies. Credit may not be counted towards the economics major. Economics majors interested in the subject matter covered in this course are advised to take Economics 411.

311 Comparative Economic Systems: Historical, Theoretical, and Evolutionary Aspects (3) The study of different economic systems. Includes a study of the pure models of capitalism and socialism, an examination of actual economies where capitalist tendencies prevail, an examination of actual economies where socialist tendencies prevail, and the evolutionary aspects of economic systems. Prerequisites: Economics 201 and 202, or 250, or consent of instructor.

321 History of Economic Thought (3) An analysis of the ideas of major economic thinkers and schools of thought. Prerequisites: Economics 201 and 202, or 250, or consent of instructor.

331 Money and Banking (3) The role of money in the economy. Includes an examination of the banking system, the money supply process, money demand, alternative monetary theories, and the instruments and effects of monetary policy. Prerequisites: Economics 201 and 202.

411 Public Choice (3) Application of economic theory and methodology to the study of public-sector decision-making. Includes the theory of the state, voting rules, voter behavior, party politics, the bureaucracy, and special interest groups. Issues such as rent-seeking and constitutional choice are also examined. Prerequisites: Economics 201, or 250, or 305, or 306, or consent of instructor.

415 Law and Economics (3) Economic tools, concepts, and ways of thinking are used to study the law. Includes common law and economic efficiency, contract law, torts law, family law, the law of business organizations and financial markets, and the economics of property. Prerequisites: Economics 201 and 202, or 250, or consent of instructor.

421 Public Finance (3) Theoretical and institutional analysis of government expenditure and taxation policies. Includes the public economy, the fiscal decision process, federal expenditures and taxation. Prerequisites: Economics 201 and 202, or consent of instructor.

426 Urban and Regional Economics (3) Economic theory applied to urban and regional economic problems and policies. Includes location and growth of cities, intra-metropolitan distribution of firms and residences, externalities, urban fiscal problems, government policies relating to pollution, housing, education, land use. Prerequisites: Economics 201 and 202, or consent of instructor.

431 Labor Economics (3) The study of the labor market. Includes an analysis of labor demand, supply, and wage rates; the measurement, type, and causes of unemployment; the effect of labor unions on wage rates and resource allocation. Prerequisites: Economics 201 and 202.

441 International Economics (3) International trade, finance, and policy. Includes exchange rate regimes, balance of payments, tariffs and quotas, national income determination in an open economy, and emerging international economic arrangements. Prerequisites: Economics 201 and 202.

451 The Economics of Antitrust and Regulation (3) The economic analysis of government policies designed to change or maintain market structures and the effects of these policies. Prerequisites: Economics 201 and 202.

461 Managerial Economics (3) Economic theory as it applies to specific business situations and decisions. Includes theory of the firm, demand analysis and estimation, cost and production theory, market structure and pricing. Prerequisites: Economics 201, 202, and Business Administration 301.

465 Industrial Organization (3) A theoretical and empirical economic approach to the study of American industry. Includes monopoly and oligopoly theory, effects of concentration, barriers to entry, economics of scale. Prerequisites: Economics 201, 202, and Business Administration 301.

471 Econometrics (3) Application of statistical methods used in economics. Includes linear regression analysis, multicollinearity, autocorrelation, heteroscedasticity, simultaneous equation estimation, hypothesis testing, time series analysis. Prerequisites: Economics 201, 202, and Business Administration 301.

481 Special Topics in Economics (3) Emphasis is placed on new areas and new theoretical developments in economics and on currently high-interest topics in any of the subdisciplines of economics. Course may be repeated as topics change but no more than three (3) units may be counted towards the major. Prerequisites: Economics 201 and 202. Recommended: Economics 301 and 302.

491 Seminar in Applied Research (3) In this course the student will be guided and advised in terms of developing, structuring, and implementing an applied economics research project. The student will make use of the tools of economics, statistics, and a statistics software package to carry out the project. Prerequisites: Economics 201, 202, 301, 302 and Business Administration 301.

497 Independent Study (3) Individual research and study under the direction of a faculty member in economics. Study plan must be approved by the fourth week of classes. Course may be repeated, but no more than three (3) credit units may be counted toward the major. Prerequisites: Economics major, senior standing, and consent of instructor.

ENGLISH

Discipline Office: Building 135
Telephone: (619) 471-3562

Faculty:
Kenneth P. Mendoza, Ph.D.
Richard R. Rush, Ph.D.

Programs Offered:

Bachelor of Arts in English
Minor in English

English is a general major designed to give students basic skills central to all educated human beings: the ability to read with comprehension and critical judgment, to communicate with precision and clarity, to grasp difficult ideas and think logically, to do research and organize materials effectively, to make moral and ethical judgments from a historical and humanistic framework, and to appreciate literature and the arts.

The English major consists of courses in literary history, literary genre, major authors, and composition. The literature courses contain works from a wide range of historical periods, countries, and cultures. The composition courses include a variety of specialties, such as fiction writing, poetry writing, and technical writing. In addition, this discipline offers courses in film, journalism, popular culture, women's studies, and methods of research.

Students majoring in other disciplines will find that a minor or electives in English will provide them with skills directly relevant to their chosen professions. English majors and minors are being looked upon today with special favor by employers who seek skills in writing and thinking, the ability to communicate clearly to others, and a general knowledge of people and experiences gained from a study of literature. Finally, English has rich ties with other liberal arts fields such as philosophy, history, music, art, theater, foreign languages, psychology, sociology, and linguistics.

English has a broad application to a variety of vocations: teaching, law, medicine, journalism, editing and publishing, advertising, business management, radio and television broadcasting, data processing, film and library work, public office, public relations, and many others. English majors in recent years have profited from increased job availability in the United States, and the current demand for more teachers in the public schools suggests a future need for English majors in the teaching area.

For students who wish to continue their education beyond the baccalaureate degree, the English major at CSU, San Marcos is an excellent preparation for graduate study at either the master's or the doctorate level.

Special Conditions for the Bachelor of Arts in English

1. Courses taken to satisfy General Education requirements may not be used to satisfy the major requirement.
2. Credit/No Credit grading is not permitted in courses required for the major.
3. Elective units in English may be used toward a minor in another discipline. Consult the appropriate program coordinator, or faculty adviser for further information.

BACHELOR OF ARTS IN ENGLISH

Graduation Requirements

Total Units required 124

General Education units 49

Upper-Division English units 33

Elective units 42

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Upper Division (33 units) **Units**

Choice of three of the following courses: 9

English 340	English Literature: Medieval
English 341	English Literature: Renaissance
English 342	English Literature: Restoration and 18th Century
English 343	English Literature: 19th Century Romantics
English 344	English Literature: 19th Century Victorians
English 345	English Literature: the 20th Century

Choice of two of the following courses: 6

English 350	American Literature to the Civil War
English 351	American Literature: Civil War to World War I
English 352	American Literature: World War I to the Present

One course from each of the following: 6

English 400	Major Authors
English 401	Topics for Literary Study

Twelve units of approved upper-division electives in English 12

MINOR IN ENGLISH

Students in many vocational fields often find that special skill in writing is useful in their future work. The minor is intended to give that skill to students majoring in a vocational field in which writing could prove useful. The minor consists of fifteen (15) units of upper-division course work and three (3) units of lower, preparatory course work. Courses taken for Credit/No Credit grading may not apply to the minor.

Lower Division (3 units) **Units**

One of the following courses:..... 3

English 210 Technical Writing
English 212 Writing for Journalists
English 215 Non-Fiction Writing

Upper Division (15 units)

English 400 Major Authors 3

English 401 Topics for Literary Study..... 3

Nine units of approved electives in English..... 9

Total Units..... 18

ENGLISH COURSES

Note: The non-baccalaureate and lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

050 Basic Writing Skills (1-3) Instruction and supervised practice in fundamental problems of writing. Intended primarily for students who need more elementary composition work before attempting English 100 or more advanced courses. Must be taken for Credit/No Credit grade only and is not applicable to the requirements of a baccalaureate degree. Concurrent enrollment in English 051 may be required. All students enrolling in English 050 must have taken the CSU English Placement Test. May be repeated for a maximum of three units.

051 Basic Writing Skills Lab (1-2) Laboratory for students who need individualized writing instruction and exercises. May be taken concurrently with English 050. Must be taken for Credit/No Credit grade only and is not applicable to the requirements for a baccalaureate degree. May be repeated for a maximum of two units.

100 College Composition (3) Theory and practice of composition for students with college-level competence in written English. Themes chiefly expository or analytical, including one paper involving use of library and documentation. Concurrent enrollment in English 051 may be required. Prerequisites: Any one of the following test scores or successful performance in English 050: CSU English Placement Test, T151 or E8 or above; SAT-Verbal, 510 or above; CSU English Equivalency Examination, satisfactory score; English Composition Examination of College Board Advanced Placement Program, 3,4, or 5; ACT English Usage Test, 23 or above; College Board Achievement Test in English Composition with Essay, 600 or above.

110 Critical Reading and Writing (3) Critical reading and written analysis of various kinds of writing. Special attention to the use of metaphoric language, the function and meaning of symbols, the structure of arguments, the use of logic, and value of imaginative writing. Prerequisite: English 100.

200 Research Methods in English (3) Introduction to research methods, documentation, biographical research, questions of authorship, problems of establishing accurate texts, historical bibliography, editing of texts, and the general profession of literary studies. Research assignments, reports, written examinations.

210 Technical Writing (3) Workshop in the writing of specialized information. Designed for students interested in vocation-related writing skills. Special emphasis on various forms of technical communication: reports, manuals, proposals, and grants. Appropriate readings and analysis of successful and clear technical prose.

212 Writing for Journalists (3) Designed for students seeking mastery of written English skills for a career in journalism. Focus on the basic elements of factual and persuasive writing, editing, communications theory, and ethical responsibility of mass communication. Appropriate readings and analysis.

215 Non-Fiction Writing (3) Introduction to the various forms of English writing other than poetry, drama, and fiction: the essay, autobiography, narrative, literary criticism, and others. Appropriate readings and analysis.

220 Classical Mythology (3) Introduction to the mythical stories and legends found in Greek and Roman art, literature, and religion, as well as in the western world for the past two thousand years. Appropriate readings and analysis.

221 Literature of the Old Testament (3) Discussion and written analysis of selected texts from

the Hebrew Bible. Special attention to the sources and styles of biblical literary techniques.

222 Literature of the New Testament (3) Discussion and close written analysis of selected texts from the New Testament. Special attention to the sources and styles of biblical literary techniques.

230 World Literature: Ancient (3) Ancient literature, principally Greek and Latin, in translation: Homer, Aeschylus, Sophocles, Euripides, Sappho, Virgil, Ovid, and others. Discussion and written analyses of works, themes, and influences.

231 World Literature: Medieval and Renaissance (3) Literature of the Middle Ages and Renaissance: Dante, Cevantes, Rabelais, Boccaccio, Petrarch, Murasaki, Tu Fu, Basho, and others. Discussion and written analyses of works, themes, and influences.

232 World Literature: 18th-19th Centuries (3) Discussion and written analysis of authors and works in translation. Selections may include Voltaire, Rousseau, Goethe, Wollstonecraft, Pushkin, the Brontes, Proust, and others.

233 World Literature: Modern (3) Focus upon major works in world literature during this century: Dostoyevsky, Ibsen, Mann, Kafka, Woolf, Mishima, Borges, Garcia Marquez, and others. Discussion and written analyses of works, themes, and influences.

310 Intermediate Expository Writing (3) An intermediate course in written composition. Emphasis is placed on developing variety in sentence and paragraph structure, using rhetorical modes to organize and develop longer papers, and practicing library research methods. Satisfies the Ryan Act requirement of competency in writing. Prerequisite: English 100.

340 English Literature: Medieval (3) English Medieval Literature: narrative poetry *(Beowulf, Sir Gawain and the Green Knight)*; lyric poetry; drama. Authors such as Chaucer and Malory. Discussion and written analyses of works, themes, and influences.

341 English Literature: Renaissance (3) Focus upon the drama and poetry of the English Renaissance: Jonson, Webster, Ford, Spenser, Donne, Herbert, Milton, and others. Discussion and written analyses of works, themes, and influences.

342 English Literature: Restoration and 18th Century (3) Focus upon drama, poetry, and the rise of the novel from 1660 to 1800: Dryden, Swift, Pope, Johnson, Boswell, Behn, and others. Discussion and written analyses of works, themes, and influences.

343 English Literature: 19th Century Romantics (3) The rise and development of the Romantic vision of the end of the 18th century and the beginning of the 19th: Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. Discussion and written analyses of works, themes, and influences.

344 English Literature: 19th Century Victorians (3) Focus upon the Victorian novel, poetry, and essay: Dickens, Hardy, Tennyson, Arnold, Hopkins, Carlyle, and others. Discussion and written analyses of works, themes, and influences.

345 English Literature: the 20th Century (3) Discussion and written analyses of selected poetry, drama, and fiction from 1900 to the present including such authors as Yeats, Joyce, Woolf, Lawrence, Golding, Lessing, and others.

350 American Literature to the Civil War (3) Themes such as puritanism and transcendentalism; authors such as Emerson, Thoreau, Hawthorne, Melville, Whitman, and others. Discussion and written analyses of major works and influences.

351 American Literature: Civil War to World War I (3) Themes such as realism and naturalism; authors such as Twain, James, Wharton, Crane, Dickenson, and others. Discussion and written analyses of major works and influences.

352 American Literature: World War I to the Present (3) Writers such as Eliot, Frost, Hemingway, Fitzgerald, Faulkner, Stevens, Pynchon, and others. Discussion and written analyses of major work and influences.

355 Literary Criticism (3) Major movements in critical thought in the 20th century, including such theorists as Heidegger, Derrida, Lacan, de Man, Iser, Bakhtin, Kristeva, Cixous, and others. Appropriate readings and analyses.

360 Fiction Writing (3) Workshop in fiction writing, with accompanying readings and analyses. May be repeated for a total of six units of credit.

361 Poetry Writing (3) Workshop in poetry writing, with accompanying readings and analyses. May be repeated for a total of six units of credit.

362 Playwriting (3) Workshop in the writing of drama, with accompanying readings and analyses. May be repeated for a total of six units of credit.

363 Screenwriting (3) Workshop in the writing of screenplays for the motion pictures or television, with appropriate readings and analyses. May be repeated for a total of six units of credit.

365 Studies in Popular Literature (3) Discussion and written analyses of literature that has popular appeal and reveals significant facts about the culture that consumes it. Topics might include Detective Fiction, Science Fiction and Fantasy, Literature of Horror and the Supernatural, the Historical Romance, and others. May be repeated for a total of six units of credit as topics change.

370 Women and Literature (3) Discussion and written analyses of literature by and about women. Authors might include the Brontes, George Eliot, Emily Dickinson, Edith Wharton, Virginia Woolf, and contemporary writers such as Alice Walker, Adrienne Rich, and Maxine Hong Kingston. May be repeated for a total of six units of credit as topics change.

380 Studies in Film (3) Discussion and close written analysis of selected topics in film, such as The Films of Alfred Hitchcock, The Western, The Horror Films of Stephen King, Musicals, and others. May be repeated for a total of six units of credit as topics change.

400 Major Authors (3) Reading and written analysis of the major works of an individual author such as Shakespeare, Milton, Joyce, Austen, Chaucer, and others. May be repeated for a total of nine units of credit as topics change.

401 Topics for Literary Study (3) Individual sections designated by topic; for example, the Arthurian Tradition, Transcendentalism in American Literature, The City in Fiction and Film, Death and Aging in Contemporary Literature, and others. Discussion and written analyses. May be repeated for a total of six units of credit as topics change.

410 Advanced Expository Writing for Teachers (3) A survey of current theories of rhetoric, moving from the sentence to the paragraph to the larger structure. Study of various modes of rhetorical discourse with emphasis on exposition. Application of theories of composition to the student's own writing, to professional writing, and to the writing of public school students. An option for candidates in the liberal studies major working for the multiple subject credential. Satisfies the Ryan Act requirement of competency in writing. Prerequisite: English 100.

490 Senior Workshop (3) Advanced workshop for student majors who wish to prepare a special topic or who are working on a specific project in literature studies.

495 Internship in Composition (3-6) Supervised work experience in public agencies and private industry to provide an opportunity to develop professional writing skills. No more than three units may apply to the major. May be repeated for a total of six units of credit. Prerequisite: Consent of instructor.

498 Supervised Independent Reading (1-3) Reading of works pertinent to the study of literature. Discussion in individual conferences. May be repeated for a total of three units of credit. Prerequisite: Consent of instructor.

499 Supervised Independent Study (1-3) Independent study should deal with a special interest not covered in a regular course or with the exploration in greater depth of a subject introduced in a regular course. Discussion in individual conferences. May be repeated for a total of three units of credit. Prerequisite: Consent of instructor.

FINE ARTS

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Donald J. Funes, D.M.A.

The University does not offer a program in fine arts at this time. The fine arts courses which follow are offered in support of other programs and/or the General Education requirements. A sequence of courses is also available that may be counted toward the University's requirement for work in Race, Class and Gender and Global Awareness. Specialized work in performance activities and studio courses is also available to all University students. Some upperdivision courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

FINE ARTS COURSES

380 Special Topics in the Arts (3) Selected topics in the fine arts (dance, music, theater, visual arts). For example, theories of the visual arts, urban aesthetics, Afro-American music, images of women in the arts, and others. May be repeated for course credit as topics change.

381 Studio Work in the Arts (1-3) Studio experience in the fine arts. Exploration of basic concepts of dance, music, theater, or the visual arts through various studio processes such as drawing, group instrumental lessons, dance movement, or acting. May be repeated for a maximum of eight units.

MUSIC COURSES

320 Critical Listening (3) This course helps the student develop highly honed listening skills. Music from many cultures including Euro-American concert music, music from India, Japan, Africa, South America, Eastern Europe, and the United States form the core of the examples studied. No single historical period or national style dominates. The emphasis is placed on perception of musical elements that are common to all music of the world, the acoustical foundations of music, and aesthetics. Music is viewed within a social and cultural context. Attendance of concerts is a required part of the course.

390 Andean Ensemble (1–2) A performance ensemble specializing in the music of Bolivia, Peru, Ecuador and Chile. Students learn to play bamboo flutes, pre-Columbian instruments and panpipes. Guitarists and vocalists are welcome. Music is sung in Spanish, Quechua and Aymara.

421 Survey of World Music I (3) Explores the music of Native Americans, Black music in America, West African music, European folk music and the music of India. Students will be required to complete an anthropological/ethnomusicological field work study in one of the indigenous music styles in Southern California. The project will include interviews with native informants, field recordings and other appropriate research.

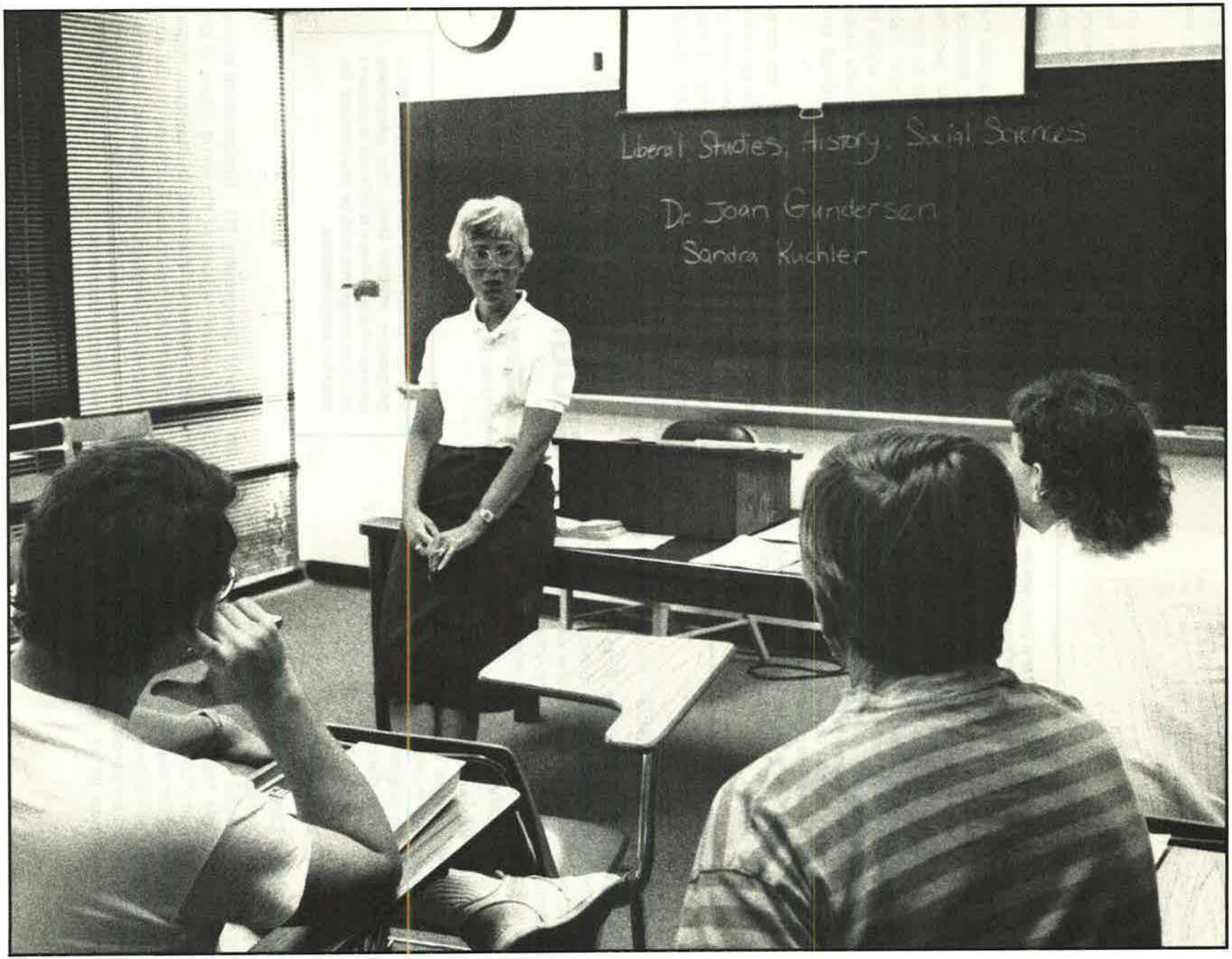
422 Andean Music and Culture (3) An introduction to Andean culture through music performance, listening, and research. Students will learn to play authentic Andean instruments from Peru, Chile, Ecuador, and Bolivia. Extensive reading and analytical listening are a part of this course.

GEOGRAPHY

Discipline Office: Building 125
Telephone: (619) 471-4180

The University does not offer a program in geography at this time. The geography course which follows is offered in support of other programs and/or the General Education requirements.

301 World Geography (3) Geographical survey of major cultural regions of the world. Study of origins and dispersal of ideas and technologies, migration and settlement patterns. Emphasis on the economic, political, religious, and linguistic characteristics of the human landscape as they affect rapidly changing global concerns.


Liberal Studies, History, Social Sciences
Dr Joan Gundersen
Sandra Kuchler

HISTORY

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Joan R. Gundersen, Ph.D.
Patricia S. Seleski, Ph.D.

Programs Offered:

Bachelor of Arts in History
Minor in History

History interprets the past for the present by exploring the institutions, ideas, cultures, and creations of men and women in the context of time and place. It is focused on change over time, change both of the subjects of study and of historians' attempts to make sense of those subjects. History ranges over all of recorded human experience, naturally interfacing with the arts, sciences, social sciences, and other humanities.

The student of history will learn to evaluate evidence critically, to sift and organize evidence fairly and persuasively, to analyze the evidence for its patterns and meanings, and to integrate this into a broad context of human experience. Historical study provides perspective, helping individuals to place their own lives, values, and world events in context, and to recognize the processes of change which have brought us to the present.

History majors find careers in a great variety of fields. History is a traditional preparation for law, foreign service, teaching, public affairs, journalism, and work in museums or historical societies. History majors hold such diverse positions as presidents of banks, personnel officers, senators, network news anchors, purchasing agents, city managers, judges, small business owners, and public safety officers. In addition, there is a growing arena of careers directly related to history—museum directors, curators, historical consultants, archivists, historical site administrators, and historic preservation officers. Both government agencies and private corporations hire historians to research, analyze, and organize their records. Many of these latter careers require some graduate work in history.

Preparation for the Major

Completion of nine (9) units of lower-division history study which must include exposure to two world areas, and at least six (6) units of a course in sequence. Students may include three (3) units of 300-level history courses taken in residence at CSU, San Marcos in the total of nine units of preparation. If a student includes three units of 300-level work as preparation, those units may not count as part of the upper-division requirements. Completion of a writing composition course. Completion of twelve (12) units of work in related fields comprised of six (6) units of course work each in two of the following: literature, religion, political science, economics, sociology, fine arts or in a single interdisciplinary field. Competency in a foreign language equivalent to three semesters of study at a Community College setting is also required.

Major Requirements

In addition to the lower-division courses completed as preparation, the major requires: thirty (30) upper-division units including six (6) units in United States History, six (6) units in European History, and six (6) units in World History (majority of content focused outside of U.S. or Europe), successful completion of Historical Methods and Writing, and nine (9) units of electives in history. One of the electives must be a seminar, independent study or internship. One course in the major must have considerable content on women's history. Students must complete all courses counted for the major with a grade of C (2.0) or better, and may include no more than three units of internship toward the major.

BACHELOR OF ARTS IN HISTORY

Graduation Requirements

Total Units required	**124**
General Education units	49
* Lower-Division units	24
Upper-Division History units	30
Elective units	21

* Refer to explanation of units in the section that follows.

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Lower Division (24 units)

Nine units of lower-division history courses including:

- Six units in a sequenced survey course at the lower-division level and
- Three units of a survey course in a different world area from the six-unit sequence

Twelve units of related courses including:

- Six units in one the following:
  literature, religion, political science, economics, sociology, fine arts, or in a single interdisciplinary field
- Six units in a second field drawn from those listed above

Three units of composition and writing to be completed before taking history courses numbered higher than 299.

Supporting Requirement: Successful completion of the equivalent of a third semester of a foreign language at a Community College setting.

Upper Division (30 units)

Note: One course of study must have considerable content on women's history (this requirement may be fulfilled simultaneously with other history requirements)

Six units of work in U.S. history

Six units of work in European history

Six units of work in World history

Three units of Historical Methods and Writing

Nine units of history electives

Three units of study in a seminar, internship, or independent research (this requirement may be fulfilled simultaneously with other history requirements)

MINOR IN HISTORY

A minor in history shall consist of twenty-one units of study in history. Twelve units must be in upper-division courses. Students must include in their program courses in at least two world areas, and one six-unit sequence of course work, either at lower or upper division. A six-unit sequence may consist of either two courses at the same level in which the content of the second continues chronologically the content of the first or a 300-level course and a 400-level seminar which builds on a theme covered in the 300-level course.

HISTORY COURSES

GENERAL:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

101 Critical Thinking in History (3) An introduction to critical analysis, structure of argument, analysis of evidence, and logic using historical sources.

300 Thematic Topics in History (3) Thematic topics in history. Topics may come from any world area or be comparative. May be repeated for course credit as topics change.

390 Science and Society (3) The history of science and its relationship to the society in which scientific theories and technology developed. Attention to the impact of science on society.

395 Historical Methods and Writing (3) Explores the various approaches historians take to their study and a variety of styles of historical writing including analytical reviews, abstracts, and the research paper.

398 Independent Study (3) A course of directed readings under the guidance of an instructor. Several short analytical papers required. Prerequisites: Consent of instructor and discipline adviser.

495 Internship (1-3) On-site work for a historical agency such as an archive or museum, or providing historical research for a business or public agency. Requires assigned readings in theory and historical background, and a sustained project. May be repeated for a total of three units. Arranged upon request through the history discipline. Prerequisites: Fifteen (15) units of upper-division history work and consent of supervising faculty and discipline adviser.

499 Independent Research (3) Development of an extended research paper using primary and secondary sources in consultation with a faculty adviser. Prerequisites: Fifteen (15) units of upper-division history work including History 395 and consent of instructor and discipline adviser.

EUROPEAN HISTORY:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed horo may not be offered during the initial years. The Class Schedule should be consulted for the lilst of courses which will be offered.

210 Western Civilization to 1500 (3) A survey of the development of western society from the ancient middle east to 1500. Includes an overview of political, social, cultural, scientific, and economic changes.

211 Western Civilization 1500 to the present (3) A survey of the development of western society and culture beginning with the era of European expansion and reformation to the present. Includes an overview of political, social, cultural, scientific, and economic changes.

310 Ancient Middle East and Greece (3) An overview of the ancient societies of the Middle East, Egypt, and Greece.

311 The Mediterranean in the Age of Rome (3) The political, social, and economic development of the Roman empire from the founding of Rome to the end of the Western Empire.

313 Church and Society in Medieval Europe (3) Explores the relationship of religion to other aspects of medieval society. Includes exploration of religious orders, class, the arts, witchcraft, church-state relations, and feudal structures.

315 England Comes of Age (3) The rise of England to status as a world power under the Tudors and Stuarts and England's role in an age of economic expansion, religious reformation, political revolution, institutional innovation and revitalized arts, science, and philosophy.

317 From Medieval to Modern (3) Europe in the era of the Renaissance and Reformation. Explores the rise of nation states in an era of profound religious change. Examines demographic and economic transformation as well as the beginnings of European expansion.

318 Society and Culture in Early Modern Europe (3) Changes in European thought, art and society from the Renaissance to the Enlightenment. Treats the development of two European cultures—elite and popular—in response to religious change. Examines literacy and printing, scientific thinking, and developments in political theory.

319 Industrialization of Europe (3) Economic growth and social change in 19th century Europe. Analyzes the processes of industrialization and their relation to class formation, gender, and politics.

320 The Age of Empire (3) Explores nineteenth-century European imperialism and its twentieth-century retreat. Focuses on competition between European states; developments in colonial government and administration; effects of contacts with non-Europeans on European culture and society; and independence/liberation movements.

321 Nationalism and Unification in Europe (3) Explores the movements for unification and national recognition in 19th and 20th century Europe. Includes the unification of Germany and Italy, the dismantling of the Austro-Hungarian empire, movements for independence in eastern Europe.

322 Europe in the Age of World War (3) The transformation of European institutions and values in the century of total war. Stress on the impact of WWI and the development of communism and fascism, the Holocaust and the end of empires.

323 Society and Culture in Modern Europe (3) Changes in European thought, art, and society from the rise of romanticism to post-modernism.

324 Philosophers and Kings: Europe in the 18th Century (3) Examines the paradox of eighteenth-century Europe, the development of modern liberal and rationalist thought in the context of absolutist monarchies.

325 Revolutionary Europe (3) Political, social, and cultural responses to revolutionary movements in Europe from 1789 to the present. Explores the role of class, gender, ideology, as well as political and economic structures in both "successful" and "failed" revolutions from the French revolution through recent struggles in eastern Europe.

326 Towards a European Community (3) Political, economic and social developments in contemporary western Europe since the end of World War II. Themes include European relations with the United States and issues of "americanization"; political and economic integration and rivalry; terrorist, radical and youth movements since the 1960's; demographic trends and issues of immigration/multiculturalism.

327 Women in Modern Europe (3) The experience of women in Europe from the seventeenth century to the present. Themes include changes in the definition of women's roles, legal and political status, education, with attention to the impact of industrialization, the cult of womanhood, war and state family, and welfare policies on women's lives.

328 Imperial Russia (3) Russian history from Peter the Great to the Russian Revolution.

329 From Russia to U.S.S.R (3) Political, social, and economic history of the Soviet Union from the beginnings of the Russian Revolution to the present.

400 Special Topics Seminar in European History (3) An intensive look at selected areas of European history. Course description available before registration in the semester offered. May be repeated for credit as topics change.

AMERICAN HISTORY:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

230 U.S. History 1500-1865 (3) A survey of the development and changing historical interpretation of the American institutions and society from the colonial period to the end of the Civil War. Special attention to the interplay of European, American Indian, and African cultures in this development. Themes include immigration, colonial formation, Indian-white contact, constitutional development, economics, religion, slavery, status of women, westward expansion, reform, and political parties.

231 U.S. History 1865-Present (3) A survey of the development and the changing historical interpretation of institutions and society in the United States from Reconstruction to the present. Special attention to the interplay between races and cultural diversity and conflict. Themes include immigration, constitutional development, politics, economics, religion, reform, the growth of the United States as a world power, status of women, westward expansion, and urbanization.

330 The Constitution and American Society (3) Origins and writing of the U.S. Constitution and the political and social issues that have arisen as the supreme courts and others have interpreted, amended, and implemented the basic law of the United States.

332 Women in America (3) The changing roles and status of women from the colonial period to the present. Explores the way women and society have continuously redefined work, family, law, education, and political activity.

334 From Slavery to Freedom (3) The experience of African-Americans in the American society from the colonial period to the present. Includes: formation of African-American culture, slavery, emancipation, and reconstruction, segregation and black separatism, Harlem renaissance, civil rights movement.

335 Segregation to Civil Rights (3) A survey of the development of traditional and legal segregation, the challenge provided by civil rights movements and related themes such as black separatism and nationalism.

337 American Indian Response to White Expansion (3) The historical experience of American Indians from the arrival of Europeans to the end of the 19th century.

339 The American City (3) The development of urban areas in the United States and their influence on American thought, life, and economic development from the colonial period to the present.

341 Ideas in America (3) The development and change of social, political, religious, and economic ideas in American history from the colonial period to the present.

343 Religion in America (3) American religious traditions studied in the context of changing social, cultural, and political traditions of the United States from 1600 to the present.

345 The Immigrant Experience (3) Patterns of migration to and the experience of immigrants in areas now part of the United States. Themes include the role of the family, neighborhood and church, and work; patterns of assimilation and acculturation; formation of political and social institutions; and the impact of immigration on the country.

347 California History (3) Beginning with the diverse native cultures of the region, the course explores the impact of Spanish, Mexican, and United States control. Traces the origins of contemporary issues through the area's economic development, multi-ethnic immigration, and evolving political institutions, and provides a survey of the human response to a place called "California".

349 Foreign Policy of the United States (3) Foreign policy of the United States from the American revolution to the present.

430 Special Topics Seminar in American History (3) An intensive look at selected areas of American history. Course description available before registration in the semester offered. May be repeated for credit as topics change.

431 Seminar in American History— The Era of the American Revolution (3) The social and political changes and continuities of the British New World from 1740-1800 including attention to the lives of women, Native Americans, and Afro-Americans, the development of political thought and institutions, and changes in education, religion, and economics.

432 Seminar in American History— Red, White, and Black in the British Colonies (3) The development of cultural and political institutions of work, family, and society in the British colonies, including interactions between American Indians, Europeans, and Africans.

434 Seminar in American History—Twentieth Century Feminist Thought (3) The major American feminist thinkers of the 20th century viewed in the context of their 19th-century backgrounds, and the major currents of American intellectual and social history since 1900. Includes conflicts within feminism, issues of race and class, and responses to changing forms of anti-feminism.

WORLD HISTORY:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

250 Latin American Civilization to 1815 (3) A survey of Latin American areas under the rule of European empires with special attention to the cultural traditions of Native Americans before and after conquest and of the creole societies which developed under European rule.

251 Latin American Civilization since Independence (3) A survey of Latin American areas since independence with special attention to the cultural traditions of the diverse peoples in this world region.

260 Asian Civilization to 1600 (3) A survey of East Asian history and culture to 1600.

261 Asian Civilization since 1600 (3) A survey of East Asian history and culture since 1600.

270 African Civilization before Colonization (3) A survey of North and Sub-Saharan Africa from the rise of Islam to the mid-nineteenth century. Special emphasis on art, literature, religion, and cultural change.

271 African Civilization since Colonization (3) A survey of North and Sub-Saharan Africa since the intervention of European empires. Special emphasis on art, literature, religion, and cultural change.

351 Borderlands Areas under Mexico and Spain (3) A survey of areas now part of the United States during the years they were under Spanish and Mexican rule.

352 Mexico and Her Neighbors (3) The role and impact of Mexico since independence on other Latin American, Caribbean, and North American nations. Themes include international trade, immigration, foreign relations, and cultural influences.

353 Latin America in Revolution (3) Latin American revolutions from the wars for colonial independence to the present. Attention to social, political, and economic aspects of both those revolutions which resulted in changes in government and those that did not.

354 The Search for Caribbean Independence (3) The history of Caribbean nations including Jamaica, Cuba, Haiti, and the Dominican Republic in the 19th and 20th centuries.

362 China and the West (3) An exploration of the relations between China and Europe since the 16th century. Special attention to internal change, religion, and economics as well as diplomacy and politics.

363 China in Revolution (3) China since the revolution of 1911. Themes include the rise of Chinese nationalism, civil war, the Japanese invasion, rise of communism, and the cultural revolution.

365 Tradition and Change in Japan (3) Japanese history from the mid-nineteenth century to the present with special attention to the interplay between traditional institutions and modernization, and on the expansion of Japan.

369 Southeast Asia in the Era of European Expansion (3) An exploration of Southeastern Asia and its cultural and political response to European expansion into Vietnam, Thailand, Indonesia, Indo-China, and the Philippines.

375 African Nationalism and Independence (3) Explores cultural, political, and economic nationalism in Sub-Saharan Africa since 1945.

380 The Rise of Islam (3) The Middle East under Islamic rule from the days of the prophet to the collapse of the Ottoman Empire.

385 Modern Middle East (3) Explores continuity and change in the Middle East during the era of European expansion and influence. Special attention to the origins of current social, political, and religious movements and conflicts in the region.

460 Special Topics Seminar in World History (3) An intensive look at selected areas of World history. Course description available before registration in the semester offered. May be repeated for credit as topics change.

HUMANITIES

Discipline Office: Building 125
Telephone: (619) 471-4180

The University does not offer a program in humanities at this time. The humanities courses which follow are offered in support of other programs and/or the General Education requirements. The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here will not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

101 Introduction to Humanities, I (3) An introductory survey of culture from a humanistic perspective, with particular emphasis on the Greco-Roman, Judeo-Christian, and West African cultures. Historically structured from earliest times to the Renaissance, the course presents highlights from history, science, philosophy, literature, drama, dance, art, architecture, and music. Appropriate readings and written analysis.

102 Introduction to Humanities, II (3) An introductory survey of culture from the Renaissance to the present with particular emphasis on Europe, Africa, Asia, and the Americas. Historically structured, the course presents highlights from history, science, philosophy, literature, drama, dance, art, architecture, and music. Appropriate readings and written analysis.

INTERDISCIPLINARY STUDIES

Discipline Office: Building 125
Telephone: (619) 471-4180

The courses listed here are offered in support of other programs and/or the General Education requirements. Some of the upper-divison courses listed here will not be offered during the first several years. The Class Schedule should be consulted for the list of courses which will be offered.

340 Introduction to American Ethnic and Multicultural Studies (3) An introduction to the cultural and historical background of four groups in America: African Americans, Native Americans, Hispanics, and Asians. Emphasis is on race relations and the distinguishing characteristics of these cultures as reflected in the academic disciplines of the creative and performing arts, the humanities, the social and behavioral sciences, and the general area of popular culture. Contributions to "cultural pluralism" are accentuated as well as the special issues of "identity" faced by these Americans. Fulfills three units of the upper-division General Education requirement.

350 Interdisciplinary Perspectives: (3) Explores a topic from the perspective of at least two disciplines from different areas of the University. Topics to be announced in the Class Schedule. Fulfills three units of the upper-division General Education requirement. May be repeated for credit as topics change.

360 Interdisciplinary Perspectives in the Humanities: (3) Explores a topic from the perspective of at least two disciplines in the humanities. Topics to be announced in the Class Schedule. Fulfills three units of the upper-division General Education requirement. May be repeated for credit as topics change.

370 Interdisciplinary Perspectives in the Social Sciences: (3) Explores a topic from the perspective of at least two disciplines in the social sciences. Topics to be announced in the Class Schedule. Fulfills three units of the upper-division General Education requirement. May be repeated for credit as topics change.

380 Interdisciplinary Perspectives in the Sciences: (3) Explores a topic from the perspective of at least two disciplines in the sciences and mathematics. Topics to be announced in the Class Schedule. Fulfills three units of the upper-division General Education requirement. May be repeated for credit as topics change.

LIBERAL STUDIES

Coordinator's Office: Building 125
Telephone: (619) 471-4180

Faculty Coordinator:
Joan R. Gundersen, Ph.D.

Program Offered:

Bachelor of Arts in Liberal Studies

Liberal studies offers students a general course of study emphasizing breadth rather than specialization. It is designed both for those students preparing for elementary school teaching and for students interested in a generalist degree. Students choosing liberal studies will sample a variety of disciplines in the sciences, arts, humanities, and the social sciences, and in the process will learn much about their own traditions and culture and those of others. The program will sharpen awareness of contemporary issues and scientific discoveries, while increasing the student's ability to communicate clearly. In the process of fulfilling these requirements, a student will also complete all General Education and graduation requirements. The successful completion of the liberal studies major and the cluster of associated, recommended courses will satisfy the requirements for graduation and also qualify the student for a Multiple Subject Credential Waiver in Education, subject to program approval by the California Commission on Teacher Credentialing (see next page).

Students must complete at least 30 units of this program in residence at California State University, San Marcos.

BACHELOR OF ARTS IN LIBERAL STUDIES

Graduation Requirements

Total Units required	**124**
Basic Skills (lower division)	9
Mathematics and Sciences	19
Humanities	24–30
Social Sciences	18
Multicultural/International component	3–6
Physical Education	4
Special Field	12
Elective units	26–35

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Basic Skills (9 units)

1. Composition (3) (lower division)
2. Critical Reasoning (3) (lower division)
3. Oral Communication (3) (lower division)

Mathematics and Science (19 units)

1. General principles of Mathematics (6) (lower division). Students interested in the multiple subject credential waiver are recommended to take Mathematics 310 and 312.
2. Biology (3) (lower division)
3. Laboratory (1) (lower division) in association with the selected science course
4. Basic Physical Sciences (3) (lower division)
   Courses in physics, chemistry, physical science, and certain astronomy courses apply.
5. Earth Science (3) (lower division)
   Courses in geology, oceanography, meteorology, and most astronomy courses apply.
6. Three units meeting the upper-division general education requirement in the natural or mathematical sciences.

Humanities (24—30 units)

1. English Component (9 units)

a. Introduction to Literature (3) (lower division)

b. English Language—Linguistics/grammar (3) (lower/upper division)

c. Advanced Composition (3) (lower/upper division)

Note: Composition classes that are also listed as fulfilling CSU analytical reasoning courses may simultaneously fulfill these requirements and the critical reasoning section of the Basic Skills area.

2. Fine Arts and Humanities (15–24 units)

a. Humanities 101 and 102—Introduction to Humanities I and II (6) (lower division) or History 210 and 211—Western Civilization to 1500 and Western Civilization 1500 to the present.

b. Critical and Theoretical Approaches to the Arts (6) (lower/upper division)

Three units shall be in theory and three in studio arts. This may be completed either in specific discipline courses or interdisciplinary courses. The disciplines are: 1. Music, 2. Drama, 3. Dance, 4. Art, 5. Interdisciplinary Arts. *Note: It is strongly recommended that students complete three units of this requirement in an upper-division interdisciplinary arts course thus fulfilling this requirement simultaneously with the upper-division General Education requirement in the humanities.*

c. Foreign Language (9) or demonstrated competency equivalent to the successful completion of the third semester of a college language course. Students

who complete this requirement without taking college coursework must take an upper-division literature course in place of foreign language study.

d. Upper-division interdisciplinary work in the humanities (3) meeting the general education requirement. Students who take a fine arts or literature course approved for this requirement to fulfill either section 2b or 2c of the humanities requirements in liberal studies may simultaneously count it for this requirement.

Social Sciences (18 units)

1. American History (3) upper-division survey
2. State and local (California) government or American Government (3) *(Note: students who transfer to CSU, San Marcos with a six-hour certification in American institutions are considered to have fulfilled items 1. & 2.)*
3. Geography 301—World Geography (3) (upper division). *(Note: This course fulfills three (3) units of the Global Awareness requirement for Asia, Africa, Latin America or the Middle East.)*
4. Social Sciences (9) to be completed as follows:
   a. One lower-division course in:
      1. economics
      2. psychology
   b. One upper-division course in:
      1. anthropology
      2. political science
      3. sociology
   c. Three units of upper-division interdisciplinary work in the social sciences

Multicultural/International Component (3–6 units)

1. Interdisciplinary Studies 340—Introduction to American Ethnic and Multicultural Studies (3) (upper division)
2. Global Awareness courses (3). Study of Africa, Asia, the Middle East, or Latin America in addition to 3 units earned in Geography 301—World Geography. This requirement may be fulfilled simultaneously with required work in the humanities, social science, or the special field in this major. (upper/lower division)

Physical Education (4 units)

(Theoretical course exploring anatomy and physiology of movement that may include appropriate field activities. Activity courses alone may not fulfill this requirement.)

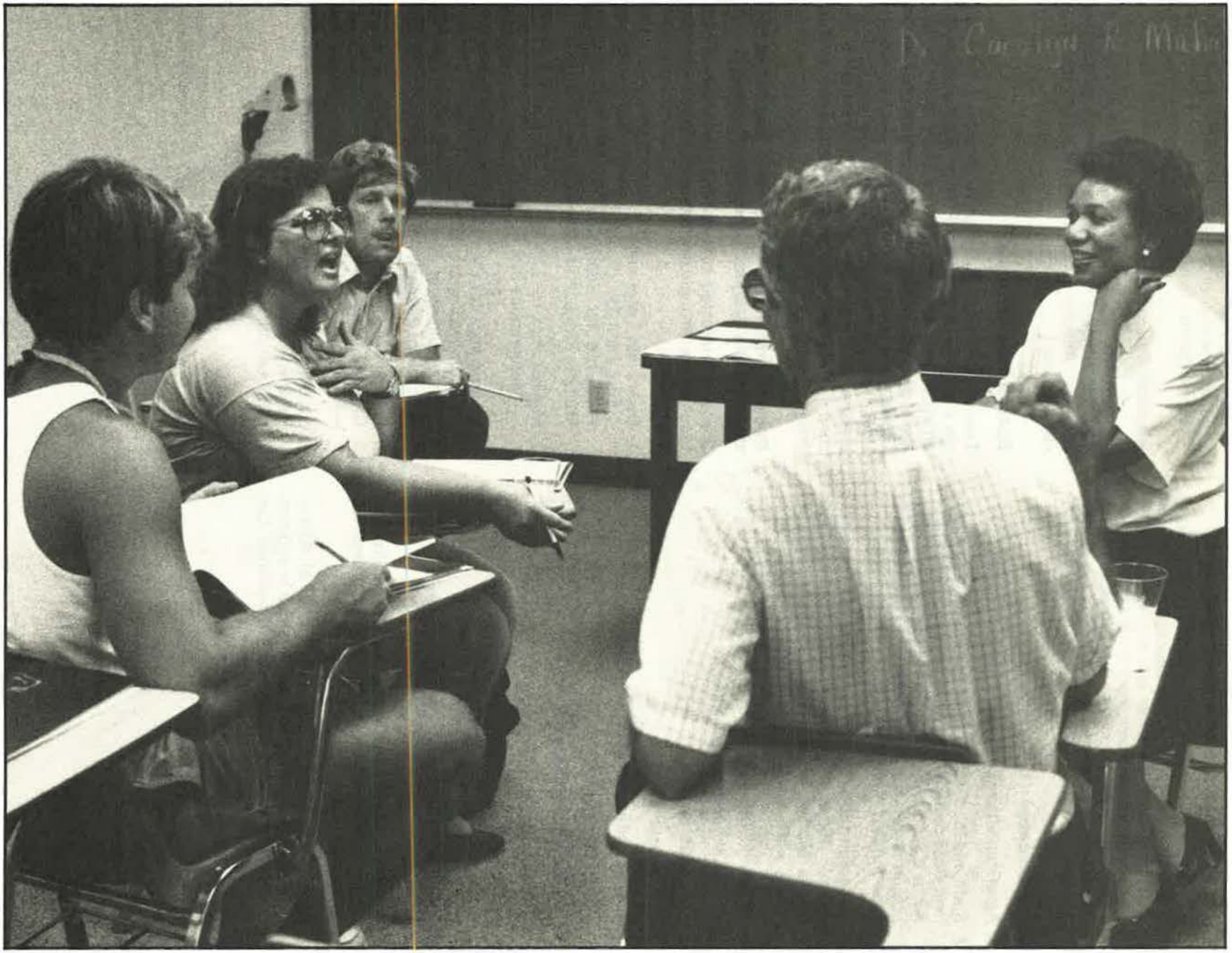
Special Field (12 units)

Twelve units, normally in upper division, from a single discipline or program. Foreign languages, mathematics, and science concentrators may include lower-division courses in the concentration. Teacher Credential students should choose their concentrations from any of the following areas: language, literature, mathematics, science, social science, history, humanities, arts, physical education, human development.

Recommendations for Students Interested in the Multiple Subject Credential Programs

Students interested in becoming elementary school teachers are strongly encouraged to take the following courses:

1. Early Field Experience
   —Education 350 (3 units)
   (Required for admission to CSU, San Marcos Multiple Subject Teaching Credential program.)
2. Mathematics for Elementary Teaching I
   —Mathematics 310 (3 units)
   and
   Mathematics for Elementary Teaching II
   —Mathematics 312 (3 units)
   (This requirement may be used to satisfy the six units of mathematics in the basic Liberal Studies major)
3. Children's Literature
   —Education 400 (3 units)
4. Students at Risk: Psychological and Educational Perspectives
   —Education/Psychology 550 (3 units)



MATHEMATICAL SCIENCES

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Rochelle Boehning, Ph.D.
Carolyn R. Mahoney, Ph.D.
K. Brooks Reid, Ph.D.

Programs Offered:

Bachelor of Science in Mathematical Sciences, Options in:
Mathematics
Computer Science
Minor in Mathematical Sciences

Mathematical sciences offers to the undergraduate a rich mix of pure and modern applied courses which cut across the disciplines represented: pure and applied mathematics, computer science, and statistics. Common to these offerings are the power, beauty, and utility of mathematical thought, whether it be in the study of networks, nonlinearity, data handling, or computation.

Mathematical science is a living, vital subject with a long, distinguished tradition. A student who selects the mathematics option will develop the ability to explore, to conjecture, and to reason logically, as well as the ability to use a variety of mathematical methods effectively to solve problems. Opportunities for graduates in mathematics are as diverse as they are plentiful. Mathematicians are sought by universities, governmental agencies, and private industry and they contribute in direct and fundamental ways to human activity.

The option in computer science emphasizes theoretical foundations of computer science: algorithms, data structures, software design, the concepts of programming languages, computer organization and computer architecture. Analysis and design experiences with substantial laboratory work, including software development are stressed. The computer science option prepares students for careers in applications programming, systems programming, and software engineering, as well as for entrance into graduate and professional schools.

A mathematical sciences major can pursue a career in the teaching of mathematics or computer science at the college, high school or middle school level. Medical schools, law schools, graduate schools and employers in fields such as economics, accounting, management sciences, natural sciences, social sciences, computer science, statistics, and communication seek graduates in mathematical sciences. The degree program at California State University, San Marcos prepares its mathematical sciences majors to meet any of these challenges.

Preparation

High school students are encouraged to take four years of English, four years of mathematics including trigonometry, a year of biological science and a year of physical science. Courses in calculus, physics, and computer programming are recommended. Experience in clear, concise, careful writing is valuable for success in all courses.

Transfer Credits

A maximum of nineteen (19) lower-division units including courses in mathematics and computer science may be applied toward the common core requirements. Of the nineteen units, six (6) units must appropriately match the description in this catalog for Computer Science 150 and 152. The remaining thirteen (13) units must appropriately match the description in this catalog for Mathematics 160, 162 and 260.

A maximum of seven (7) lower-division units may be transferred towards the non-mathematics supporting courses for the option in mathematics. These units must be completed in two approved courses, at least one of them must have a semester of an accompanying laboratory, in a single physical or life science field. Allowable sciences are: anthropology, biology, botany, chemistry, geography, geology, and physics. Students are encouraged to consult with their faculty adviser on fulfillment of this requirement. The Office of Admissions and Records should be consulted to ascertain the campus' articulation agreements with the local community colleges.

A maximum of eleven (11) units may be transferred towards the lower-division supporting courses for the option in Computer Science. These units must appropriately match the description in this catalog for Computer Science 250 and Physics 201 and 202. Students are encouraged to consult with their faculty adviser on fulfillment of this requirement. The Office of Admissions and Records should be consulted to ascertain the campus' articulation agreements with the local community colleges.

Note: Nine (9) units of the above transferred courses, Mathematics 160 (5 units) and Physics 201 (4 units) will count toward the lower-division general education requirements in Area B. Students must complete forty (40) additional general education units to fulfill the general education requirement. *Students who have not taken Computer Science 152 and 250 at a previous institution, are encouraged to take the CSUSM's Computer Science 300 course.*

In special instances and upon approval from the faculty in mathematics, transfer credit in lower-division mathematics courses, other than the Calculus series, together with a grade of C or better in special offerings of Mathematics 398 may be used to satisfy the mathematics option requirements. Additional lower-division units taken in mathematical sciences at other colleges and universities and approved by this university may be used for elective university credit for graduation.

Special Requirements for the Bachelor of Science and Minor in Mathematical Sciences

Each course submitted toward either option in the mathematical science major or minor must be completed with a grade of C (2.0) or better. No more than a total of three (3) units of either individual study (Mathematics 498/Computer Science 498) or Independent Research (Mathematics 499/Computer Science 499) may be applied to the options. No more than three (3) units of Internship (Mathematics 495/Computer Science 495) may be applied to the options. A minimum of fifteen (15) upper-division units counted toward either option must have been completed at California State University, San Marcos. At least six (6) upper-division units counted toward the mathematical science minor must have been completed at California State University, San Marcos.

BACHELOR OF SCIENCE IN MATHEMATICAL SCIENCES

COMMON CORE REQUIREMENTS

Lower Division (19 units)		Units
Computer Science 150	Introduction to Computer Programming	3
Computer Science 152	Intermediate Computer Programming	3
Mathematics 160	Calculus with Applications, I	5
Mathematics 162	Calculus with Applications, II	4
Mathematics 260	Calculus with Applications, III	4

(Computer Science 300 may be taken in place of Computer Science 152 and 250. Computer Science 250 is a required lower-division course in the option in Computer Science.)

Upper Division (6 units)		Units
Mathematics 374	Linear Algebra	3
One of the following courses:		3
Mathematics 440	Mathematical Statistics	
Mathematics 462	Introduction to Probability	

OPTION IN MATHEMATICS

Non-Mathematics Supporting Courses (7 units)

At least two approved courses in a single physical or life science are required, together with at least one semester of an accompanying laboratory for a total of seven (7) units. Allowable sciences are: anthropology, biology, botany, chemistry, geography, geology, and physics.

Upper Division (24 units)		Units
Mathematics 350	Foundations for Theoretical Mathematics	3
Mathematics 360	Foundations of Analysis	3
One of the following courses:		3
Mathematics 370	Discrete Mathematics	
Mathematics 372	Introduction to Number Theory	
Mathematics 470	Modern Applied Algebra	3
Mathematics 490	Senior Seminar	3
Nine (9) approved elective units in upper-division mathematics courses		9

(Please see below list of approved courses for this selection)

Total Units in the Mathematics Option 31

Students selecting the Mathematics option must complete nine (9) units of elective upper-division mathematics courses. One course may not satisfy both a specific requirement and an elective requirement. The following courses may be used as approved electives:

Mathematics 330	Introduction to the History of Mathematics
Mathematics 356	Mathematical Models
Mathematics 364	Differential Equations
Mathematics 370	Discrete Mathematics
Mathematics 372	Number Theory (if not used as requirement)
Mathematics 410	Modern Geometry
Mathematics 440	Mathematical Statistics (if not used as requirement)
Mathematics 460	Introduction to Complex Analysis
Mathematics 462	Introduction to Probability (if not used as requirement)
Mathematics 464	Numerical Analysis and Computing
Mathematics 472	Introduction to Graph Theory
Mathematics 474	Introduction to Combinations
Mathematics 480	Introductory Operations Research
Mathematics 482	Applied Operations Research
Mathematics 495	Internship in Mathematics
Mathematics 498	Individual Study in Mathematics
Mathematics 499	Independent Research in Mathematics

Note: At most three (3) units of Mathematics 498 and 499 may be counted toward the nine (9) units of Mathematics electives.

OPTION IN COMPUTER SCIENCE

Lower Division Core (11 units)		Units
Computer Science 250	Assembly Language	3
Physics 201	General Physics I	4
Physics 202	General Physics II	4

(Computer Science 300 may be taken in place of Computer Science 152 and 250. Computer Science 152 is a required lower-division course in the common core requirements.)

Upper Division Core (36 units)		Units
Computer Science 350	Data Structures	3
Computer Science 352	Programming Languages	3
Computer Science 354	Computer Architecture and Logic	3
Computer Science 356	Computer Organization	3
Computer Science 358	File Systems	3
Computer Science 452	Operating Systems	3
Computer Science 464	Numerical Analysis	3
Mathematics 370	Discrete Mathematics	3

Twelve (12) approved elective units in upper-division computer sciences courses 12
(Please see below list of approved courses for this selection)

Total Units in the Computer Science Option 47

Students selecting the Computer Science option must complete twelve (12) units of elective upper-division computer science courses. The following courses may be used as approved electives:

Computer Science 450	Analysis of Algorithms
Computer Science 460	Artificial Intelligence
Computer Science 470	Software Engineering
Computer Science 474	Algorithms for Parallel Processing
Computer Science 476	Database Management Systems
Computer Science 490	Senior Seminar
Computer Science 495	Internship in Computer Science
Computer Science 498	Individual Study in Computer Science
Computer Science 499	Independent Research in Computer Science

Note: Mathematics 480—Introductory Operations Research may also be used as an elective in the computer science option. However, no more than three (3) units of course-work may be selected from computer science courses number 490 through 499 to count toward the twelve (12) units of computer science electives.

COMPUTER SCIENCE COURSES ARE LISTED UNDER THAT DISCIPLINE, PLEASE REFER TO PAGE 99.

MINOR IN MATHEMATICS

Lower Division (12 units)		Units
Mathematics 160	Calculus with Applications, I	5
Mathematics 162	Calculus with Applications, II	4
Computer Science 150	Introduction to Computer Programming	3

Upper Division (12 units) Units

One of the following courses: 3

- Mathematics 370 Discrete Mathematics
- Mathematics 372 Introduction to Number Theory

One of the following courses: 3

- Mathematics 440 Mathematical Statistics
- Mathematics 464 Numerical Analysis and Computing

Six (6) approved units in upper-division mathematics courses 6
(or three (3) approved upper-division units in mathematics if Mathematics 260 has been taken)

Total Units 24

MATHEMATICAL SCIENCES COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

110 Critical Thinking (3) Critical thinking in decision-making. Formal and informal fallacies of language and thought; the often unreliable guide of common sense reasoning; analysis and criticism of ideas; distinction between fact and judgment, belief and knowledge; inductive and deductive arguments, effective techniques of decision-making. Students will learn critical thinking skills to apply to common issues of everyday life. Intended to satisfy Area A of the General Education requirements.

120 College Algebra (3) Set notation and terminology, binomial theorem, equations and inequalities, real and complex numbers, functions, graphs, trigonometric functions, exponential and logarithmic functions, and the algebra of polynomials. Credit may not be counted towards the mathematical sciences major. Prerequisites: Completion of the Entry-Level Mathematics (ELM) requirement and consent of discipline adviser.

130 Finite Mathematics for Business (3) Sets, permutations, combinations, probability, linear equations and inequalities, matrices, linear geometry, linear programming. Credit may not be counted toward the Mathematics major. Prerequisites: Completion of the Entry-Level Mathematics (ELM) requirement and consent of discipline adviser.

132 Calculus for Business (3) Functions, limits, derivatives, partial derivatives, applications of the derivative, introduction to integration. Credit may not be counted toward the mathematical sciences major. Completion of Mathematics 130 or equivalent is highly recommended. Prerequisites: Completion of the Entry-Level Mathematics (ELM) requirement and consent of discipline adviser.

140 Introductory Statistics (3) Basic probability; measure of central tendency, variation, correlation; binormal, normal, and other distributions; sampling; hypothesis testing; linear regression; nonparametric methods. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 120 or consent of discipline adviser.

160 Calculus with Applications, I (5) Differential and integral calculus of functions of one variable: analytic geometry, limits, continuity, derivatives, analysis of curves, integrals, applications; algebraic, trigonometric, logarithmic, and exponential functions. Prerequisite: Mathematics 120.

162 Calculus with Applications, II (4) A continuation of differential and integral calculus of functions of one variable and analytic geometry of three space: inverse trigonometric and hyperbolic functions, integration methods, indeterminate forms, coordinate systems, planes and lines in three space, sequences and series, applications. Prerequisite: Mathematics 160 with minimum grade of C.

240 Introduction to Biostatistics (3) Introduction to statistics in the biological sciences. Descriptive statistics, probability, random variables, discrete and continuous distributions, confidence intervals, tests of hypothesis; description of biological data, genetics, population growth curve fitting. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 120.

260 Calculus with Applications, III (4) Differential and integral calculus of functions of several variables: three dimensional analytic geometry, vector calculus, partial derivatives, multiple integrals, line integrals, applications. Prerequisite: Mathematics 162 with minimum grade of C.

262 Elementary Differential Equations (3) Ordinary differential equations; emphasis on solving linear differential equations, applications. Prerequisite: Mathematics 162.

264 Introduction to Linear Algebra (3) Matrix algebra, systems of linear equations, vector spaces, independence, linear transformations, eigenvalues and eigenvectors, applications. Prerequisite: Mathematics 120.

302 Mathematics in the Modern World (3) Descriptive overviews of selected areas of mathematics which play a visible role in the modern world. Topics may include: management science and operations research, gambling and probability, misuses of statistics, social choice and voting theory, size and shape, computational science, thrusts in pure mathematics, communication networks, social networks. May be repeated for credit as topics change. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 120.

306 Statistical Vignettes (3) Basic statistics and practical applications from the perspective of users in real situations. Topics may include: language and terminology, distributions, sampling, tests of significance, computerization of standard techniques, issues on uses and abuses of statistics, statistics in the social sciences, statistics in the business world. May be repeated for credit as topics change. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 120.

310 Mathematics for Elementary Teaching, I (3) Designed to reinforce mathematical concepts for those teaching in the elementary grades. Emphasis on numeric concepts: sets, logic, counting numbers, integers, rational numbers, real numbers; some number theory; measurement and estimation; basic use of computers; historical/cultural perspectives. Credit may not be counted toward the mathematical sciences major. Prerequisite: Completion of the Entry-Level Mathematics (ELM) requirement.

312 Mathematics for Elementary Teaching, II (3) Designed to reinforce mathematical concepts for those teaching in the elementary grades. Emphasis on geometric concepts in two and three dimensional space: points, lines, planes, curves, triangles, convex figures; parallelism, congruence, similarity, symmetry, perimeter, area, volume; networks and graphs; some elementary probability and statistics; problem solving strategies; basic use of computers; historical/cultural perspectives. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 310.

330 Introduction to the History of Mathematics (3) Major currents in the evolution of mathematical thought from early civilization to modern times. Prerequisite: Mathematics 160.

340 Statistics (3) Descriptive statistics; probability review; central tendency and dispersion; tests for variance, analysis of variance; random sampling, confidence intervals; simple nonparametric tests; univariate and joint distributions. Credit may not be counted toward the mathematical sciences major. Prerequisite: Mathematics 140 or Mathematics 240.

350 Foundations for Theoretical Mathematics (3) A bridge course between computation-driven mathematics and theoretical mathematics. Designed to provide an introduction to the understanding of mathematical arguments, a firm foundation in major ideas involving elementary logic, set theory, relations, functions, graph theory, and cardinality which are needed for advanced work, a guide for students to think and to express themselves mathematically, and a sufficient introduction to some of the ideas of modern algebra (e.g., matrix algebra, permutation groups, and modular arithmetic) and basic analysis (e.g., completeness in the reals, accumulation points) to capture some of their flavor and spirit. Prerequisite: Mathematics 160 with a minimum grade of C.

356 Mathematical Models (3) Construction, development, and study of mathematical models for real situations. Subjects from graph and network problems, enumeration problems, value and utility theory, conflict resolution, discrete optimization, simulation, Markov chains, computer applications. Prerequisite: Mathematics 162 or 350.

360 Foundations of Analysis (3) A classical treatment of the basic concepts of calculus of one variable: the real number system, limits, continuity, differentiability, the Riemann integral, sequences and series of numbers and functions. Prerequisite: Mathematics 350.

364 Differential Equations (3) Models involving first-order equations, higher-order linear equations, systems of equations and qualitative analysis; numerical methods. This course will combine theoretical ideas with hands-on experience using appropriate computer software packages. Prerequisite: Mathematics 162.

370 Discrete Mathematics (3) Designed to provide some of the terminology, concepts, and techniques of several areas of discrete mathematics, especially some of those applicable in computer science. Elementary combinatorics, graphs and digraphs, trees, algebraic structures, Boolean algebra and computer logic, finite-state machines, groups and codes. Prerequisite: Mathematics 160.

372 Introduction to Number Theory (3) Divisibility, Euclidean algorithm, prime numbers, congruences, quadratic reciprocity, primitive roots and indices, factorability and primality testing. Prerequisite: Mathematics 350 or consent of discipline advisor.

374 Linear Algebra (3) Systems of linear equations, vector spaces, independence, bases, dimension, orthogonality, least squares, determinants, eigenvalues and eigenvectors, positive definiteness, computation, linear programming. This course will combine theoretical ideas with hands-on experience using appropriate computer software packages. Prerequisite: Mathematics 350 or 370.

398 Tutorial on Mathematical Methods (1) Designed to develop the skill to present clear, correct mathematical argument and exposition. Corequisite: Concurrent enrollment in an upper-division theoretical mathematics course/or consent of discipline adviser.

404 Non-Statistical Mathematics in the Social Sciences (3) Subjects involving applications of mathematics in the social sciences such as: proportional representation, voting rules and aggregation of individual preferences, spatial models of election competition, power in weighted voting systems, power indices in politics, balance theory and social inequalities, measurement theory, game theory, static models of animal dominance, rumor and information networks. Prerequisites: Senior standing and Mathematics 120.

410 Modern Geometry (3) Critical review of the foundations and basic structure of plane and solid Euclidean geometry, non-Euclidean geometries, incidence and affine geometries; convexity and applications. Prerequisite: Mathematics 160.

440 Mathematical Statistics (3) Data collection: random sampling and experimental design; data organization and description: tables and graphs, univariate descriptive statistics, bivariate descriptive statistics; probability: random variables, standard distributions, computer simulation; statistical inference: tests of significance, point estimation methods, confidence intervals, inference in simple linear regression. This course will combine theoretical ideas with hands-on experience using appropriate computer software packages. Prerequisite: Mathematics 162.

450 Analysis of Algorithms (3) Study of algorithms; efficient, optimal algorithms and analysis for best, worst, and average performance; computational complexity theory; algorithmic time and space bounds; levels of intractability; applications. Prerequisites: Mathematics 350 and Mathematics 370.

452 Operating Systems (3) Operating system design and implementation; process management, processor scheduling; deadlocks, memory management, auxiliary storage management, file management; performance analysis, networks and security; comparison of systems. This course will combine theoretical ideas with hands-on laboratory experience. Prerequisite: Mathematics 350.

460 Introduction to Complex Analysis (3) Complex numbers, analytic functions, complex integration, residues and poles, power series, applications. Prerequisite: Mathematics 260.

462 Introduction to Probability (3) Axioms and basic properties, random variables, univariate probability functions and density functions, moments, standard distributions, Laws of Large Numbers and Central Limit Theorem. Emphasis will be placed on applications. This course will combine theoretical ideas with hands-on experience using appropriate computer software packages. Prerequisite: Mathematics 260, or Mathematics 162 and 350.

464 Numerical Analysis and Computing (3) Computer arithmetic, solution of a single algebraic equation, solution of systems of equations, interpolating polynomials, numerical integration, numerical solution of ordinary differential equations; error analysis and computational effort of numerical algorithms. This course will combine theoretical ideas with hands-on laboratory experience. (Also offered as Computer Science 464. Students may not receive credit for both.) Prerequisites: Mathematics 162 and Computer Science 150.

470 Modern Applied Algebra (3) An introduction to some of the finite algebraic structures that arise in applications of mathematics: relations and functions, semigroups, groups, rings of polynomials, partially ordered sets, Boolean algebras, graphs, finite-state machines, coding theory. Prerequisite: Mathematics 350 or consent of discipline adviser.

472 Introduction to Graph Theory (3) Fundamental concepts of undirected and directed graphs, trees, connectivity and traversability, planarity, colorability, networks, matchings; emphasis on modern applications. Prerequisite: Mathematics 350 or consent of discipline adviser.

474 Introduction to Combinatorics (3) This course will introduce the basic tools of combinatorics and their applications. Permutations, combinations, occupancy problems, generating functions, recurrences, inclusion/exclusion, graph theory, pigeonhole principle, experimental design, coding theory. Prerequisite: Mathematics 350 or consent of discipline adviser.

480 Introductory Operations Research (3) Nature, history, and philosophy of operations research; linear programming: systems of linear inequalities, basic geometry of polyhedra and cones, fundament results, the simplex algorithm; special linear programming problems: optimal assignment, transportation, trans-shipment, network flow, shortest path, travelling salesperson. Prerequisites: Mathematics 374 and Computer Science 150.

482 Applied Operations Research (3) Introduction to existing algorithms and resulting software for the analysis of operations research problems, emphasis on discrete models; discussion of algorithmic efficiency and comparison; role of computers in operations research. This course will combine theoretical ideas with hands-on laboratory experience. Prerequisite: Mathematics 480.

490 Senior Seminar (3) Presentation and discussion of selected topics in mathematical sciences in order to supplement available offerings. Prerequisites: Senior standing in mathematical sciences and consent of discipline adviser.

495 Internship in Mathematics (3) Faculty-sponsored academic internship in business, industrial, government, or research firm. Prerequisites: Consent of the faculty and discipline adviser.

498 Individual Study in Mathematics (1-3) Individually directed reading and study in mathematical sciences literature. May be repeated for a maximum of three units. Prerequisites: Senior standing in mathematical sciences and consent of supervising instructor.

499 Independent Research in Mathematics (1-3) Designed for students capable of independent and original research. May be repeated for a maximum of three units. Prerequisites: Senior standing in mathematical sciences and consent of research supervising instructor.

510 Computers in Mathematical Education (3) Designed for pre-college teachers of mathematics. Emphasis on appropriate mathematical computer software on algebra, geometry, trigonometry, and calculus. Credit may not be counted toward the mathematical sciences major. Prerequisites: Computer Science 150 and consent of discipline adviser.

512 Elements of Calculus (3) Designed for secondary school teachers of high school calculus. Theoretical emphasis on calculus of functions of one variable; limits, continuity, derivatives, integrals, infinite series, applications. Credit may not be counted towards the mathematical sciences major. Prerequisite: Mathematics 162.

MUSIC

Discipline Office: Building 125
Telephone: (619) 471-4180

The courses listed here are offered in support of other programs and/or the General Education and/or the University's other graduation requirements. Some of the upper-division courses listed here may not be offered during the first several years. The Class Schedule should be consulted for the list of courses which will be offered.

320 Critical Listening (3) This course helps the student develop highly honed listening skills. Music from many cultures including Euro-American concert music, music from India, Japan, Africa, South America, Eastern Europe, and the United States form the core of the examples studied. No single historical period or national style dominates. The emphasis is placed on perception of musical elements that are common to all music of the world, the acoustical foundations of music, and aesthetics. Music is viewed within a social and cultural context. Attendance of concerts is a required part of the course.

390 Andean Ensemble (1–2) Andean Ensemble is a performance ensemble specializing in the music of Bolivia, Peru, Ecuador and Chile. Students learn to play bamboo flutes, pre-Columbian instruments and panpipes. Guitarists and vocalists are welcome. Music is sung in Spanish, Quechua and Aymara.

421 Survey of World Music I (3) Explores the music of Native Americans, Black Music in America, West African Music, European folk music and the Music of India. Students will be required to complete an anthropological/ethnomusicological field work study in one of the indigenous music styles in Southern California. The project will include interviews with native informants, field recordings and other appropriate research.

422 Andean Music and Culture (3) An introduction to Andean culture through music performance, listening, and research. Students will learn to play authentic Andean instruments from Peru, Chile, Ecuador, and Bolivia. Extensive reading and analytical listening are a part of this course.

PHYSICAL EDUCATION

Discipline Office: Building 125
Telephone: (619) 471-4180

The University does not offer a program in physical education at this time. The lower-division course listed is for transfer-credit purposes and understanding of equivalency only. Lower-division courses will be offered at CSU, San Marcos after 1995.

201 Movement and Sport (3) An exploration of movement theory, the anatomy and physiology of movement and of sports for young people.

PHYSICS

Discipline Office: Building 125
Telephone: (619) 471-4180

The University does not offer a program in physics at this time. The lower-division courses listed are for transfer-credit purposes and understanding of equivalency only. Lower-division courses will be offered at CSU, San Marcos after 1995.

201 General Physics I (4) Classical mechanics. Required for students whose major field of study is physics, chemistry, or computer science. Three hours lecture and three hours laboratory. Prerequisite: Mathematics 160.

202 General Physics II (4) Classical electromagnetism. Required for students whose major field of study is physics, chemistry, or computer science. Three hours lecture and three hours laboratory. Prerequisites: Physics 201 and Mathematics 162.

203 General Physics III (4) Optics and modern physics. Required for students whose major field is physics and chemistry. Three hours lecture and three hours laboratory. Prerequisites: Physics 202 and Mathematics 260.

POLITICAL SCIENCE

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Peter R. Zwick, Ph.D.

Programs Offered:

Bachelor of Arts in Political Science
General Concentration
Global Concentration
Minor in Political Science

Political science is the study of government, individual and institutional behavior in the public sector, relations among nation-states, and theories of politics. Political science addresses the fundamental issues confronting modern society—war, inequality, poverty, the environment—and seeks to evaluate the processes, policies, and theories that have been devised to deal with them.

Typically, the discipline of political science is subdivided into topical fields: United States Government and Politics, including the subfields of public law, public administration, and public policy; Comparative Politics, which deals with government and politics within nations other than the United States; International Relations, which is the analysis of politics among nations, including foreign policy, war and peace, and political economy; and Political Theory, which encompasses political thought throughout the ages as well as contemporary approaches.

The political science program at CSU, San Marcos offers courses in each of these areas and invites students to explore a broad spectrum of topics. Political science majors may choose between a general concentration, which provides wide exposure to the fields of political science, and a global concentration, which offers majors an opportunity to focus on foreign political systems and international relations. Majors and non-majors alike are encouraged to think critically, independently, and objectively about government and politics. The goal of the program is to produce informed, empowered citizens who will contribute to their national and global communities.

Career Opportunities

A political science major opens the door to a broad spectrum of career opportunities. Many political science majors eventually pursue careers in law, and a number of political science courses focus on legal issues and processes. A political science major is also excellent preparation for those contemplating careers in government service and public administration either at the federal or state levels. Possibilities include working on the staff of an elected official or legislative body, working for a government agency, or serving as an elected public official. Political science is also an excellent major for those planning careers in the foreign service agencies of the United States government, international political organizations, and international corporations. Teaching in the public schools, or at the college and university level after doing graduate work, is another popular career option for political science majors. Finally, many political science majors choose to pursue careers in business and industry.

Preparation

High school students should take four years of English, including composition, and social science and civics courses, including history and economics. A familiarity with computers is also desirable.

Community college transfer students should take a basic course in U.S. political institutions, which will fulfill the state code requirements for U.S. History, Constitution and American Ideals. An introductory social science statistics or elementary political analysis course should also be completed. Other lower-division political science and social science courses are highly recommended.

A maximum of six (6) lower-division units in political science may be transferred for credit toward the major.

Advising

Students should consult the discipline adviser for a determination of course equivalents, approved electives, and other requirements.

Requirements for the Major

To be counted toward the major, a political science course must be completed with a grade of C (2.0) or higher. A minimum of 18 units of upper division credits must be earned at CSU, San Marcos.

No more than six (6) hours of Independent Study (Political Science 498) and/or internship may be applied toward the major. Independent Study may be applied to field distribution requirements at the discretion of the discipline. Internship does not count toward field distribution requirements but may be used as elective credit. Political science majors in the general concentration must complete nine (9) upper-division units selected from at least two of the following: history, sociology, economics, geography, ethnic studies. Political science majors in the global concentration must complete nine (9) approved upper-division units outside political science in courses that deal with global issues. All political science majors are required to take either Independent Research (Political Science 499) or the Seminar in Political Science (Political Science 494) as three of their final nine units of political science.

BACHELOR OF ARTS IN POLITICAL SCIENCE

Graduation Requirements

Total Units Required..... 124

General Education units 49

Lower-Division Political Science units..... 6

Upper-Division Political Science units..... 33

Upper-Division Approved Electives 9

Electives 27

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

GENERAL CONCENTRATION REQUIREMENTS

Lower Division (6 units) **Units**

Political Science 100 United States Government and Politics or equivalent..... 3

(Transfer students who have not taken the equivalent of Political Science 100 should take CSUSM's Political Science 300)

Political Science 201 Introductory Statistics for the Social Sciences or equivalent..... 3

Upper Division (42 units) **Units**

Political Science 330 Elements of Comparative Politics..... 3

Political Science 350 Elements of International Relations 3

Political Science 370 Elements of Political Theory..... 3

Political Science 399 Research Design, Methods, and Approaches in Political Science 3

Political Science 494 Seminar in Political Science

or

Political Science 499 Independent Research..... 3

Eighteen additional upper-division units in three of four fields of political science (U.S. Government and Politics, Comparative Politics, International Relations, Political Theory) 18

Nine units of upper-division courses selected from at least two of the following: economics, history, geography, sociology, ethnic studies..... 9

GLOBAL CONCENTRATION REQUIREMENTS

Lower Division (6 units) **Units**

Political Science 100 United States Government and Politics or equivalent..... 3

(Transfer students who have not taken the equivalent of Political Science 100 should take CSUSM's Political Science 300)

Political Science 201 Introductory Statistics for the Social Sciences or equivalent. 3

Upper Division (42 units) **Units**

Political Science 330 Elements of Comparative Politics..... 3

Political Science 350 Elements of International Relations 3

Political Science 370 Elements of Political Theory..... 3

Political Science 399 Research Design, Methods, and Approaches in Political Science 3

Political Science 494 Seminar in Political Science

or

Political Science 499 Independent Research..... 3

Additional units in the Comparative Politics, and International Relations fields or Political Science.....18

Nine units of approved upper-division non-political science courses that deal with global issues 9

MINOR IN POLITICAL SCIENCE

Lower Division (3 units) **Units**

Political Science 100 United States Government and Politics or equivalent 3

(Students who minor in political science at CSU. San Marcos prior to 1995 should take Political Science 300)

Upper Division (15 units) **Units**

Six units selected from: 6

Political Science 330 Elements of Comparative Politics

Political Science 350 Elements of International Relations

Political Science 370 Elements of Political Theory

Nine units of political science electives..... 9

Total Units 18

POLITICAL SCIENCE COURSES

LOWER DIVISION

100 United States Government and Politics (3) The principles of the United States Constitution, and a survey of political institutions and process that developed under it, including the legislature, the executive, the courts, state and local government, federalism, and civil liberties.

201 Introductory Statistics for the Social Sciences (3) Presentation and description of data, contingency table construction and interpretation, introduction to multivariate analysis, correlation and hypothesis testing. (Also offered as Sociology 201. Students may not receive credit for both.)

UPPER DIVISION

UNITED STATES GOVERNMENT AND POLITICS

300 United States Political Institutions (3) The principles of the Constitution of the United States and the political institutions and policies of the United States government. Not open to students who have received credit in Political Science 100.

305 Ethnicity and Race in U.S. Politics (3) Processes and policies that have and have not incorporated racial and ethnic groups into the U.S. political system. Focuses on African Americans, Latinos, and Asians.

320 Principles and Practices of Public Administration (3) Organization and administrative processes of public bureaucracies, the political role of agencies that make and implement public policies; theories and characteristics of bureaucracy.

321 Public Policy Formulation (3) Analysis of the process of policy making in the United States from problem identification through policy formulation, adoption, implementation, and evaluation of impact. Analysis applied to such areas as welfare, environment, crime, taxation, and government spending.

401 Campaigns, Elections, and Voting (3) Analysis of factors influencing voting choices; campaign strategies and techniques; changes and trends in U.S. elections, and methods of predicting and interpreting election results. Prerequisite: Political Science 100 or 300, or equivalent.

405 Interest Group Politics (3) Interest group organization, methods, funding, and influence in U.S. politics. Considers effect of interest groups, especially PAC's, on democratic government. Prerequisite: Political Science 100 or 300, or equivalent.

406 Political Parties (3) Role, organization, and behavior of political parties in the United States. Analysis of the functions of political parties in government, their relationship to interest groups, and their electoral role. Emphasis on the importance of the two-party system in the United States. Prerequisite: Political Science 100 or 300, or equivalent.

410 Congress and the Legislative Process (3) The legislative process in U.S. Congress and state legislatures. Analysis of law making, representation, behavior of individual legislators. Considers relationships between legislatures and other branches of government. Prerequisite: Political Science 100 or 300, or equivalent.

411 The Presidency (3) Analysis of the role and powers of the President and the institutions and functions of the federal executive branch. Focus on issues such as leadership, staffing, executive-legislative relations, policy formation, and presidential popularity. Prerequisite: Political Science 100 or 300, or equivalent.

412 Constitutional Law: Distribution of Power (3) Examination of the development of the constitutional system and the Supreme Court in the United States. Emphasis on the power of judicial review and interpretation of separation of powers, federalism, the police power, and the commerce clause through an analysis of leading Supreme Court decisions. Prerequisite: Political Science 100 or 300, or History 330, or their equivalent.

413 Constitutional Law: Civil Liberties (3) Study of fundamental rights protected by the U.S. Constitution. The role of the courts in interpreting freedoms under the Bill of Rights, due process, and equal protection of the laws. Prerequisite: Political Science 100 or 300, or History 330, or their equivalent.

414 Judicial Behavior and Politics (3) Political role of the U.S., state and federal courts, judicial policy making, judicial decision-making processes, and political behavior of judges. Prerequisite: Political Science 100 or 300, or equivalent.

415 State Politics (3) Politics and policy making at the state level, relations between federal and state governments. Emphasis on California government and politics. Prerequisite: Political Science 100 or 300, or equivalent.

416 Urban Politics (3) The political process and policy making in urban areas of the United States.

Evaluation of the policy choices facing urban governments including housing, environment, growth, and crime. Prerequisite: Political Science 100 or 300, or equivalent.

419 Special Topics in U.S. Politics (3) Selected topics in U.S. politics. May be repeated for credit as topics change. Prerequisite: One upper-division U.S. Government course or consent of instructor.

COMPARATIVE POLITICS

330 Elements of Comparative Politics (3) Comparative analysis of political behavior and institutions in political systems of different types.

335 Government and Politics of Europe (3) Study of the political systems of selected European nations that represent the various forms of government in the region.

336 Government and Politics of the Soviet Union (3) Contemporary Soviet political institutions and policies; the role of the communist party in the policy process; influence of internal factors such as culture, ideology, and economics.

337 Government and Politics of Africa (3) Focus on the political systems of sub-Saharan Africa. Problems of political development in the region; relations among African states, and relations with non-African systems.

338 Government and Politics of Latin America (3) Analysis of political behavior, institutions, and policies in Latin America. Comparison among various Latin American states highlighting similarities and differences. Political change, including revolution, military coups, and democratization.

339 Government and Politics of the Middle East (3) Analysis of political processes, governments, political issues, and foreign relations of the Middle East. Influence of religion, oil, and conflicts on Middle East politics. Role of Middle East in global affairs.

340 Government and Politics of East Asia (3) Focus on China, Japan, Korea, and the ASEAN states. Political behavior, ideas, and institutions of East Asia. Role of competing ideologies and systems of behavior, interaction of domestic and foreign policies.

348 Government and Politics of a Selected Nation-State (3) Detailed analysis of a particular political system. May be repeated for credit as topics change.

431 Political Development (3) Analysis of the process and problems of political development in the Third World. Influence of economic problems, international relations, and cultural factors. Prerequisite: Political Science 330 or equivalent.

432 Comparative Political Institutions (3) Cross-national analysis of specific political institutions, such as executive or legislative bodies. Examples drawn from all types of political systems. Prerequisite: Political Science 330 or equivalent.

433 Comparative Legal Systems (3) Cross-national analysis of legal systems in different types of political systems. Prerequisite: Political Science 330 or equivalent.

434 Comparative Public Policy (3) Cross-national analysis of public policies, such as welfare, housing, and health care in different types of political systems. Prerequisite: Political Science 330 or equivalent.

449 Special Topics in Comparative Politics (3) Selected topics in comparative politics. May be repeated for credit as topics change. Prerequisite: One upper-division comparative politics course or consent of instructor.

INTERNATIONAL RELATIONS

350 Elements of International Relations (3) Basic international political principles and practices, including characteristics of the international system, foreign policy making, security and defense, alliances, law and organization, and international conflict.

355 United States Foreign Policy (3) Formulation and execution of foreign policy in the United States, including an analysis of competing ideological concepts, the role of President and Congress, and the influence of public opinion.

356 Soviet Foreign Policy (3) Foreign policy process and foreign relations of the Soviet Union analyzed in the context of domestic influences such as ideology, history, economics and politics.

357 Foreign Policy of a Selected Nation-State (3) Detailed analysis of the foreign policy of a selected nation-state. May be repeated for credit as topics change.

360 The European Community (3) Analysis of the relationships within the European community, community institutions, and community policy. Relationship between community and the global system and influence of the community on world affairs.

361 Inter-American Relations (3) Relations among Latin American states, U.S.-Latin American relations, and Latin American role in global affairs.

362 International Relations in a Selected Region (3) Detailed analysis of international interactions within a selected global region. May be repeated for credit as topics change.

365 International Organization and Law (3) Historical development and contemporary structure of international organizations, such as the United Nations, NATO, and regional economic associations. Development of international law and settlement of international disputes.

450 Theories of International Relations (3) Classical and modern version of the "balance of power," bipolarity, multipolarity, international systems theory, deterrence and game theory, decision-making theory, and conflict resolution theory. Prerequisite: Political Science 350 or equivalent.

455 National Security Institutions and Policy (3) Analysis of the national security institutions and the objectives of national security policy. Focus on military structure and power, strategic doctrine, alliance management, and nonmilitary components of security. Prerequisite: Political Science 350 or equivalent.

460 International Political Economy (3) Theories of dependence and integration, politics of international finance; protectionism in trade; role of multinational corporations and cartels in the world economy; North-South relations. Prerequisite: Political Science 350 or equivalent.

461 International Conflict, War, and Peace (3) Sources of international conflict and war. Analysis of different types and levels of conflict, such as guerilla warfare, low-intensity conflict, and regional war. Means of conflict resolution and maintenance of peace. Prerequisite: Political Science 350 or equivalent.

469 Special Topics in International Relations (3) Selected topics in international relations. May be repeated for credit as topics change. Prerequisite: One upper-division international relations course or consent of instructor.

POLITICAL THEORY

370 Elements of Political Theory (3) Analysis of basic concepts and principal political theorists from the Greeks to the present, including Plato, Aristotle, Machiavelli, Locke, and Marx.

371 Ancient and Medieval Political Theory (3) Detailed analysis of political thought from Plato to Aquinas. Major themes include citizenship, justice, equality, and democracy.

372 Early Modern European Political Theory (3) Detailed analysis of political thought from Machiavelli to Burke. Major themes include popular government, the role of the state, civil-religious relations, and popular sovereignty.

373 Contemporary Political Theories and Ideologies (3) Detailed analysis of nineteenth and twentieth century political thought, including Marx, Freud, Weber, and Existentialists. Major themes include individual freedom, class conflict, elitism, and totalitarianism.

470 American Political Thought (3) Analysis of the political ideas that have emerged in the United States, including the colonial period. Major themes include constitutionalism, republican government, civil liberties, and social justice in industrial society.

471 Jurisprudence (3) Legal philosophies of natural law, positivism, idealism, legal realism; relationship of law, morals and political order.

472 Feminist Political Thought (3) Political theories and ideas concerning the role of women in political society. Different treatment of men and women in traditional political theories. Contemporary issues of feminism, power, and the role of women in politics.

479 Special Topics in Political Theory (3) Selected topics in political theory. May be repeated for credit as topics change. Prerequisite: One upper-division political theory course or consent of instructor.

GENERAL

390 Special Topics in Political Science (3) Selected topics in the field of political science. May be repeated for credit as topics change.

391 Gender and Politics (3) Analysis of gender as a political category; gender differences as they affect political participation and behavior; gender issues in contemporary politics. Analysis is cross-national, but focus is on the United States.

392 Religion and Politics (3) Analysis of religion as a political force; religion as a shaper of culture and ideology; religion as a force of stability and change; religion as an influence on political behavior and public policy. Analysis is cross-national, but focuses on United States society.

393 Environmental Policy (3) Analysis of the politics of environmental policy on a global scale. Comparisons of environmental policy, global environmental issues, such as global warming, destruc-

tion of habitat, ocean and air pollution. National and international mechanisms for managing environmental problems.

394 Ethics and Corruption in Government (3) Ethical problems of those in politics and public service. Focus on decision-making and public policy, including health care, education, energy and national defense. Forms of political corruption and means for controlling corrupt behavior.

399 Research Design, Methods, and Approaches in Political Science (3) Study of research methods and major approaches in political science. Required for all political science majors in their junior year.

494 Seminar in Political Science (3) This course, or Political Science 499, is required for all political science majors and must be taken as three of the last nine units in the major. This is the "capstone" course for political science in which majors integrate previous work in political science and write a paper. Open only to political science majors. Prerequisites: Senior status and consent of instructor.

495 Internship (1–6) Program of study, research, and work in connection with a government agency or private group concerned with public policy.

498 Independent Study (3) In-depth reading course with an individual faculty member. Students meet regularly with instructor to discuss assigned readings and write a paper on their chosen subject. Prerequisites: At least six units in field of study, senior status, and consent of instructor.

499 Independent Research (3) This course or Political Science 494 is required of all senior political science majors. It is the "capstone" course in which students integrate their work in political science and write a paper. Open only to political science majors. Prerequisites: Senior status and consent of instructor.



PSYCHOLOGY

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Heike I. M. Mahler, Ph.D.
Patricia E. Worden, Ph.D.

Programs Offered:

Bachelor of Arts in Psychology
Minor in Psychology

Psychology is the scientific study of behavior. In order to discover more about behavior, psychologists study both humans and animals. Psychology covers a wide range of topics, from the inner workings of our brains and bodies to the way our social environment influences us. This breadth is reflected in the psychology curriculum. Our program gives considerable emphasis to psychology as an empirical science, including research design, data analysis and interpretation, and computer skills.

The psychology major is designed to provide each student with a comprehensive overview of the major fields of psychology and methods used in psychological research. The major also provides elective courses which allow the student to focus upon an area of special interest. These specialty areas might include clinical, social, developmental/child, industrial/organizational, learning/cognitive, and physiological psychology.

Students majoring in other disciplines such as the computer, health or clinical sciences, business administration, communication or education will find that a minor or electives in psychology will provide them with up-to-date knowledge of direct relevance to their chosen professions. Additionally, psychology has rich ties with other liberal arts fields such as philosophy, history, literature, the arts, sociology, anthropology, and linguistics.

Career Opportunities

The major provides an excellent preparation for careers in a variety of psychology-related settings including mental health agencies, hospitals, teaching institutions, business and public organizations. As a liberal arts major, our undergraduate program provides a solid background for graduate training in fields such as clinical psychology; marriage, family, and child counseling; teaching; social work; medicine; law; business and management; and public administration.

The B.A. degree does not entitle a person to work as a professional psychologist. However, graduates with a bachelor of arts in psychology are qualified for a wide variety of positions in business, industry, and public service. Skills developed within the psychology curriculum include writing, computing and quantitative skills, critical analysis of complex problems, knowledge of human behavior and characteristics, increased self-understanding, and insight into the behavior of others. These skills and competencies will prepare psychology students to become prime candidates for promotions and other types of career advancements.

For students who wish to continue their education, our program is an excellent preparation for graduate study at either the master's or the doctorate level. A master of arts or master of sciences graduate qualifies for a wide range of positions, generally at a higher level of responsibility and salary than at the bachelor's level, and for research and counseling positions in mental health, public school and other agencies and settings. Master's level coursework can meet the educational requirements for the Marriage, Family and Child Counseling license. A Ph.D. in psychology is required for most teaching at the university level and for licensing as a psychologist (independent practice of psychotherapy).

Preparation

High school students are encouraged to take four years of English and three years of mathematics including algebra. Courses in biology and psychology and the other social and behavioral sciences are recommended. Knowledge of computers is helpful for some courses.

Community College Transfer Students

A maximum of nine (9) lower-division semester (13.5 quarter) units of psychology courses may be applied toward the thirty-nine (39) semester units required for the psychology major. The nine (9) lower-division units must fit the course description requirements listed in this catalog for Psychology 100, 220, and 230 or their equivalent as approved by the student's adviser. Another way to fulfill the Psychology 230 requirement is to complete a third upper-division laboratory course at CSU, San Marcos. Contact the Office of Admissions and Records to ascertain the campus' articulation agreements with the local community colleges. Additional lower-division units taken in psychology at a community college and approved by CSU, San Marcos may be used for university credit for graduation.

Special Requirements for the Bachelor of Arts in Psychology and the Minor in Psychology

Each course counted toward the major or the minor must be completed with a grade of C (2.0) or higher. No more than a total of three (3) units of either

Independent Study (Psychology 498) or Independent Laboratory Research (Psychology 499) may be applied toward the major. No more than three (3) units of Field Experience (Psychology 495) may be applied toward the major. A minimum of eighteen (18) units counted toward the psychology major must have been completed at California State University, San Marcos.

BACHELOR OF ARTS IN PSYCHOLOGY

Graduation Requirements

Total Units Required..... 124

General Education units 49

Lower-Division Psychology units..... 9

Upper-Division Psychology units..... 30

Electives..... 36

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Lower Division (9 units) **Units**

Psychology 100 Introduction to Psychology..... 3

Psychology 220 Introductory Statistics in Psychology 3

Psychology 230 Research Methods in Psychology.... 3

Upper Division (30 units)

Psychology 300 Computer Applications in Psychology 3

Choice of two lab courses 6

- Psychology 310 Learning, Memory, and Motivation
- Psychology 311 Physiological Psychology
- Psychology 312 Laboratory in Sensation & Perception
- Psychology 313 Laboratory in Cognitive Psychology
- Psychology 314 Comparative Animal Behavior
- Psychology 315 Laboratory in Developmental Psychology
- Psychology 316 Laboratory in Social Psychology

Choice of one lecture course 3

- Psychology 330 Developmental Psychology
- Psychology 332 Social Psychology
- Psychology 334 Psychology of Personality

Psychology 400 History of Psychology..... 3

Psychology 402 Psychological Testing 3

Twelve units of upper-division (300/400 level) psychology electives 12

MINOR IN PSYCHOLOGY

Lower Division (6 units) **Units**

Psychology 100 Introduction to Psychology..... 3

Psychology 230 Research Methods in Psychology.... 3

Upper Division (15 units)

One of the following courses:..... 3

- Psychology 310 Learning, Memory, and Motivation
- Psychology 311 Physiological Psychology
- Psychology 312 Laboratory in Sensation & Perception
- Psychology 313 Laboratory in Cognitive Psychology
- Psychology 314 Comparative Animal Behavior
- Psychology 315 Laboratory in Developmental Psychology
- Psychology 316 Laboratory in Social Psychology

One of the following courses:..... 3

- Psychology 330 Developmental Psychology
- Psychology 332 Social Psychology
- Psychology 334 Psychology of Personality
- Psychology 336 Abnormal Psychology

Electives..... 9

Students completing the minor may choose 9 units of upper-division psychology courses or 6 units of upper-division courses and Psychology 220, Introductory Statistics in Psychology

Total Units..... 21

PSYCHOLOGY COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

100 Introduction to Psychology (3) Introduction to basic concepts, problems, and methods in psychology. Includes perception, cognitive processes, learning, motivation, measurement, development, personality, abnormal behavior, and biological and social bases of behavior. The requirements of the course will include subject participation in low-risk psychological experiments or completion of a short paper.

110 Critical Thinking and Problem Solving (3) The nature of critical thinking. Includes models and strategies; logical and probabilistic reasoning; common fallacies; deductive and inductive reasoning; valid and invalid arguments; persuasion and propaganda; self-regulation in thought processes.

220 Introductory Statistics in Psychology (3) Basic statistical methods for analysis of data in psychology; descriptive and inferential statistics; hypothesis testing; parametric tests of significance. Introduction to linear regression and correlation; analysis of variance; nonparametric techniques.

230 Research Methods in Psychology (3) The fundamentals of research methods in psychology. Participation in designing and conducting experiments, data analysis and interpretation, and preparation of research reports. Two hours lecture and three hours laboratory. Corequisite: Psychology 220. Prerequisite: Psychology 100.

300 Computer Applications in Psychology (3) Introduction to computer systems, data input, use of software packages and the role of computers in psychological research, teaching, testing and counseling. Introduction to major statistical computer packages including SPSS, Minitab, SAS, BMDP, and available microcomputer programs. Also covered are aspects of technical writing in psychology. Prerequisite or Corequisite: Psychology 220.

310 Learning, Memory, and Motivation (3) Experimental and theoretical investigations in principles of learning, memory, and motivation. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

311 Physiological Psychology (3) Nervous system structures and physiological processes underlying brain function and behavior. Biological and behavioral relationships. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

312 Laboratory in Sensation and Perception (3) Experimental and theoretical investigations in sensory and perceptual processes, including audition and vision. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

313 Laboratory in Cognitive Psychology (3) Theoretical and experimental investigations in human information processing. Topics include attention, mental representation, imagery, problem solving, reasoning, language and other higher mental processes. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

314 Comparative Animal Behavior (3) Experimental and theoretical investigations in animal behavior, including humans. Interspecies comparisons of behavior and sensory, motor, endocrine and neural structures and functioning. Two hours lecture, three hours laboratory; one or more field trips required. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

315 Laboratory in Developmental Psychology (3) Theoretical and experimental investigations in life-span developmental psychology. Research design and methodology, critical examination of empirical studies in human development. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

316 Laboratory in Social Psychology (3) Theoretical and experimental investigations in social psychology. Research design and methodology, critical examination of empirical studies in social psychology. Two hours lecture and three hours laboratory. Prerequisites: Psychology 100, 220, 230, or consent of instructor.

330 Developmental Psychology (3) Theories, methods and research on the development of perception, emotion, language, cognition, intelligence, personality and social behavior. Study of psychological and physical development. Prerequisite: Psychology 100.

332 Social Psychology (3) Study of individuals and groups as they are affected by social interactions. Topics include social influence (conformity, obedience), attitudes and attitude change, attraction, altruism, aggression, social perception and cognition, interpersonal influence, and group processes. Prerequisite: Psychology 100.

334 Psychology of Personality (3) Theory and assessment techniques in personality research. Subject matter includes study of personality structure, development, personality dynamics, and determinants of personality. Prerequisite: Psychology 100.

336 Abnormal Psychology (3) Causes, symptoms, prevention, and treatment of mental and emotional disorders; personality disorders, psychophysiological disorders, anxiety disorders, psychoses, organic disorders, substance abuse disorders, and sexual disorders. Prerequisite: Psychology 100.

350 Psychology of Women (3) Theories and research in the psychological study of gender similarities and differences, particularly as pertains to the psychological problems and characteristics of women. Topics include attitudes and stereotypes, gender differences, sex-roles, sex-typing, female sexuality, pregnancy and childbirth, women as victims, mental and emotional disorders of women, and aging. Prerequisite: Psychology 100.

352 Human Sexuality (3) Examines physical, intrapsychic, and interpersonal aspects of sexuality; also anatomical, physiological, and emotional aspects, love and attraction, sexual dysfunction treatment, sexually transmitted diseases, sex and aging, legal aspects of sexual behavior, sexual exploitation, eroticism in American culture. Presentations will be frank and explicit. Prerequisite: Psychology 100.

354 Educational Psychology: Psychological Perspectives (3) An introduction to psychological research and theory on how instruction affects student learning. Learning, motivation, development, individual differences, psychological aspects of the classroom, and evaluation as related to the educative process. Credit may not be counted toward programs in the College of Education. Prerequisite: Psychology 100.

356 Psychology of Aging (3) Theories and research in adult development and aging. Includes cognitive, social, psychological, and physical development, vocational and family changes, retirement, successful and unsuccessful adjustment patterns. Prerequisite: Psychology 100.

358 Industrial/Organizational Psychology (3) Current psychological principles and traditional theories in industry and work organizations. Selection, placement, training, motivation of people in work situations. Environmental and human influences, system safety, organizational development. Consumer and product issues. Prerequisite: Psychology 100.

400 History of Psychology (3) Historical, philosophical and scientific background of psychology; major traditions and conceptual issues. Prerequisite: Completion of nine (9) units of upper-division psychology courses.

402 Psychological Testing (3) Principles and practices of group and individual testing in aptitude, intelligence, interest, and personality. Theory, construction, evaluation, interpretation, uses, and limits of psychological tests. Reliability, validity, item analysis, norms, and test construction and selection. Prerequisites: Psychology 100 and 220.

420 Cognitive Processes (3) Theoretical and research approaches to the study of thinking, problem solving, language, concept learning, decision making and judgments, cognitive development, cognitive structure. Prerequisites: Psychology 100, 310 or 313, or consent of instructor.

422 Social Cognition (3) The representation and cognitive processing of social information, including impression formation, non-verbal communication, sociolinguistics, attribution theory, developmental issues. Prerequisites: Psychology 100, 332, or consent of instructor.

424 Advanced Psychological Statistics (3) Advanced statistical methods for analysis of data in psychology. General linear model, regression, analysis of variance techniques. Applications to research design and evaluation of data in psychology. Prerequisites: Psychology 100 and 220.

426 Behavior Modification (3) Theory, procedures, and research in human behavior modification. Prerequisites: Psychology 100, 336, or consent of instructor.

428 Community Psychology (3) Theory and research. The application of psychological principles to the understanding and solution of community problems; service delivery aspects and the methodology of program evaluation. Topics include community development, community mental health problems, drugs, and racism. Prerequisites: Psychology 100, 336, or consent of instructor.

430 Survey of Clinical Psychology (3) Introduction to the field of clinical psychology with an emphasis on the application and evaluation of techniques of individual and group counseling and therapy. Includes: methods, diagnosis, research, therapeutic techniques, educational and professional requirements, ethics. Prerequisites: Psychology 100, 334, 336, or consent of instructor.

432 Health Psychology (3) Examines areas of health, illness, treatment, and delivery of treatment that may be elucidated by an understanding of psychological concepts and research, explores the psychological perspective on these areas, and considers how the psychological perspective might be enlarged and extended in the health care area. Prerequisites: Psychology 100, 220, or consent of instructor.

440 Special Topics in Psychology (3) An intensive look at selected areas of psychology. Course description available before registration in the semester offered. May be repeated for credit as topics change, but only three units of Psychology 440 may be counted toward the major. Prerequisites: Psychology 100, 220, 230, or consent of the instructor.

450 Research Seminar in Psychology (3) Students will conduct supervised research on topics in psychology. Prerequisites: Psychology 100, 220, 230, and at least one upper-division laboratory class, or consent of instructor.

495 Field Experience in Psychological Settings (3) Supervised field experience in on- and off-campus community and institutional settings providing psychological services, such as medical settings, mental health clinics, schools, industry. Students will spend approximately six hours per week in a field placement for observation and participation, attend weekly class meetings, read related material, and prepare written reports. Application forms must be completed prior to enrollment. May be repeated, but no more than three units of credit may be applied towards the major. Prerequisites: Nine units of upper-division psychology courses and consent of instructor.

498 Independent Study (3) Study plan must be approved by the fourth week of classes. Individual library study under direction of a faculty member. May be repeated, but no more than three units of credit may be applied toward the major. Prerequisites: Completion of at least one upper-division laboratory course in psychology and consent of instructor.

499 Independent Laboratory Research (3) Study plan must be approved by the fourth week of classes. Individual laboratory investigation under direction of a faculty member. May be repeated, but no more than three units of credit may be applied towards the major. Prerequisites: Completion of one upper-division laboratory course in psychology and consent of instructor.

550 Students at Risk: Psychological and Educational Perspectives (3) Exploration of psychological, social and educational factors and implications of school failure. Also addresses strategies for early identification, intervention and prevention of such failure. (Also offered as Education 550. Students may not receive credit for both.) Two hours of lecture and three hours of participation in public school or related setting.

SOCIAL SCIENCE

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty Coordinator:
Therese L. Baker, Ph.D.

Program Offered:

Bachelor of Arts in Social Science

The social science major is a multidisciplinary program which aims to provide students with a broad understanding and appreciation of the social sciences. By following a major in which a number of social science disciplines are studied, students will appreciate the varied approaches and methodologies of these fields, as well as the interrelatedness of the social science disciplines.

The social science major is appropriate for students with career interests in human services and social work, education and counseling, business, and government.

At California State University, San Marcos, the social science program is administered by the Social Science Committee, made up of faculty from economics, history, political science, psychology, and sociology and is headed by a faculty coordinator.

Special Requirements for the Bachelor of Arts in Social Science

Students interested in majoring in social science should meet with the social science coordinator as soon as possible to plan their program.

Requirements for the Major

The social science major requires 48 units completed as follows:

Twenty-One units in **one** primary field

Twelve units in **each of two** secondary fields (different from the primary field)

Three units of elementary statistics

Currently, there are five options for primary fields: economics, history, political science, psychology or sociology. There are five options for secondary fields: economics, history, political science, psychology, or sociology.

Specific course descriptions are presented under the discipline listings.

BACHELOR OF ARTS IN SOCIAL SCIENCE

Graduation Requirements

Total Units Required	**124**
General Education units	49
Lower-Division units	3
Primary Field	21
Secondary Field	24
Electives	27

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Requirement for All Students

Introductory Statistics Course (3 units)

Mathematics 140 Introductory Statistics

or

Political Science 201 Introductory Statistics for the Social Sciences

or

Psychology 220 Introductory Statistics in Psychology

or

Sociology 201 Introductory Statistics for the Social Sciences

(Other introductory statistics courses may be accepted upon approval of the social science coordinator.)

PRIMARY FIELD REQUIREMENTS

Students must complete all the requirements for ONE Primary Field

ECONOMICS

A primary field in economics shall be distributed as follows:

Lower Division (6 units)		**Units**
Economics 201	Principles of Microeconomics	3
Economics 202	Principles of Macroeconomics	3

Upper Division (15 units)

Two of the following courses 6

Economics 301 Intermediate Microeconomic Theory
Economics 302 Intermediate Macroeconomic Theory
Economics 303 Money and Banking

Nine units of upper-division economics courses 9

Total Units 21

HISTORY

A primary field in history shall include work in two world areas and shall be distributed as follows:

Lower Division (6 units) **Units**

A sequential two-semester survey course in history.... 6

Upper Division (15 units)

History 395 Historical Methods and Writing..... 3

Two 300-level courses in history..... 6

One 400-level course in history 3

Three units of upper-division history electives 3

Note: Three (3) units of study in history on women, gender, or U.S. ethnic (minority) studies are required within the 21 units in this field.

Total Units..... 21

POLITICAL SCIENCE

A primary field in political science shall be distributed as follows:

Lower Division (6 units) **Units**

Political Science 100 United States Government and Politics or equivalent..... 3

(Students who enroll at CSU, San Marcos prior to 1995 should take PSCI 300)

Upper Division (15 units)

Two of the following courses..... 6

Political Science 330 Elements of Comparative Politics
Political Science 350 Elements of International Relations
Political Science 370 Elements of Political Theory

Twelve units of upper-division political science courses..... 12

Total Units..... 21

PSYCHOLOGY

A primary field in psychology shall be distributed as follows:

Lower Division (6 units) **Units**

Psychology 100 Introduction to Psychology..... 3

Psychology 230 Research Methods in Psychology..... 3

Upper Division (15 units)

One of the following courses:..... 3

Psychology 310 Learning, Memory, and Motivation
Psychology 311 Physiological Psychology
Psychology 312 Laboratory in Sensation & Perception
Psychology 313 Laboratory in Cognitive Psychology
Psychology 314 Comparative Animal Behavior
Psychology 315 Laboratory in Developmental Psychology
Psychology 316 Laboratory in Social Psychology

One of the following courses:..... 3

Psychology 330 Developmental Psychology
Psychology 332 Social Psychology
Psychology 334 Psychology of Personality
Psychology 336 Abnormal Psychology

Nine units of upper-division psychology electives 9

Total Units..... 21

SOCIOLOGY

A primary field in sociology shall be distributed as follows:

Lower Division (3 units) **Units**

Sociology 101 Introduction to Sociology..... 3

Upper Division (18-19 units)

One of the following courses: 3-4

Sociology 320 Sociological Theory (3)
Sociology 360 Research Methods (4)

One of the following courses: 3

Sociology 311 Inequality
Sociology 411 Social Stratification and Classes

Twelve units of upper-division sociology electives..... 12

Total Units..... 21-22

SECONDARY FIELDS REQUIREMENTS

Students must complete the requirements for TWO Secondary Fields

ECONOMICS

A secondary field in economics shall be distributed as follows:

Lower Division (6 units) **Units**

Economics 201 Principles of Microeconomics..... 3

Economics 202 Principles of Macroeconomics..... 3

Upper Division (6 units)

Six units of upper-division economics courses..... 6

Total Units..... 12

HISTORY

A secondary field in history shall be distributed as follows:

Lower Division (3 units)	Units
One lower-division course	3

Upper Division (9 units)

Three upper-division history electives from two world areas	9

Note: Three (3) units of study in history on women, gender, or U.S. ethnic (minority) studies are required within the 12 units in this field.

Total Units 12

POLITICAL SCIENCE

A secondary field in political sciences shall be distributed as follows:

Lower Division (3 units)	Units
One lower-division course	3

Upper Division (9 units)

Three upper-division political science electives in at least two fields	9

Total Units 12

PSYCHOLOGY

A secondary field in psychology shall be distributed as follows:

Lower Division (3 units)	Units
Psychology 100 Introduction to Psychology	3

Upper Division (9 units)

One of the following courses:	3
Psychology 330 Developmental Psychology Psychology 332 Social Psychology Psychology 334 Psychology of Personality Psychology 336 Abnormal Psychology	
Six units of upper-division psychology electives	6

Total Units 12

SOCIOLOGY

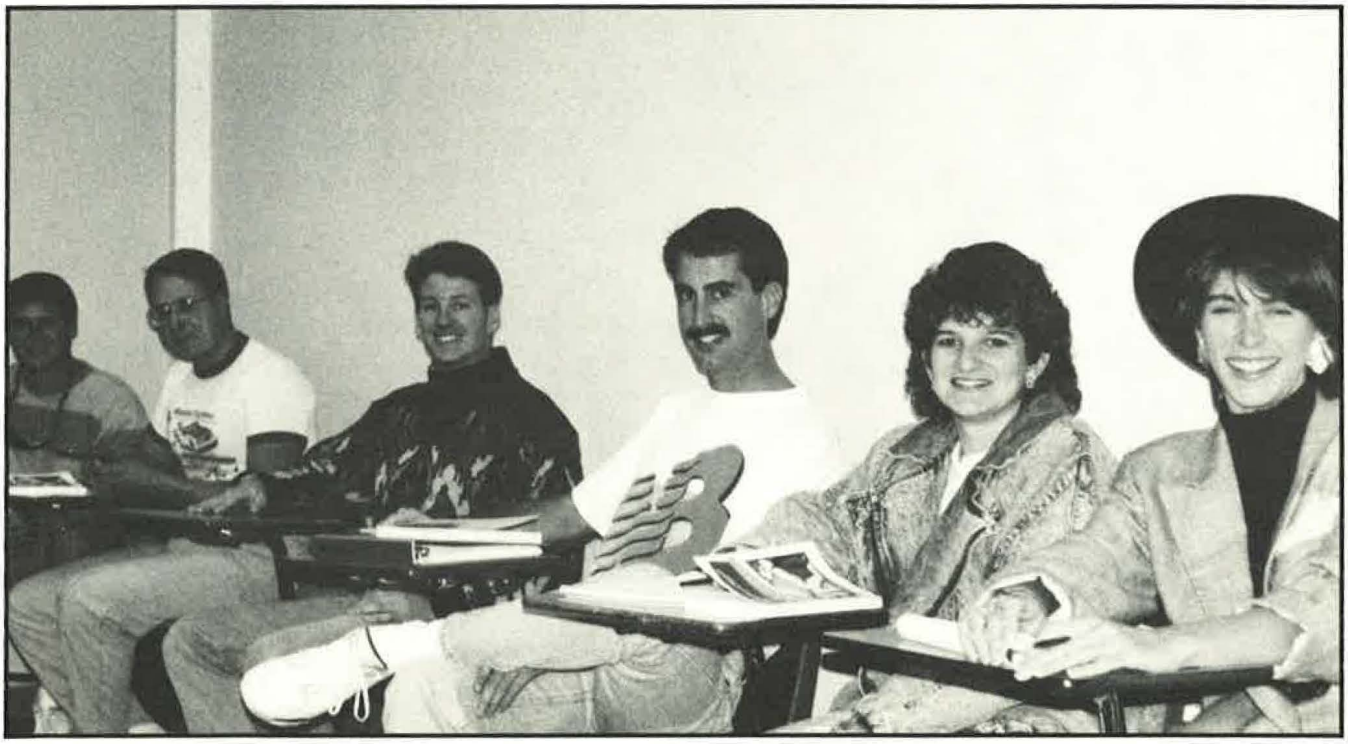
A secondary field in sociology shall be distributed as follows:

Lower Division (3 units)	Units
Sociology 101 Introduction to Sociology	3

Upper Division (9 units)

One of the following courses:	3
Sociology 311 Inequality Sociology 411 Social Stratification and Classes	
Six units of upper-division sociology electives	6

Total Units 12





SOCIOLOGY

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty:
Therese L. Baker, Ph.D.
William T. Liu, Ph.D.

Programs Offered:

Bachelor of Arts in Sociology
Minor in Sociology

Sociology is the study of human societies, of the institutions, organizations and groups that compose them, and of the way individuals and groups relate to one another. One of the discipline's special emphases will be to offer comparative, cross-national and cross-cultural perspectives throughout the curriculum. Sociological knowledge is vital to the understanding of contemporary problems such as crime, poverty, overpopulation, mental illness, urban growth and decay; and studying this field is highly relevant to those careers in human services, research, and government which try to address these problems.

To study the broad subject of sociology, a student needs to acquire information (what we know), methodology (how we know), and theory (how we explain). A major in sociology will require students to develop background and strength in each of these domains. Students may choose to concentrate more fully in a particular content area of sociology, such as health, welfare and education; crime and deviance; socialization and the life course; social structure, mobility, inequality; or gender and ethnicity by selecting a set of courses which focus in related fields.

An undergraduate degree in sociology may lead to careers in advertising and market research, public-opinion polling, law enforcement and criminal justice, city planning, real estate, social work, community relations, and a variety of other occupations in the public and private sectors. In order to facilitate the understanding of how sociology can be applied in real social organizations, students are required to take an internship in an organization or agency serving the community or in a social research setting. Students may want to continue the study of sociology at the graduate level for careers in research or teaching.

Students who wish to learn more about the sociology program are invited to talk with the sociology faculty.

Preparation

A maximum of six lower-division semester units of sociology courses may be applied to the sociology major. These six units must include one course in introductory sociology and a second in elementary statistics. Statistics courses offered by departments other than sociology will generally be accepted. Additional lower-division units taken in sociology at a community college and approved by the University may be used for credit for graduation.

Requirements for Courses leading to a Major in Sociology

Students must receive a grade of C (2.0) or better in all courses taken for the major. A minimum of 18 units in sociology must be completed at California State University, San Marcos.

BACHELOR OF ARTS IN SOCIOLOGY

Graduation Requirements

Total Units Required	**124**
General Education units	49
Lower-Division Sociology units	6
Upper-Division Sociology units	12–13
Electives in Sociology (upper-division)	21
Other Electives	35–36

Note: California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Lower Division (6 units)		**Units**
Sociology 101	Introduction to Sociology	3
Sociology 201	Introductory Statistics for the Social Sciences	
or		3
Political Science 201	Introductory Statistics for the Social Sciences	

Upper Division (12-13 units)		**Units**
Sociology 320	Sociological Theory	3
Sociology 360	Research Methods	4
Sociology 480	Seminar in Comparative Sociology	3
Sociology 495	Internship in Community Service	
or		2–3
Sociology 496	Internship in Research	

Upper-Division Elective courses in Sociology (21 units) **Units**

To be selected by students in consultation with their academic adviser.

At least six of these units should be at the 400 level 21

MINOR IN SOCIOLOGY

Lower Division (3 units) **Units**

Sociology 101 Introduction to Sociology..... 3

Upper Division (18-19 units)

One of the following courses:..... 3–4

Sociology 320 Sociological Theory (3)
Sociology 360 Research Methods (4)

(if Sociology 360 is selected, an elementary statistics course is a prerequisite and it will count as a course in the minor)

One of the following courses:..... 3

Sociology 311 Inequality
Sociology 411 Social Stratification and Classes

Twelve units of upper-division sociology electives.... 12

(or nine units if the prerequisite statistics courses have been taken)

Total Units..... 21-22

SOCIOLOGY COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

101 Introduction to Sociology (3) Analysis and description of the structure and dynamics of human society. The application of scientific methods to the observation and analysis of social groups and processes. Student learns the language, tools, findings, and theories of the sociologist at work.

201 Introductory Statistics for the Social Sciences (3) Presentation and description of data, contingency table construction and interpretation, introduction to multivariate analysis, correlation and hypothesis testing. (Also offered as Political Science 201. Students may not receive credit for both.)

300 American Society and Institutions (3) The development, structure, and organization of basic institutions in American society. The social genesis of contemporary problem situations.

301 Social Psychology: Sociological Perspective (3) A sociological approach to the study of the influence of group life on behavior and personality. Themes may include attitude change, self-concept, identity, conformity, role theory, symbolic interaction. Credit may not be counted toward a Psychology major.

303 Marriage and the Family (3) A comparative analysis of the changing structure of families in America and beyond. Special emphasis on mate selection, reproduction, child rearing, marital dissolution, singlehood, widowhood.

305 Sociology of Women (3) Cross-cultural analysis of women's roles. How various social institutions (the media, work, the family, education, religion) treat sex-role distinctions, and how the women's movement has confronted them.

307 Human Sexuality (3) Sexuality viewed as a normative and institutional pattern of human behavior. Analysis of research on contemporary attitudes and practices.

309 Aging and Society (3) Status and roles of men and women in the later half of the life cycle. Ethnic, sex, and class variations in aging, and in activities pursued by the elderly. Comparative roles for the elderly in different cultures. Social policies and programs for the elderly.

310 Sociology of Mass Communication (3) Studies of the impact of the mass media on American society and culture, impact of television on children, effects of the media on attitudes and opinions, processes by which news is created and transmitted.

311 Inequality (3) An interdisciplinary examination of studies of inequality in opportunity, educational and occupational attainment, wealth and power and its effects on individuals, groups and societies.

313 Race/Ethnic Relations (3) Interpretation and understanding of relationships among racial, ethnic, and religious groups.

315 Sex Roles (3) A consideration of the development of sex roles and gender identity in a social context; how sex roles are shaped by families, youth culture, and the life cycle. Emphases on changing role behaviors, cross-cultural and cross-national variations.

317 Youth and Society (3) The social position of youth in today's society: comparisons with the past and other cultures. Special focus on youth subcultures, social problems confronting youth, institutions which socialize and control youth.

319 Socialization (3) The effects of social institutions on the development of attitudes and behavior. Processes of childhood socialization, adult socialization, political socialization, and re-socialization will be examined with a consideration of how institutions (schools, jails, families) and social groups (peers) can shape roles and behavior.

320 Sociological Theory (3) Exploration of the nature of theory in sociology, and an analysis of selected social theorists. Prerequisite: Sociology 101.

321 Sociology of Deviance (3) Comparison of explanations of deviance. Analysis of deviant life styles and careers. Examination of societal efforts to control deviance.

323 Juvenile Delinquency (3) Various conceptions of the nature of juvenile delinquency and its causes. The forms of prevention, and social control of delinquency, treatment of juvenile offenders, the juvenile justice system.

325 Criminology (3) The nature and extent of crime in American society, theories of factors and influences that are related to criminal behavior, the impact of crime on society.

327 Law Enforcement (3) Sociological analysis of law enforcement systems and the role of police. Problems affecting the control of crime, the relation of police to the community.

331 Social Welfare Policies and Services (3) The nature and development of the social welfare system and its policies in the United States. Examination of the delivery of human services through governmental and private agencies, social work and other human service careers, the role of volunteerism, comparisons with social welfare systems in other countries.

333 Human Service Field Work (2-3) Course combines field work experience in community service organizations in San Marcos and other North County communities with a seminar examining social issues raised in these programs. Course will not fulfill requirements for the major.

335 Sociology of Work and Occupations (3) The impact of work on individuals; the nature of different types of work, including professions and jobs in bureaucracies; the changing composition of the labor force.

337 Women and Organizations (3) An examination of women's changing roles in organizations including patterns of occupational mobility. Special consideration of tokenism, dual-careers, and changing organizational practices and policies related to women.

341 Community and Society (3) An analysis of urban and suburban communities, community organizations and policies. The decline of communities; utopian communities; professional communities.

343 Asian American Communities (3) Comparative analysis of selected Asian and Pacific Island communities in the United States, and particularly the West Coast. Formation and change; new immigrants; adaptation and response.

345 Hispanic and Hispanic- American Communities (3) Comparative analysis of selected Hispanic communities, with a special emphasis on Chicano communities in California. Formation and change; new immigrants; adaptation and response.

347 Afro-American Communities (3) Historical, demographic, and cultural examination of the social communities of Black Americans.

351 Sociology of Religion (3) Analysis of the interplay of society and religion; the clergy as an occupational group; the relationship of religious ideology to social change.

353 Social Change and Social Movements (3) Forms and processes of social change (modernization, industrialization, urbanization, revolution) in the United States and other countries. The relationship of social change to collective behavior. Development of social conflict, ideologies, and mass organizations; consequences of the success and failure of social movements.

360 Research Methods (4) The logic of procedures of social science methodology. Range of types of methods available for various types of social research. Problem formulation, design, data collection, and analysis of a research project. Prerequisite: Sociology 201 or equivalent approved by the discipline.

395 Current Issues in Sociology (3) In-depth examination of selected topics and timely social issues. May be repeated for credit as topics change.

401 History of Social Theory (3) European and American foundations associated with the development of modern sociological theory, with emphases on theorists who have had a strong impact on modern sociology.

411 Social Stratification and Classes (3) Nature and systems of differentiation and ranking in societies, emphasis on changes in class structure in the United States; comparative analysis of life changes and social mobility in the United States and other societies.

413 Sociology of Education (3) The relationship of the educational system to the social structure in the United States and other societies. The school or university as a social organization. Class, ethnic and other social factors affecting educational opportunity and outcome. Roles of teachers, students, and administrators.

421 Sociology of Health and Illness (3) Dimensions of health and sickness in American society. Analysis of health care professionals, health care delivery and health care systems, with comparisons to other countries.

423 Sociology of Stress and Coping (3) Nature of psycho-social stressors; individual and collective responses; stress and health; stress and work. Social support and other mediators of stress effects.

425 Population Studies (3) The measurement and study of major trends and differentials in fertility, mortality, population growth, and age-sex composition in the United States and other countries. Emphasis on social and cultural determinants and consequences.

427 Social Gerontology (3) Demographic trends, economic status, family relationships, physical and social needs of the elderly.

429 Death and Dying (3) Comparative analysis of the social, psychological and organizational study of dying; ethical issues, cultural practices.

431 Social Organizations (3) Characteristics of large organizations; approaches used to study organizations; the nature of bureaucracies. Theoretical and empirical analyses of organizational processes.

433 Urban Sociology (3) Study of urban growth and its impact. Themes explored include metropolitan, suburban, and urban regional development and change; population density; diversity and migration; urban/suburban life styles; urban/suburban institutions and important societal trends. Local, national, and cross-national cases are examined.

441 Political Sociology (3) Social organization of political processes. Political socialization and political behavior; conflict and consensus; political institutions and institutionalization; power and power structures.

443 Sociology of Law (3) The origin and development of legal norms in various social settings; special attention to the difference between sociological and legal reasoning; law as an instrument of social change; law as a profession.

480 Seminar in Comparative Sociology (3) A capstone course for majors, drawing upon theories and research in earlier courses. The specific topic of the comparative analysis will vary: comparative family systems, comparative study of race and ethnicity, comparative political systems, comparative educational systems. May be repeated for credit as topics change.

485 Seminar on Sociological Topics (3) Selected topics for the basis of an in-depth consideration. May be repeated for credit as topics change.

495 Internship in Community Service (2-3) Selective placement of students in work-study situations in organizations which provide service to the local community. Includes participation in a coordinating seminar. Prerequisite: Consent of instructor.

496 Internship in Research (2-3) Selective placement of students in work-study situations in social research settings. Includes participation in a coordinating seminar. Prerequisites: Sociology 201, or equivalent, Sociology 360, and consent of instructor.

498 Independent Study (3) Selected studies for the basis of an in-depth consideration. Prerequisites: Senior standing and permission of faculty adviser.

499 Independent Research (3) Selected research for the basis of an in-depth consideration. Prerequisites: Senior standing and permission of faculty adviser.

SPANISH

Discipline Office: Building 135
Telephone: (619) 471-3562

Faculty:
Stella T. Clark, Ph.D.

The University does not offer a program in Spanish at this time. The Spanish courses which follow are offered in support of other programs and/or the General Education requirements. Lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

101 Fundamentals of Spanish, I (3) Fundamentals of pronunciation, structure designed to develop the ability to use and understand basic spoken Spanish.

102 Fundamentals of Spanish, II (3) Continuation of Spanish 101. Practice in listening comprehension, speaking, reading and writing of Spanish. Prerequisite: Spanish 101 or equivalent.

201 Intermediate Spanish (3) Continuation of Spanish language fundamentals. Emphasis on the development of the skills of reading, listening comprehension, speaking, writing, and on culture. Required attendance in a self-paced language laboratory. Prerequisite: Spanish 101 or 102 or equivalent.

311 Advanced Spanish (3) Development of increased mastery of the Spanish language, with an emphasis on discussion of readings and composition. Conducted in Spanish. Prerequisite: Spanish 201 or equivalent or consent of instructor.

312 Theory and Practice of Oral and Written Composition (3) Grammar review and advanced writing and oral practice based on readings. Conducted in Spanish. Prerequisite: Spanish 311 or equivalent.

330 Techniques for Professional Translation and Interpretation in Spanish (3) Lexical, syntactical, stylistic and cultural practical applications in Spanish/English, English/Spanish translation. Prerequisites: Proficiency through Spanish 312 or equivalent as well as completion of a college-level English composition course.

400 Masterpieces of Hispanic Literature (3) Critical analysis of masterworks in Peninsular or Spanish-American literature. Taught entirely in Spanish. May be repeated for credit as topics change. Prerequisite: Proficiency through Spanish 312 or equivalent.

450 Seminar in Language, Literature or Civilization (3) Seminar in a topic in language, literature or civilization of Spain or Spanish America. Taught in Spanish. May be repeated as topics change. Prerequisite: Spanish 400 or consent of instructor.

WOMEN'S STUDIES

Discipline Office: Building 125
Telephone: (619) 471-4180

Faculty Coordinator:
Joan R. Gundersen, Ph.D.

Program Offered:

Minor in Women's Studies

Women's studies uses a variety of approaches to explore the question "What does it mean to be a woman?" This exploration can lead in such diverse directions as the legal status of women, the particular forms of artistic expression chosen by women, the experiences of women in the past, theories about women, and the roles of women in family and economics. It challenges students to explore their own values and those of others, to analyze the assumptions of culture, and to learn more about issues facing modern society.

Women's studies is a nationally recognized interdisciplinary area of study of more than 20 years standing. More than 250 colleges and universities offer degree granting programs in women's studies; over twice that many offer programs. The California State University, San Marcos' program holds a membership in the National Women's Studies Association.

Students with a women's studies background work in a great variety of fields including journalism, the arts, counseling, teaching, public administration, and business.

Students interested in graduate study in women's studies have an array of programs available around the country, including master's and Ph.D. programs and certificates in women's studies earned in connection with another discipline.

MINOR IN WOMEN'S STUDIES

Requirements for a Minor in Women's Studies:

Completion of eighteen (18) units of credit, twelve (12) units of which must be at the upper-division level.

Required core course: (3 units)

Women's Studies 101: Introduction to Women's Studies. Transfer students may substitute Women's Studies 301: Gender and Race in Contemporary Society, for this requirement.

Breadth requirements: (15 units)

Three units in each of the following three areas:

a. Women and tradition
History 327	Women in Modern Europe
History 332	Women in America
History 434	Seminar in American History—Twentieth Century Feminist Thought

b. Contemporary issues
Psychology 350	Psychology of Women
Sociology 303	Marriage and the Family
Sociology 305	Sociology of Women
Sociology 315	Sex Roles
Sociology 337	Women and Organizations

c. Women and the arts
English 370	Women and Literature

Two elective courses approved for women's studies credit including one course at the 400 level. The selection may include Independent Research or Internships. Work done under other disciplines and not listed above will require prior approval by the women's studies coordinator.

WOMEN'S STUDIES COURSES

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

101 Introduction to Women's Studies (3) An introduction to the scholarship both disciplinary and interdisciplinary on women. Explores works by and about women, gender, roles, and contemporary issues.

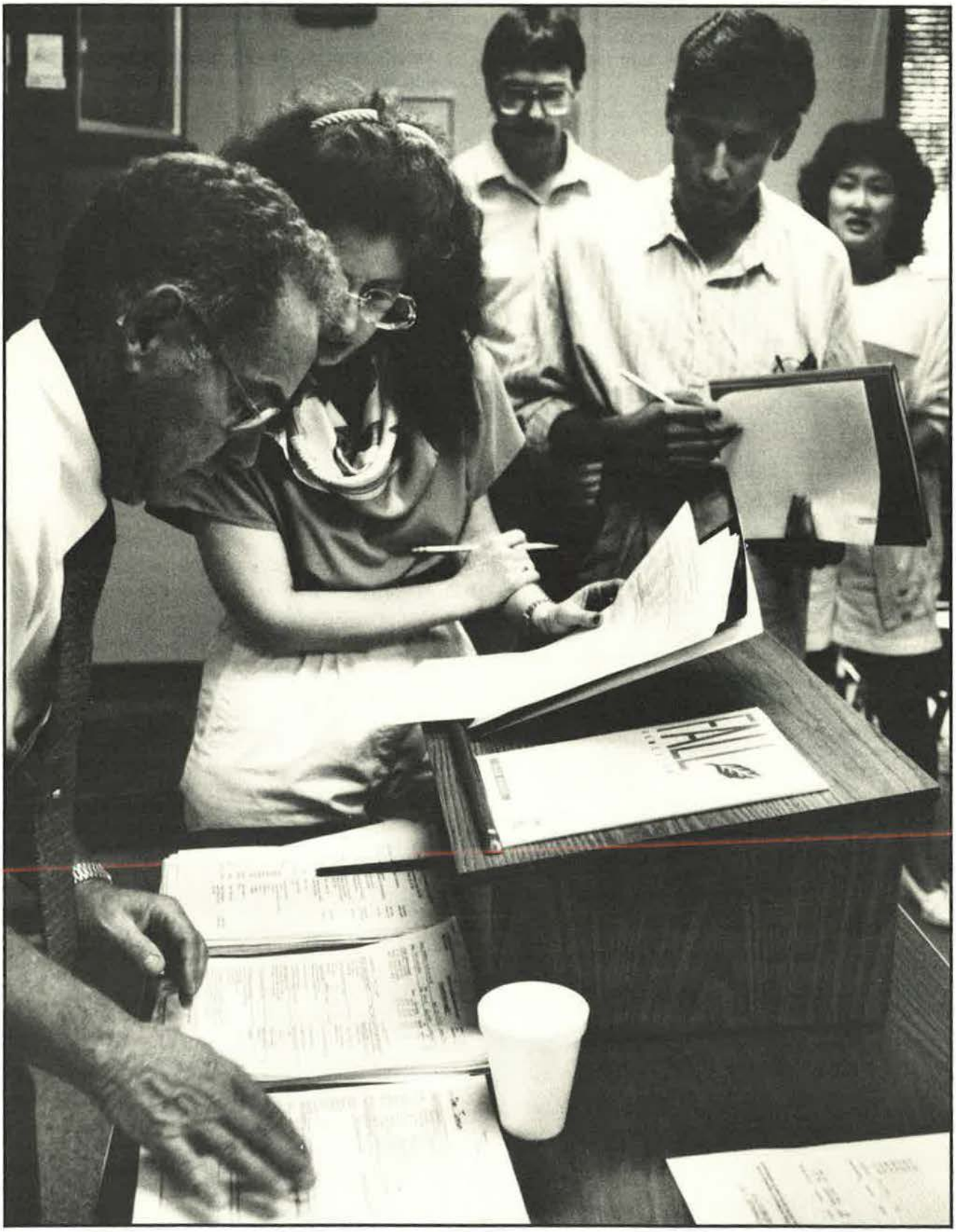
301 Gender and Race in Contemporary Society (3) Explores the intersection of gender and race in the modern world. Themes include the expression of gender and race in arts and humanities, the structures of discrimination, theories about race and sex, the lively debate across cultural and ethnic lines concerning these issues.

398 Independent Study (3) A course of directed readings under the guidance of an instructor. Several short analytical papers required. Prerequisites: Consent of supervising faculty member and coordinator of women's studies.

401 Seminar in Women's Studies (3) Topic announced each semester prior to registration. Explores readings in feminist theory and scholarship. Includes a cross-cultural or cross-national perspective.

495 Internship in Women's Studies (3) Internships will combine readings with placement in an appropriate women's advocacy organization. Prerequisites: Consent of supervising faculty member and coordinator of women's studies.

499 Independent Research in Women's Studies (3) Develop an extended research paper using primary and secondary sources in consultation with a faculty adviser. Prerequisites: Consent of supervising faculty member and coordinator of women's studies.



COLLEGE OF BUSINESS ADMINISTRATION

College Office: Building 125
Telephone: (619) 471-4182

Dean (Acting): Bernard L. Hinton

Faculty:

George Diehr
Professor, Management Information Systems
Bernard L. Hinton, Founding Faculty
Professor, Management
Leonard M. Jessup
Assistant Professor, Management Information Systems
Edmond K. Kwan
Professor, Finance
Trini U. Melcher, Founding Faculty
Professor, Accounting
John R. Montanari
Professor, Management

Programs Offered:

Bachelor of Science in Business Administration, options in:
Accounting
Management
Minor in Business Administration
Minor in Management

The College of Business Administration offers programs of study designed to prepare students for careers in business, education, and government. The programs emphasize the development of both analytical skills and interpersonal effectiveness and seek to integrate the students' understanding of principles and theories with the realities of a global economy. They are designed to sensitize students to the international character of business and to inculcate in them a strong awareness of the ethical implications of business decisions. The structure of the business curriculum reflects the increasing use and sophistication of computers in the everyday tasks of many business employees and is designed to develop a high degree of competency in computer usage. Effective oral and written communication skills are also emphasized.

Students enrolling in the College of Business Administration program will find that their program of study is both rigorous and relevant. The faculty are interested in and responsive to the students; the curriculum has been designed to develop a wide range of skills and abilities, applicable to the non-profit sector as well as to industry. The business community is highly supportive of the program and provides many opportunities for interaction and learning enhancement.

At present, the College of Business Administration offers undergraduate options in accounting and management. Students are given the opportunity to develop skills needed in entry level positions as well as perspectives needed for promotion to top-level positions. Excellence is the top priority in the College of Business Administration.

The undergraduate program in Business Administration is a 130-unit program leading to the Bachelor of Science in Business Administration.

Credit/No Credit grading is not permitted in courses required for the major.

Lower-division courses clearly equivalent in scope, content, and level will be accepted for transfer credit if taken from a regionally accredited U.S. institution or from a foreign institution recognized by California State University, San Marcos and the College of Business Administration. Transfer credit will be granted for upper-division courses only in those cases where the course content and level are equivalent to California State University, San Marcos courses AND where the course was taken in an AACSB accredited program. Exceptions will be made on an individual basis only where a review of the proposed transfer credit course indicates a content and depth at least equal to the equivalent CSUSM course. A student requesting such a review will be required to provide supporting documentation such as course outlines and required texts.

All students applying for admission to a Business Administration option are initially classified as pre-business majors. Lower-division business courses may not be taken Credit/No Credit; the minimum acceptable grade in each class is a C (2.0). Students must complete both the General Education requirements and the lower-division pre-business core courses (24 units) with a minimum GPA of 2.0 (C) in both before enrolling in the upper-division core courses.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Graduation Requirements

Total Units Required	**130**
General Education units	49
Lower-Division Pre-Business core units	24
Upper-Division Business core units	24
Units in option	24
Language/Electives units	9

Note: A number of courses can be used to meet both General Education and Pre-Business Lower-Division requirements.

California State University, San Marcos also has a number of university-wide graduation requirements which will require careful student planning.

Lower-Division Pre-Business Core (24 Units)

Accounting 201 Introduction to Financial Accounting. 3

Accounting 202 Introduction to Managerial Accounting..... 3

Business Law 201 Introduction to Business Law..... 3

Business Administration 201 Introduction to Computer, Business Applications.... 3

Economics 201 Introduction to Microeconomics..... 3

Economics 202 Introduction to Macroeconomics..... 3

Mathematics 130 Finite Mathematics for Business.... 3

Mathematics 132 Calculus for Business..... 3

Upper-Division Business Core (24 Units)

Finance 301 Introduction to Managerial Finance..... 3

Management 301 Introduction to Management..... 3

Management 341 Environments of Business/Global Issues..... 3

Marketing 301 Introduction to Marketing..... 3

Production 301 Introduction to Production..... 3

Mgmt. Info. Systems 301 Introduction to Management Information Systems.. 3

Business Administration 301 Statistical Analysis for Business..... 3

Business Administration 480 Policy and Strategy..... 3

Note: Course descriptions in accounting, business administration, business law, finance, management, management information systems, marketing, and production are contained within this section, starting on page 155. Course descriptions in economics may be found starting on page 102, and course descriptions in mathematics may be found starting on page 123.

Option in Accounting

Accounting 302 Intermediate Accounting I..... 3

Accounting 303 Intermediate Accounting II..... 3

Accounting 311 Cost Accounting..... 3

Accounting 314 Tax Accounting I..... 3

Accounting 451 Accounting Information Systems..... 3

Accounting 461 Auditing..... 3

Six Units selected from:..... 6

(No more than three units total from Accounting 495 and 498 may be counted as part of these six units.)

- Accounting 402 Advanced Managerial Accounting
- Accounting 414 Tax Accounting II
- Accounting 431 Accounting in Not-for-Profit Organizations
- Accounting 441 Advanced Accounting
- Accounting 495 Internship in Accounting
- Accounting 498 Independent Study in Accounting

Total Units..... 24

Option in Management

Management 311 Organizational Behavior..... 3

Management 321 Organization Theory..... 3

Management 331 Organizational Communication..... 3

Fifteen units selected from:..... 15

- Management 411 Human Resource Management
- Management 412 Personal Effectiveness
- Management 421 Organization Innovation and Change
- Management 441 Social and Ethical Issues in Management
- Management 451 Managerial Leadership
- Management 495 Internship in Management
- Management 498 Independent Study in Management

Note: No more than three units total from Management 495 and 498 may be counted as part of these fifteen units.

Total Units..... 24

MINOR IN BUSINESS ADMINISTRATION

Designed to be supportive of a variety of arts, humanities, and science majors. The minor assumes either Economics 201 or 202 has been taken in fulfillment of the General Education requirement. Students are strongly advised to take both, if program allows.

Accounting 202 Introduction to Managerial Accounting..... 3

Business Administration 301 Statistical Analysis for Business..... 3

Finance 301 Introduction to Managerial Finance..... 3

Management 301 Introduction to Management..... 3

Marketing 301 Introduction to Marketing..... 3

Mgmt. Info. Systems 301 Introduction to Management Information Systems. 3

Production 301 Introduction to Production..... 3

Total Units..... 24

MINOR IN MANAGEMENT

Designed for students who anticipate the need for managerial or administrative skills in a non-business-oriented setting.

Management 301	Introduction to Management	3
Management 311	Organizational Behavior	3
Management 321	Organization Theory	3
Management 412	Personal Effectiveness	3
Management 451	Managerial Leadership	3
Total Units		**15**

BUSINESS ADMINISTRATION COURSES

ACCOUNTING:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

201 Introduction to Financial Accounting (3) Basic accounting concepts applicable to the accumulating and external reporting of financial accounting information. Introduction to international accounting.

202 Introduction to Managerial Accounting (3) Selection and analysis of accounting information for managerial decision making, budgeting, and control. Prerequisite: Accounting 201.

302 Intermediate Accounting I (3) Accounting theory and practice of asset values and related problems of income determination. Prerequisite: Accounting 202.

303 Intermediate Accounting II (3) Accounting theory and practice of equities. Special problems related to income determination and financial reporting. Prerequisite: Accounting 302.

311 Cost Accounting (3) Cost accumulation systems; cost concepts for planning and control. Prerequisite: Accounting 202.

314 Tax Accounting I (3) Introduction to federal tax concepts and their statutory application; emphasis on the individual taxpayer. Prerequisite: Accounting 202.

402 Advanced Managerial Accounting (3) Advanced treatment of accounting issues dealing with complex internal accounting issues for managerial planning and control. Prerequisite: Accounting 303.

414 Tax Accounting II (3) Federal tax concepts as they apply to corporations, partnerships, and fiduciaries. Federal estate and gift taxes. Prerequisite: Accounting 314.

431 Accounting in Not-for-Profit Organizations (3) Principles of accounting and reporting, budgeting, and financial control systems in governmental units and other not-for-profit organizations. Prerequisite: Accounting 202.

441 Advanced Accounting (3) Accounting theory related to business combinations, consolidated financial statements, foreign operations, and partnerships. Introduction to governmental accounting, segment, and interim reporting. Prerequisite: Accounting 303.

451 Accounting Information Systems (3) Information requirements and transaction processing procedures related to integrated accounting systems, emphasizing systems analysis and design, controls, and computer processing. Prerequisites: Accounting 303 and Management Information Systems 301.

461 Auditing (3) The duties, ethics, and responsibilities of the auditor. Auditing procedures and reports and the verification and expression of opinion of financial statements. Prerequisite: Accounting 303.

495 Internship in Accounting (3) Activities related to concurrent on-the-job experience with cooperating industrial, public accounting, and not-for-profit firms. Prerequisites: Senior standing and consent of instructor.

498 Independent Study in Accounting (3) Independent study under the direction of a faculty member. The student must prepare a study proposal approved by the appropriate faculty member prior to registration. Prerequisites: Senior standing and consent of instructor.

BUSINESS ADMINISTRATION:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

201 Introduction to Computer, Business Applications (3) Development of proficiency in the use of business-oriented software, including word processing, spreadsheet, data base, and decision analysis software.

301 Statistical Analysis for Business (3) Statistics and probability for business analysis and decision making. Includes descriptive statistics and parametric and non-parametric statistical tools. Probability theory and applications. Prerequisite: Business Administration 201.

480 Policy and Strategy (3) Integrative capstone course required for all business majors. Consideration of all of the business functions in the determination and implementation of a top-level business strategy. Should be taken during last semester of enrollment. Prerequisite: Senior standing.

BUSINESS LAW:

Note: The lower-division courses are listed for transfer-credit purposes and understanding of equivalency only. They will be offered at CSU, San Marcos after 1995. Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

201 Introduction to Business Law (3) Legal principles of basic business transactions. Coverage includes contracts, agency, partnerships, corporations, property, and government agencies and regulations, and Uniform Commercial Code.

FINANCE:

Note: Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

301 Introduction to Managerial Finance (3) Financial management of the business enterprise. Sources and costs of capital, financial structure of the firm, capital budgeting decisions, dividend policy, and working capital management. Related financial management tools and techniques.

401 Financial Analysis and Management (3) Development of financial analysis theory and tools, as applied to the finance function within the business firm. Sources and uses of capital, risk and return of investments, capital rationing problems. Prerequisite: Finance 301.

MANAGEMENT:

Note: Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

301 Introduction to Management (3) The function and role of management in the success of the firm. Includes consideration of the functions of the manager and the managerial skills required for goal achievement.

311 Organizational Behavior (3) Human behavior in the context of the formal organization. The role of psychological process such as attitudes and motivation and interpersonal process such as leadership and the use of influence and power. Group behavior and stress. Prerequisite: Management 301.

321 Organization Theory (3) The organization as a social, political, and economic system. Focuses on the structural characteristics of organizations and the effects these have on individual and organizational performance. Prerequisite: Management 301.

331 Organizational Communication (3) The communications skills needed for effective managerial performance, including written, verbal, and electronic communication skills. Emphasis is on the development of personal effectiveness in various communication modes. Prerequisite: Management 301.

341 Environments of Business/Global Issues (3) A consideration of the social, economic, political, and legal forces which impact the functioning of the business organization. Particular emphasis is placed on the global nature of today's business environment. Prerequisite: Management 301.

411 Human Resource Management (3) Foundations of the human resource management function, including employee acquisition and development, appraising and rewarding performance, and social and legal issues arising from employment. Prerequisite: Management 301.

412 Personal Effectiveness (3) Personal skills necessary for managerial effectiveness, with consideration of intrapersonal factors, interpersonal factors and techniques, and group processes. Emphasis is on development of individual skills. Prerequisites: Management 301 and 331.

421 Organizational Innovation and Change (3) Planned and unplanned organizational change. Organizational cultures, life, growth and decline cycles, and organizational fit with its environment. Focus on organizational level rather than intrapersonal level. Prerequisites: Management 311 and 321.

441 Social and Ethical Issues in Management (3) Consideration of the social and ethical problems faced by management in a complex, multicultural environment. Prerequisite: Management 301.

451 Managerial Leadership (3) In-depth analysis of the process of leadership in organizations, with a focus on the development of personal leadership skills. Emphasis is on personal effectiveness in a leadership role. Prerequisites: Management 311 and 321.

495 Internship in Management (3) Activities related to concurrent on-the-job experience with cooperating business firms or government agencies. Prerequisites: Senior standing and consent of instructor.

498 Independent Study in Management (3) Independent study under the direction of a faculty member. The student must prepare a study proposal approved by the appropriate faculty member prior to registration. Prerequisites: Senior standing and consent of instructor.

MANAGEMENT INFORMATION SYSTEMS:

Note: Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

301 Introduction to Management Information Systems (3) Design, implementation, and control of information systems for management planning, decision making, and control. Data base administration. Prerequisite: Business Administration 201.

401 Decision Support Systems (3) Design and administration of managerial decision support systems, with emphasis on the integration of the accounting, finance, marketing, production, management, and personnel functions.

MARKETING:

Note: Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

301 Introduction to Marketing (3) Function of marketing systems and marketing programs. Market analysis and consumer behavior. Product pricing, promotion, distribution, and evaluation. Marketing channels and institutions.

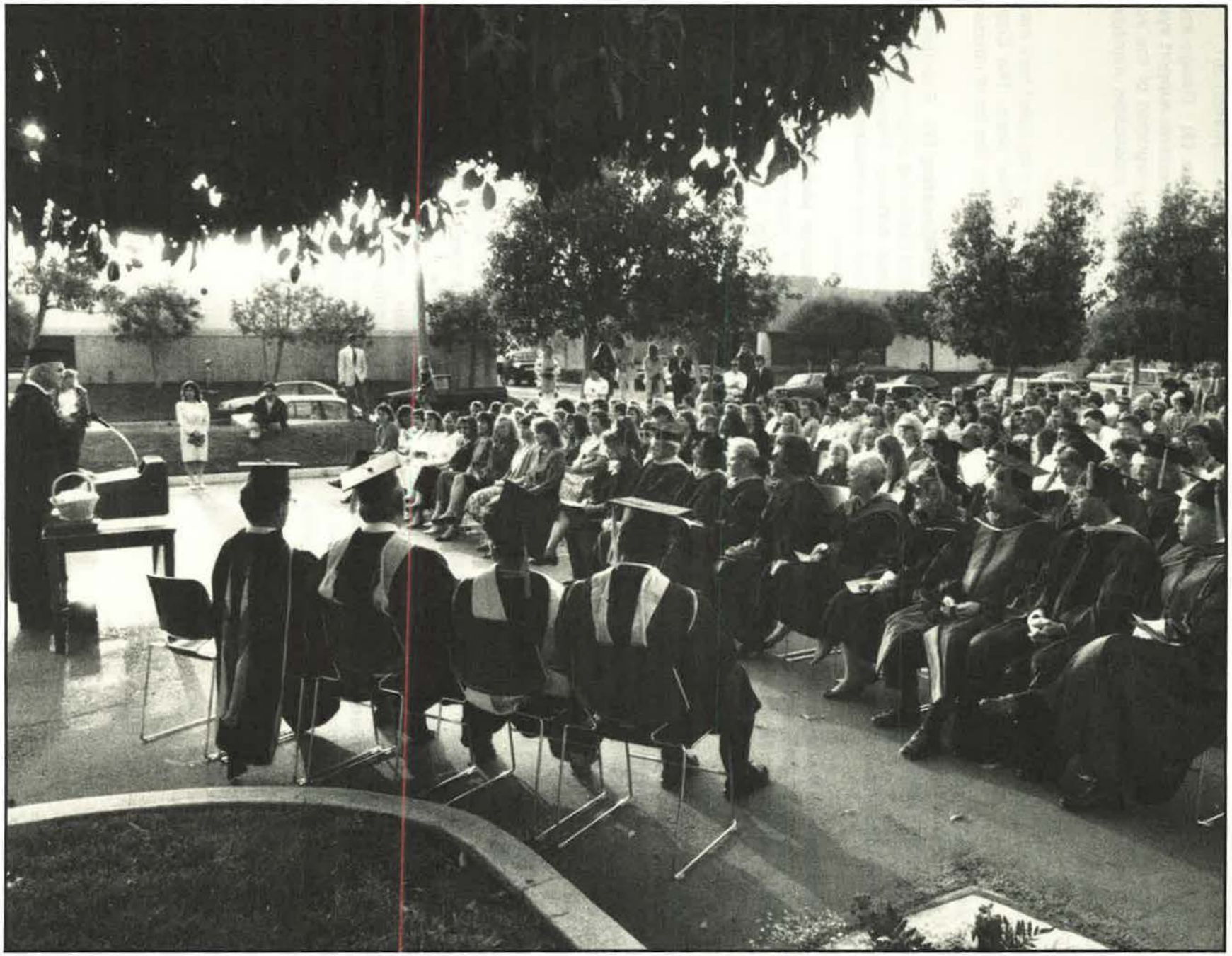
401 Marketing Research and Management (3) Analysis of the market research process, including marketing research design and strategy. Development and implementation of research-based marketing programs and analysis of promotional programs. Prerequisite: Marketing 301.

PRODUCTION:

Note: Some upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

301 Introduction to Production (3) Production processes and operations. Introduction to analysis of planning and control systems, production and capacity control, work measurement and productivity, and quality design and control.

401 Production and Operations Management (3) Inventory systems and management, master production scheduling, purchasing systems and control. Material requirements planning and just-in-time systems. Prerequisite: Production 301.



COLLEGE OF EDUCATION

College Office: Building 125
Telephone: (619) 471-4229

Teacher Education Office: Building 125
Telephone: (619) 471-4168

Dean: Steve Lilly

Associate Dean: Dorothy M. Lloyd

Director, Teacher Education Programs:
Dorothy M. Lloyd

Faculty:
Charolette R. Bell
Associate Professor, Education
Allison King
Associate Professor, Teacher Education
Steve Lilly
Professor, Teacher Education
Dorothy M. Lloyd, Founding Faculty
Professor, Teacher Education
Janet L. Powell
Assistant Professor, Teacher Education
Isabel Schon, Founding Faculty
Professor, Education

Program Offered:

Multiple Subject Teaching Credential (Elementary Education)

The mission of the College of Education is to foster continuous advancement of student learning at all levels of education, and to contribute to improvement of teaching and teacher education both within the state and nationally. We accept two fundamental beliefs which guide us in all of our activities:

1. all students can learn, not only rote facts but to reason and use their minds well, and teachers are the primary agents for this learning; and
2. in order to meet the considerable challenge that all students will learn, educators must be lifelong learners themselves, professionally empowered and skilled at problem solving and collaboration with peers to design creative, effective learning communities in schools.

The College of Education is dedicated to offering instructional programs for professional preparation of educators, programs which require participants to think and to engage themselves as a part of a powerful learning community. Course formats and teaching methods in the college reinforce collaboration and problem solving, and faculty model a wide variety of effective teaching strategies. All class participants are expected to be both learners and teachers, and assessment techniques are designed to measure reasoning and cognitive performance, not mere recall and regurgitation of discrete bits of knowledge. Field experiences are carefully planned to ensure that classroom learning is guided by the realities and challenges of current reform efforts in education.

The College of Education currently offers the Multiple Subject Credential Program, preparing teachers primarily for service in California's elementary schools. In addition, we offer courses required for the Professional Clear Teaching Credential, the field experience course required for entry into credential programs, and elective courses of interest to both area educators and undergraduate students who intend to enter the teaching profession. In fall, 1992, we will offer three new programs: a credential program in Bilingual Education, a credential program in Middle School Education, and a master's program to help teachers become effective leaders in school reform efforts in their schools and districts.

The CSU, San Marcos Teacher Education program is field-based. Candidates spend a considerable amount of time in field experience in elementary classrooms with emphasis on the application of theory into practice, observation and participation in classrooms, and gradual assumption of teaching responsibilities.

Admission Requirements for the Multiple Subject Teaching Credential

1. **CBEST Examination.** Students must pass the California Basic Educational Skills Test (CBEST) ***prior to admission*** to the Multiple Subject Teaching Credential program. Students are urged to take this examination at the earliest possible time after deciding to pursue a teaching credential.

2. **National Teachers Examination or Liberal Studies.** The liberal studies major may be selected in preparation for the Multiple Subject Teaching Credential program. CSU, San Marcos accepts students who have completed approved liberal studies programs at other colleges or universities. Such programs must include eighty-four (84) semester units distributed among the four areas listed below, with no more than a three-unit variance for any area. (See liberal studies section of this catalog.)
   a. English, including grammar, literature, and speech.
   b. Mathematics, physical, and life sciences.
   c. Social sciences.
   d. Humanities and the fine arts, including foreign languages and physical education.

Students who have academic majors other than liberal studies must pass the National Teachers Examination, Core Battery, General Knowledge section, ***prior to admission*** to the Multiple Subjects Teaching Credential Program.

3. **Prerequisite Course in Education: Completion of Education 350—Early Field Experience.** This required course serves as an orientation to careers in elementary education. During this course, students will participate in forty-five (45) hours of supervised fieldwork assignments in elementary classroom settings. A recommendation from the course instructor is a requirement for admission to the Multiple Subject Teaching Credential program. Education 350 or its equivalent must have been completed within five (5) years prior to beginning the program.
4. **Grade-Point Average.** A student must have a grade-point average (GPA) within the upper one-half of undergraduate students in the candidate's discipline/major at the appropriate California State University. For applicants who have earned a bachelor's degree at a non-CSU campus, the median grade-point average of the discipline/major for the CSU system determines the minimum requirement. The required GPAs are available from the College of Education.
5. **Health Clearance.** Tuberculin clearance is required. A clearance from a private physician or the County Health Department will be accepted.
6. **Certificate of Clearance.** Students must have applied for a Certificate of Clearance before admission to the Multiple Subject Teaching Credential program. Information regarding the Certificate of Clearance may be obtained from the College of Education.
7. **Personal Interview.** Candidates will be interviewed before being admitted to the program. A written statement of goals and philosophy will be required from each candidate at the time of the interview.

Multiple Subject Teaching Credential Requirements

Applicants may be granted a ***preliminary credential*** if they meet the following requirements:

1. A bachelor's degree with any major other than education.
2. Passage of subject matter examination (National Teacher Examination, Core Battery, General Knowledge section) or approved waiver program (liberal studies major).
3. Completion of an approved program of professional education.
4. Knowledge of U.S. Constitution demonstrated by completion of a college-level course or college-level examination.
5. Passage of California Basic Education Skills Test (CBEST).

The requirements for obtaining a ***clear credential*** are:

1. Completion of the requirements for the preliminary credential. The preliminary credential holder must complete the requirements for the clear credential within five (5) years of receiving the preliminary credential.
2. Completion of a course in health/drug education and nutrition which meets Commission on Teacher Credentialing (CTC) guidelines.
3. Completion of a mainstreaming course (methods of providing educational opportunities for exceptional students, e.g., students with special needs).
4. Completion of a course in computer education to satisfy computer literacy.

PROFESSIONAL EDUCATION SEQUENCE—PRELIMINARY MULTIPLE SUBJECT TEACHING CREDENTIAL

First Semester		**Units**
Education 420	Learning and Instruction	3
Education 430A	Teaching Reading in the Elementary School	3
Education 451	Beginning Student Teaching in the Elementary School	6
Education 452	Student Teaching and Multicultural/ Bilingual Seminar	2
Education 460A	Elementary School Curriculum: Teaching Mathematics in the Elementary School	2
Total		**16**

Second Semester		**Units**
Education 430B	Teaching Reading in the Elementary School	1
Education 460B	Curriculum Integration and Teaching of Social Studies/Sciences in the Elementary School	3
Education 461	Advanced Student Teaching in the Elementary School	9
Education 462	Advanced Student Teaching Seminar	(1–2)
Total		**14–15**

All courses, except student teaching, are graded A, B, C, D, F. Credit/No Credit (CR/NC) is given for student teaching and the student teaching seminars. The **minimum** acceptable final grade for the courses in the professional education sequence is C (2.0).

EDUCATION COURSES

Note: All courses required for the multiple subject teacher credential are currently offered. Some of the other upper-division courses listed here may not be offered during the initial years. The Class Schedule should be consulted for the list of courses which will be offered.

350 Early Field Experience (3) Required for all credential candidates. An orientation to careers in elementary education. Participation in forty-five (45) hours of supervised fieldwork assignments in elementary classroom settings.

400 Children's Literature (3) Selecting, analyzing, and using modern and classic literature with young readers. Requires forty-five (45) hours of participation in a public school or related setting.

420 Learning and Instruction (3) Introduction to psychology of learning and instruction. Includes the foundations of learning theories and their application to educational practice. Requires participation in public schools. Restricted to candidates officially admitted to the Credential Program. Prerequisite: Admission to Multiple Subject Teaching Credential Program.

430A Teaching Reading in the Elementary School (3) Focuses on the place of reading in a total language arts curriculum; methods and materials in teaching reading; organization and assessment; various approaches and techniques used in teaching reading; and methods and materials for the culturally and/or linguistically diverse. Prerequisite: Admission to Multiple Subject Teaching Credential Program.

430B Teaching Reading in Elementary School (1) Continuation of reading in the total language arts curriculum and other language arts areas; methods and materials in teaching reading; organization and assessment; various approaches and techniques used in teaching reading; and methods and materials for the culturally and/or linguistically diverse. Prerequisite: Education 430A.

451 Beginning Student Teaching in the Elementary School (6) Observation and teaching in selected schools under the supervision of a classroom teacher and university instructor. Graded Credit/No Credit. Corequisite: Education 452.

452 Student Teaching and Multicultural/Bilingual Seminar (2) Directed reflection and discussion related to the student teaching experience; planning for and teaching in multicultural/bilingual settings and appropriate reading. Graded Credit/No Credit. Corequisite: Education 451.

460A Elementary School Curriculum: Teaching Mathematics in the Elementary School (2) Focuses on curriculum development, methods, techniques, materials, planning, organization and assessment in various elementary school curricula, and curriculum integration. Prerequisite: Admission to Multiple Subject Teaching Credential Program.

460B Curriculum Integration and Teaching of Social Studies/Sciences in the Elementary School (3) Focuses on curriculum development, methods, techniques, materials, planning, organization and assessment in various elementary school curricula, with special emphasis on social studies and science. The integration of curricular areas is addressed. Prerequisite: Admission to Multiple Subject Teaching Credential Program.

461 Advanced Student Teaching in the Elementary School (9) Teaching in an elementary classroom under direct supervision of a classroom teacher and university instructor. Graded Credit/No Credit. Corequisite: Education 462. Prerequisites: Education 451 and 452.

462 Advanced Student Teaching Seminar (1–2) Directed discussions and reflection on classroom teaching, effective schools and classrooms and appropriate reading. Graded Credit/No Credit. Corequisite: Education 461.

500 Computer-Based Technologies in Education (3) Examines the use of a variety of computer-based technologies as a tool in developing problem-solving and critical thinking skills in the teaching/learning process. Prerequisite: Successful completion of the university computer literacy requirement.

501 Mainstream Instruction For Students With Special Learning Needs (3) Rationale, techniques, strategies for teaching special-needs students successfully in the general classroom. Issues in learning diversity and mainstreaming as they relate to the classroom teacher's role in teaching all students.

510 Educational Psychology: Classroom Learning (3) Theoretical and empirical foundations of learning in the classroom milieu. Critical exposure to research and method in instructional psychology.

520 Research in Reading (3) For students interested in applied research problems, reading instruction, and major issues related to reading research. Prerequisite: Consent of instructor.

525 Reading—Teaching Bilingual Students (3) Acquaints teachers with theory and practice in second language acquisition and with strategies for developing word recognition and comprehension in native language and second language reading (Spanish-English emphasis).

530 Bilingual Teaching Strategies (3) Techniques, strategies, and materials for teaching bilingual students. Language assessment methods for grouping and evaluating bilingual students.

550 Students at Risk: Psychological and Educational Perspectives (3) Exploration of psychological, social and educational factors, and implications of school failure. Addresses strategies for early identification, intervention, and prevention of such failure. (Also offered as Psychology 550. Students may not receive credit for both.) Two hours of lecture and three hours of participation in public school or related setting.

551 Cultural Diversity in the Schools (3) Content focuses on methods for working more effectively with students in which language and culture may be a barrier to learning. Requires a minimum of twenty (20) hours of participation in public school or related setting.

552 Topics in Education (3) Discussion of topics in education and revision of relevant literature. Topics may include: Effective Schools Research; Contemporary Social Problems in the Schools (e.g., violence, teen pregnancy, adolescent sexuality, drug abuse, etc.); Special Topics (e.g., teaching sex education); Techniques for Increasing Parent Involvement; Cooperative Teaching and Education; and Violence in the Schools. Participation in public school or related setting will be required. May be repeated for credit as topics change.

560 Curriculum Development (3) Issues, trends principles, patterns, and procedures in curriculum development.

597 Seminar in Education (1-3) Study of current issues in education. Courses may be repeated for credit as subject matter changes. Prerequisite: Consent of instructor.

599 Independent Study (1-3) Individual library study or research under direction of a faculty member. Study plan must be approved by the fourth week of classes. May be repeated, but no more than three units of credit may be counted toward the major. Prerequisites: Completion of at least three upper-division courses in education and consent of instructor.



1991-1992

FACULTY AND ADMINISTRATION

FACULTY AND ADMINISTRATION 1989—1991

Allison, Terry L. (1991)
Associate Librarian

B.A., University of California, Berkeley
M.L.S., University of California, Berkeley

Amado, Albert M. (1989)
Assistant Vice President for Physical Planning and Campus Construction

B.Arch., University of Arizona;
State of California Architect License

Arnold, Roger A. (1990)
Professor of Economics

B.S., University of Birmingham, England;
M.A., Virginia Polytechnic Institute;
Ph.D., Virginia Polytechnic Institute

Baker, Therese L. (1989)
Professor of Sociology
Founding Faculty

B.A., Cornell University;
Ph.D., University of Chicago

Bell, Charolette R. (1989)
Associate Professor of Education

B.A., Dillard University;
M.A., University of Northern Colorado;
Ed.D., University of Northern Colorado

Biggs, Bonnie (1990)
Senior Assistant Librarian

B.A., San Diego State University
M.L.S., University of Southern California

Boehning, Rochelle (1990)
Professor of Computer Science

B.S., Pittsburg State University;
M.S., Pittsburg State University;
M.S., University of Missouri-Rolla
Ph.D., University of Missouri-Rolla

Borin, Jacqueline (1990)
Senior Assistant Librarian

Chartered Librarian, Hammersmith and West London College

Chaffin, Sheila M. (1990)
Assistant Vice President for Physical Planning and Capital Budget

B.Arch., University of Southern California;
M.S., Cornell University

Clark, Stella T. (1990)
Professor of Spanish/Foreign Languages

B.A., University of Mississippi;
M.A., University of Kansas;
Ph.D., University of Kansas

Cohen, Larry W. (1989)
Professor of Biology
Founding Faculty

B.A., University of California, Los Angeles;
M.A., University of California, Los Angeles;
Ph.D., University of California, Los Angeles

Diehr, George (1990)
Professor of Management Information Systems

B.S., Harvey Mudd College;
M.B.A., University of California, Los Angeles;
Ph.D., University of California, Los Angeles

Farris, Patricia L. (1990)
Director, Business Services

B.A., San Diego State University;
M.A., United States International University, San Diego

Funes, Donald J. (1990)
Professor of Music/Fine Arts

B.A., Western Washington University;
M.A., Western Washington University;
D.M.A., University of Oregon

Green, Suzanne E. (1989)
Director, Financial Services

B.A., San Diego State University

Gray, Marti A. (1989)
Assistant to the Executive Vice President

B.A., Southern Oregon State College;
M.B.A., San Diego State University

Gundersen, Joan R. (1989)
Professor of History
Founding Faculty

B.A., Monmouth College;
M.A., The College of William and Mary;
Ph.D., University of Notre Dame

Haven, Eugenia E. (1989)
Director, Curriculum Services

B.S., California State University, San Bernardino

Herlihy, Catherine S. (1991)
Senior Assistant Librarian

B.A., Lake Erie College;
A.M.L.S., University of Michigan

Hinton, Bernard L. (1989)
Dean (Acting), College of Business Administration
Professor of Management
Founding Faculty

B.S., Wayne State University;
M.B.A., Wayne State University;
Ph.D., Stanford University

Huff, Betty J. (1990)
Director, Admissions and Records

B.A., University of South Alabama;
M.A., University of Georgia

FACULTY AND ADMINISTRATION 1989–1991

Jessup, Leonard M. (1990)
Assistant Professor of Management Information Systems

B.A., California State University, Chico;
M.B.A., California State University, Chico;
Ph.D., University of Arizona

King, Alison (1990)
Associate Professor of Teacher Education

B.A., California State University, Fullerton;
M.A., California State University, Long Beach;
Ph.D., University of California, Riverside

Kuchler, Sandra R. (1991)
Director, Student Development

B.A., San Diego State University;
M.S., San Diego State University

Kwan, Edmond K. (1990)
Professor of Finance

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APPENDIX

FRESHMAN ADMISSION REQUIREMENTS

The following information may be used by students planning to seek admission to California State University, San Marcos in future academic years as freshmen in 1995 or as upper-division transfer students starting in 1991. The information detailed herewith may also be found in the CSU Admission Booklet available at the University's Office of Admissions and Records, or at any high school and/or community college admissions office.

Students will qualify for regular admission to a CSU campus as first-time freshmen if they

1. are high school graduates,
2. have a qualifiable eligibility index (see Eligibility Index), and
3. have completed with grades of C or better the courses in the comprehensive pattern of college preparatory subject requirements (see "Subject Requirements" section and "Phase-in of the Subject Requirements" section). Courses must be completed prior to the first enrollment in the California State University.

Eligibility Index—The eligibility index is the combination of the student's high school grade-point average and his/her score on either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). For this purpose, the campus computes the grade point average on grades earned during the student's final three years of high school (excluding physical education and military science) and bonus points for approved honors courses. Up to eight semesters of *honor courses* taken in the last two years of high school can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

Students can calculate the index by multiplying their grade-point average by 800 and adding their total score on the SAT. Or, if they took the ACT, multiply their grade point average by 200 and add ten times the ACT composite score. California high school graduates (or legal residents of California for tuition purposes) need a minimum index of 2800 using the SAT or 694 using the ACT. The Eligibility Index Table, listed below, illustrates several combinations of required test scores and averages.

Students who neither graduated from a California high school nor are residents of California for tuition purposes, need a minimum index of 3402 (SAT) or 842 (ACT).

Students with grade point averages of 3.00 or above (3.60 for nonresidents) are exempt from the test requirement. However, students are urged to take the SAT or ACT since all campuses use test results for advising and placement purposes.

Eligibility Index Table for California High School Graduates or Residents of California

G.P.A.	A.C.T. Score	S.A.T. Score	G.P.A.	A.C.T. Score	S.A.T. Score
3.00 and above qualifies with any score					
2.99	10	410	2.48	20	820
2.98	10	420	2.47	20	830
2.97	10	430	2.46	21	840
2.96	11	440	2.45	21	840
2.95	11	440	2.44	21	850
2.94	11	450	2.43	21	860
2.93	11	460	2.42	21	870
2.92	11	470	2.41	22	880
2.91	12	480	2.40	22	880
2.90	12	480	2.39	22	890
2.89	12	490	2.38	22	900
2.88	12	500	2.37	22	910
2.87	12	510	2.36	23	920
2.86	13	520	2.35	23	920
2.85	13	520	2.34	23	930
2.84	13	530	2.33	23	940
2.83	13	540	2.32	23	950
2.82	13	550	2.31	24	960
2.81	14	560	2.30	24	960
2.80	14	560	2.29	24	970
2.79	14	570	2.28	24	980
2.78	14	580	2.27	24	990
2.77	14	590	2.26	25	1000
2.76	15	600	2.25	25	1000
2.75	15	600	2.24	25	1010
2.74	15	610	2.23	25	1020
2.73	15	620	2.22	25	1030
2.72	15	630	2.21	26	1040
2.71	16	640	2.20	26	1040
2.70	16	640	2.19	26	1050
2.69	16	650	2.18	26	1060
2.68	16	660	2.17	26	1070
2.67	16	670	2.16	27	1080
2.66	17	680	2.15	27	1080
2.65	17	680	2.14	27	1090
2.64	17	690	2.13	27	1100
2.63	17	700	2.12	27	1110
2.62	17	710	2.11	28	1120
2.61	18	720	2.10	28	1120
2.60	18	720	2.09	28	1130
2.59	18	730	2.08	28	1140
2.58	18	740	2.07	28	1150
2.57	18	750	2.06	29	1160
2.56	19	760	2.05	29	1160
2.55	19	760	2.04	29	1170
2.54	19	770	2.03	29	1180
2.53	19	780	2.02	29	1190
2.52	19	790	2.01	30	1200
2.51	20	800	2.00	30	1200
2.50	20	800			
2.49	20	810	Below 2.00 does not qualify for regular admission		

Students will qualify for regular admission when the University verifies that they have a qualifiable eligibility index and will have completed the comprehensive pattern of college preparatory subjects and, if applying to an impacted program, meet supplementary criteria. Students will still qualify for regular admission, **on condition**, if they are otherwise eligible but are missing a limited number of the required subjects (see "Phase-in of the Subject Requirements"). "Conditional admission" is an alternative means to establish eligibility for regular admission. Students are encouraged to consult with a counselor if they have questions.

Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

Subject Requirements

The California State University requires that first-time freshman applicants complete, with grades of C or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- **English, 4 years.**
- **Mathematics, 3 years:** algebra, geometry, and intermediate algebra.
- **U.S. history or U.S. history and government, 1 year.**
- **Science, 1 year** with laboratory: biology, chemistry, physics, or other acceptable laboratory science.
- **Foreign language, 2 years** in the same language (subject to waiver for applicants demonstrating equivalent competence).
- **Visual and performing arts, 1 year**: art, dance, drama, theater, or music.
- **Electives, 3 years**: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts, and agriculture.

Phase-in of the Subject Requirements

The California State University is phasing in the freshmen subject requirements and during the phase-in period will admit, **on condition**, applicants who meet all other admission requirements but are missing a limited number of the required subjects. Students admitted on condition must make up missing subjects after enrolling in The California State University.

The phase-in schedule is:

Fall 1991—Summer 1992: at least 13 of the required 15 units, including at least 3 of the units required in English and 2 of the units required in mathematics.

Fall 1992 and later: full implementation of the 15-unit requirement expected.

Foreign Language Subject Requirement

The foreign language subject requirement may be satisfied by applicants who demonstrate competence in a language other than English equivalent to or higher than expected of students who complete two years of foreign language study. Consult with your school counselor or any CSU campus admissions or relations with schools office for further information.

Subject Requirement Substitution for Students with Disabilities

Disabled student applicants are strongly encouraged to complete college preparatory course requirements if at all possible. If an applicant is judged unable to fulfill a specific course requirement because of his or her disability, alternative college preparatory courses may be substituted for specific subject requirements. Students who are deaf and hearing impaired, are blind and visually impaired, or have learning disabilities, may in certain circumstances qualify for substitutions for the foreign language, laboratory science, and mathematics subject requirements. Substitutions may be authorized on an individual basis after review and recommendation by the applicant's academic adviser or guidance counselor in consultation with the director of a CSU disabled student services program. Although the distribution may be slightly different from the course pattern required of other students, students qualifying for substitutions will still be held to 15 units of college preparatory study. Students should be aware that course substitutions may limit later enrollment in certain majors, particularly those involving mathematics. Further information and substitution forms can be obtained by contacting the Coordinator of Disabled Student Services at your nearest CSU campus.

Making Up Missing College Preparatory Subject Requirements

Undergraduate transfer applicants who did not complete the subject requirements while in high school may make up missing subjects in any of the following ways. One college course of at least three se-

mester or four quarter units will be considered equivalent to one year of high school study.

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better.
3. Earn acceptable scores on specified examinations.
4. Applicants with 56 or more semester (84 quarter) units may complete, with a C or better in each course, one of the following alternatives:
   a. ***1987 or earlier high school graduates:*** the CSU General Education requirements in communication, in the English language (at least 9 semester units) and mathematics (usually 3 semester units);
   b. ***1988 and later high school graduates:*** complete a minimum of 30 semester (45 quarter) units to be chosen from courses in English, arts and humanities, social science, science, and mathematics of at least equivalent level to courses that meet General Education or transfer curriculum requirements. Each student must complete all CSU General Education requirements in communication, in the English language (at least 9 semester units), and mathematics as part of the thirty-unit requirement.

Please consult with any CSU Office of Admissions and Records for further information about alternative ways to satisfy the subject requirements.

Test Requirements

Transfer applicants who have fewer than 56 semester (84 quarter) units of transferable college credit must submit scores from either the Scholastic Aptitude Test (SAT) of the College Board or the American College Test Program (ACT). Students may get registration forms and the dates for either test from school or college counselors or from a campus testing office. Or, students may write to:

The College Board (SAT)
Registration Unit, Box 592
Princeton, New Jersey 08541
(609) 771-7588

American College Testing Program (ACT)
Registration Unit, P.O. Box 168
Iowa City, Iowa 52240
(319) 337-1270

Placement Tests

The California State University requires new students to be tested in English and mathematics as soon as possible after they are admitted. These are not admission tests, but a way to determine if students are prepared for college work and, if not, to counsel them on how to strengthen their preparation. Students might be exempted from one or both of the tests if they have scored well on other specified tests or completed appropriate courses.

English Placement Test (EPT)

The CSU English Placement Test must be completed by all new undergraduates * with the exception of those who present proof of one of the following:

- a score of 3, 4, or 5 on either the Language and Composition or Composition and Literature examination of the College Board Advanced Placement Program;
- a score on the CSU English Equivalency Examination that qualifies a student for exemption from the English Placement Test;
- a score of 470 or above on the Verbal section of the College Board Scholastic Aptitude Test (SAT-Verbal);
- a score of 22 or above on the ACT English Usage Test;
- a score of 25 or above on the ACTE (enhanced) English Test;
- a score of 600 or above on the College Board Achievement Test in English composition with essay; **or**
- for transfer students, completion and transfer to the CSU of an acceptable college course in English composition of four quarter or three semester units with a grade of C or better.

Entry Level Mathematics Test (ELM)

All new undergraduate students must take the test and pass it before enrolling in a course that satisfies the college level mathematics requirement of the General Education-Breadth program. Exemptions from the test are given only to those students who can present proof of one of the following:

- a score of 3 or above on the College Board Advanced Placement Mathematics examination (AB or BC);
- a score of 530 or above on the mathematics section of the Scholastic Aptitude Test (SAT-Math);
- a score of 23 or above on the ACT Mathematics Test;
- a score of 23 or above on the ACTE (enhanced) Mathematics Test;

* Undergraduates admitted with 56 or more transferable semester (84 quarter) units and who are subject to a campus catalog earlier than 1986–87 are not required to complete the EPT.

- a score of 520 or above on the College Board Math Achievement Test;
- a score of 540 or above on the College Board Math Achievement Test, Level 2; or
- for transfer students, completion and transfer to the CSU of a college course that satisfies the General Education-Breadth requirement in quantitative reasoning, provided such course was completed with a grade of C or better.

Failure to take either of these tests, as required, at the earliest opportunity after admission may lead to administrative probation, which according to Section 41300.1, Title 5, California Code of Regulations, and CSU Executive Order 393 may lead to disqualification from future attendance.

Information bulletins and registration materials for the EPT can be mailed to students subject to the requirements. The materials may also be obtained from any Office of Admissions and Records.

High School Students

Students still enrolled in high school will be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus discipline advisor and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given program and does not constitute the right to continued enrollment.

Adult Students

As an alternative to regular admission criteria, an applicant who is twenty-five years of age or older may be considered for admission as an adult student, if he or she meets one of the following conditions:

1. Possesses a high school diploma (or has established equivalence through either the Tests of General Educational Development or the California High School Proficiency Examination).
2. Has not been enrolled in college as a full-time student for more than one term during the past five years.
3. If there has been any college attendance in the last five years, has earned a C average or better.

Consideration will be based upon a judgment as to whether the applicant is likely to succeed and will include an assessment of basic skills in the English language and mathematical computation.

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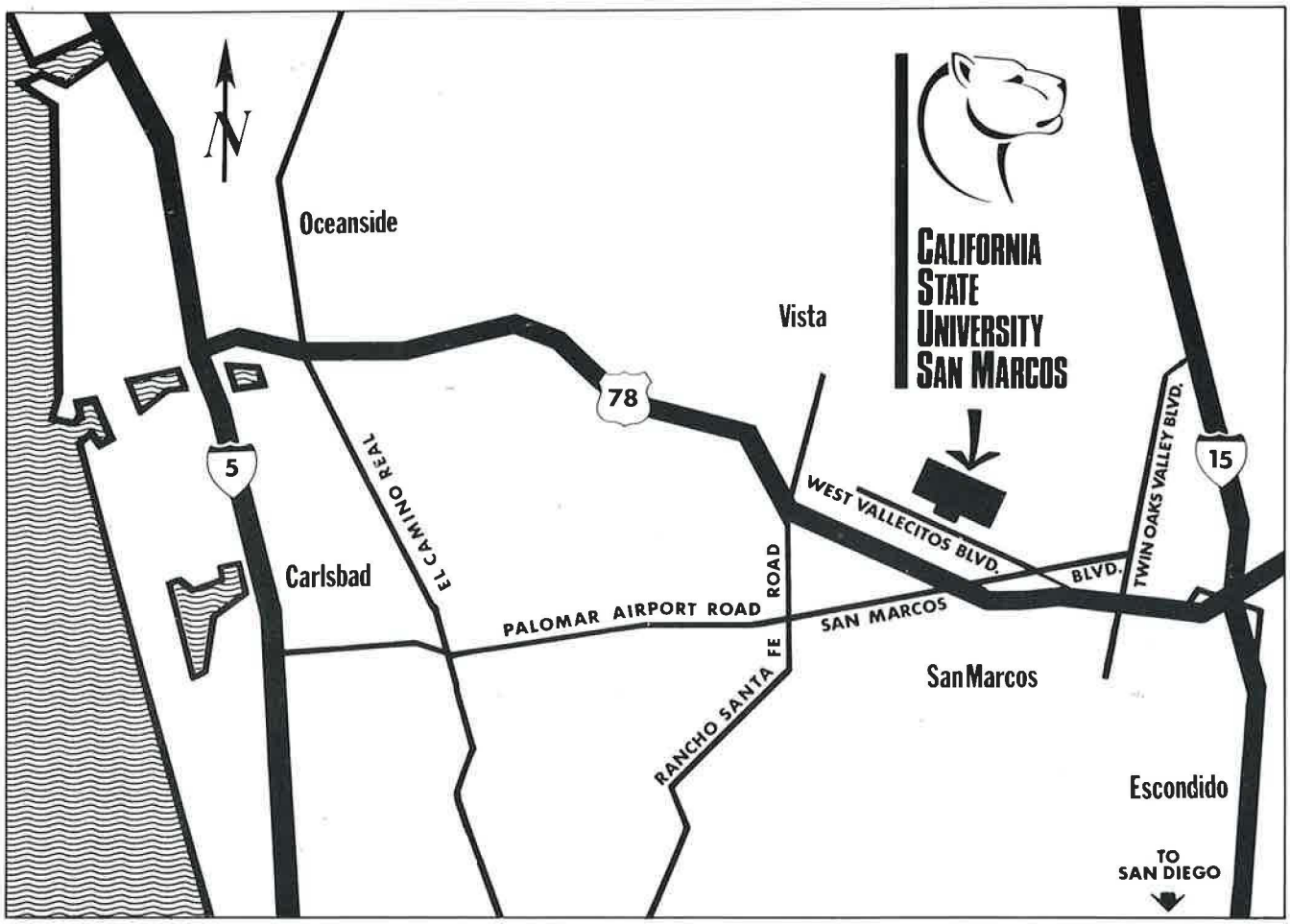
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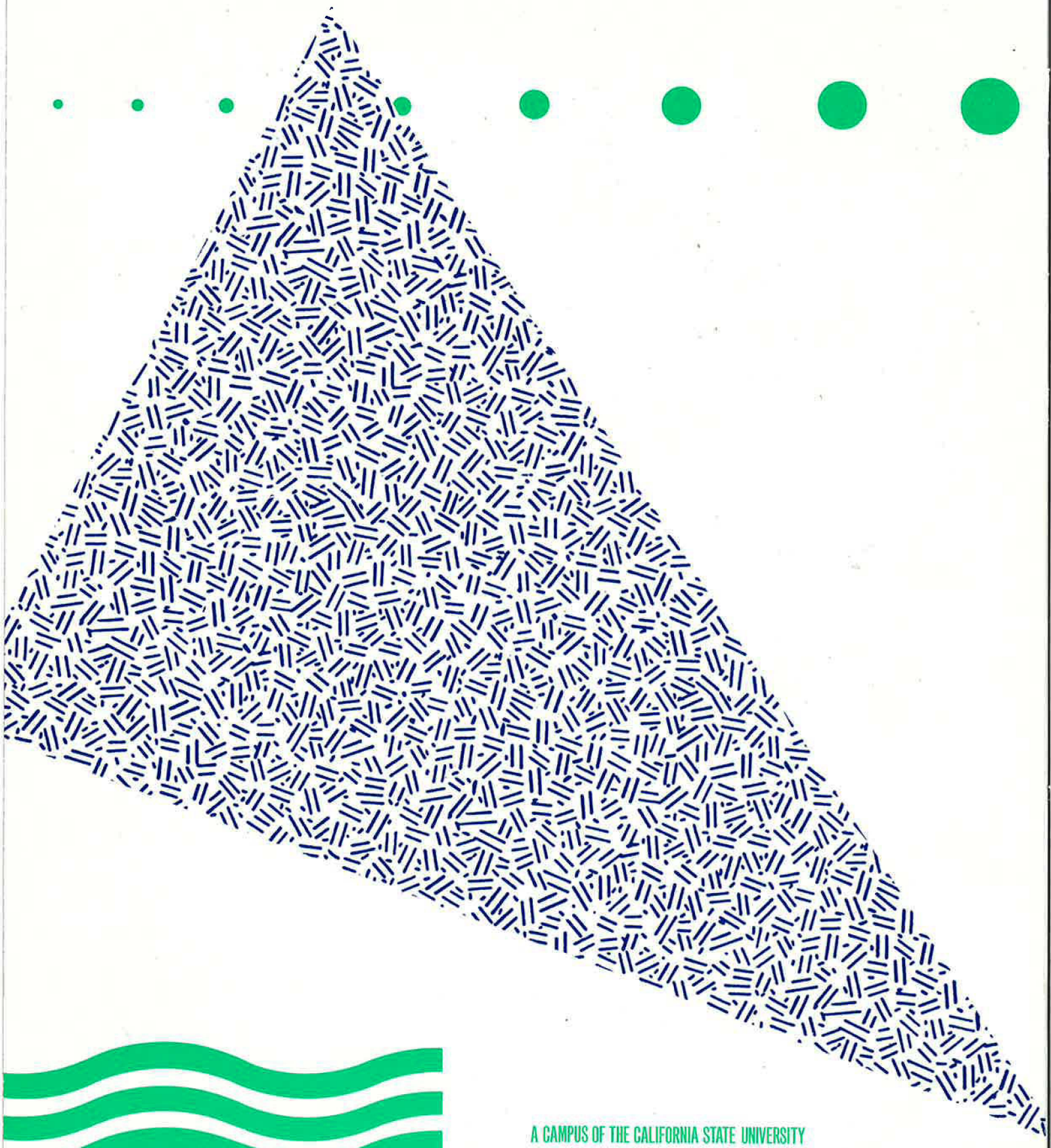
820 West Los Vallecitos Boulevard, San Marcos, California 92096 (619) 471-4119

Directions to CSU, San Marcos from Highway 78 going West

1. Use the San Marcos Boulevard exit. Stay on right side of off-ramp.
2. Go straight, after the four-way stop; you are crossing San Marcos Boulevard.
3. The frontage road you are on is West Los Vallecitos Boulevard. Keep going straight, follow the University signs.

Directions to CSU, San Marcos from Highway 78 going East

1. Use the San Marcos Boulevard exit. Stay on the left side of off-ramp.
2. Turn left at the light. Go under the freeway bridge and come to the four-way stop. Turn left onto the frontage road.
3. You are now on West Los Vallecitos Boulevard. Keep going straight, follow the University signs.



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