



# Accounting

Mihaylo College of Business and Economics

## DEPARTMENT CHAIR

Betty Chavis

## DEPARTMENT OFFICE

Steven G. Mihaylo Hall 4313

## DEPARTMENT WEBSITE

[www.business.fullerton.edu/accounting](http://www.business.fullerton.edu/accounting)

## PROGRAMS OFFERED

Bachelor of Arts in Business Administration  
Concentration in Accounting  
Joint Emphasis in Accounting and Finance  
Master of Science in Accountancy  
Master of Science in Taxation  
Master of Business Administration  
Concentration in Accounting

## FACULTY

Fatima Alali, Betty Chavis, Paul Foote, C. Terry Grant, Gerry H. Grant, Mahamood Hassan, A. Jay Hirsch, Gerald Hoth, Wei Jiang, Vijay Karan, K. J. Kim, Andrew Luzi, Vivek Mande, Robert Miller, Jose Miranda-Lopez, Christopher Petruzzi, Mohsen Sharifi, Myungsoo Son, Kim Tarantino, Kathleen Wright

## ADVISERS

The Undergraduate Business Advising Center in Steven G. Mihaylo Hall 1201 and the Graduate Programs Advising Center in Steven G. Mihaylo Hall 3280 provide information on admissions, curriculum and graduation requirements; registration and grading procedures; residence and similar academic matters. In addition, the Department of Accounting faculty and chair provide advising on curriculum content and career opportunities in Accounting, the CPA Examination and Taxation.

## MISSION STATEMENT

Our mission is to offer high quality accounting educational programs that are relevant to a diverse group of undergraduate and graduate students. The Department of Accounting recognizes its role in society by assisting students as they prepare for successful careers in the accounting profession. The Department of Accounting also strives to advance accounting education and knowledge through basic, applied and pedagogical research and other scholarly activities, and promote valuable associations with business and professional communities.

## DEPARTMENT OBJECTIVES

### Undergraduate Education

To provide a competency-based education in accounting that qualifies accounting majors for entry-level accounting positions in private industry, government, public accounting or not-for-profit organizations. The undergraduate education also will provide a foundation for advancement through professional certification and success in graduate studies.

### Graduate Education

To provide advanced professional education that strengthens the skills of graduate students in both general and technical competencies and enhances the student's ability to enter or continue in leadership roles and to develop increased professional responsibilities in private industry, government, public accounting or not-for-profit organizations. The fifth year of graduate education also fulfills the AICPA 150-hour requirement.

### Educational Support

To serve the educational needs of the Mihaylo College of Business and Economics, as well as other colleges and departments of the university by teaching various accounting courses that may be required or requested within the resource constraints of the Department.

### Enhanced Intellectual Capital

To enhance the intellectual growth of its faculty by encouraging and supporting fundamental and applied research, as well as faculty development activities. This includes support of active participation and leadership in local, regional and national academic and professional accounting organizations.

### Community Outreach

To support student and alumni activities, and encourage outreach activities that address accounting needs of the local, regional and global communities. This support includes developing strong ongoing relationships with local and regional employers, community colleges and other community organizations.

## International Learning Opportunities in Accounting

The Department of Accounting includes an integrated international perspective in its courses at both the undergraduate and graduate levels. In addition, a graduate class in international accounting is offered for all interested students.

## Ethics

The Department recognizes that numerous ethical decisions must be made in today's business environment. Therefore, our accounting classes use cases and problems to help students develop an ability to evaluate ethical situations.

## INTRODUCTION

Accounting is often referred to as "the language of business." Very generally, the accounting process is concerned with recording, classifying, reporting and interpreting the economic data of an organization. These data are important to users, who may include managers, investors and other interested groups. Accounting helps in decision-making processes by showing how resources have been used and where commitments have been made, by judging performance, by showing the implications of following different courses of action, by determining the effects of taxation and by providing a level of assurance to investors. Reliable information in a dynamic business environment is necessary for sound decisions concerning the allocation of scarce resources. Thus, accounting plays a very significant role in our social and economic systems.

Programs in accounting are designed for students who are interested in careers in public accounting, corporate financial management, industry, government or service organizations, and for students who intend to work for advanced degrees in accounting in preparation for teaching and research.

## Teacher Credential Program Information

The Department of Accounting offers courses that may be included in the Single Subject Waiver Program in Business. Further information on the requirements for teaching credentials is contained in the Teacher Credential Programs section of this catalog.

## Department Awards in Accounting

Accounting Society Award  
Achievement Awards  
Beta Alpha Psi Award  
GPA Award  
International Student Awards  
Leadership Award  
Outstanding Graduate Student Award  
Outstanding Role Model Award  
Other Scholarship Awards  
Accounting Alumni Association Award  
AICPA Students Scholarship  
American Society of Women Accountants, Orange County Chapter

Amy Vanasse Memorial Award  
Becker CPA Review Award  
California Society of CPAs, Orange County Chapter  
Charles B. Shellenberger Accounting Scholarship  
Cynthia A. Brown Memorial Scholarship  
Deloitte & Touche, LLP Scholarship Awards  
Ernst & Young Scholarship Awards  
Federation of Schools of Accountancy Award  
Financial Executives International, Orange County Chapter  
Institute of Internal Auditors Award  
Kenneth W. Gucherean Scholarship Award  
KPMG Scholarship Awards  
Lambers CPA Review Award  
Moss Adams, LLP Scholar  
Moore Stephens Wurth Frazer & Torbert, LLP Awards  
PricewaterhouseCoopers Scholarship Awards  
RSM McGladrey, Inc. Awards  
Tax Executives Institute, Inc., Award

## BACHELOR OF ARTS IN BUSINESS ADMINISTRATION

See "Business Administration Degrees, Accounting Concentration."

## MASTER OF SCIENCE IN ACCOUNTANCY

The Master of Science in Accountancy program provides the conceptual understanding and technical competence for a career in professional accounting. Employment opportunities include public accounting, corporate financial management, industrial accounting, assurance services, government reporting and education. The program encompasses both a theoretical foundation and technical skills. Emphasis is placed on the development of a professional attitude and the capacity to deal with accounting policy and ethics issues. Graduates should be prepared for entry-level positions and for potential advancement in the profession.

The M.S. in Accountancy program is designed to accommodate students who are employed full time. Courses are offered during the late afternoon and evening hours. Students may enroll on a part-time basis.

The curriculum is designed for students with an undergraduate degree in business administration with a concentration in accounting. In addition to nine (9) units of required accounting courses, there are nine (9) units of accounting electives, nine (9) units in an area other than accounting, and a terminal research-project course. Students not holding an undergraduate degree in accounting or business are welcome to apply but will have additional requirements to satisfy as described below in the Curriculum section.

Cal State Fullerton has the only accounting program in Orange County separately accredited by the AACSB International at the undergraduate and graduate level. This assures a rigorous program, a well-qualified faculty, high standards for students and access to an

extensive library system and computing facilities. The qualifications of the M.S. in Accountancy faculty include advanced degrees in accounting, taxation and law; practical experience; and professional standing as CPAs, CMAs, and attorneys.

Most graduate courses in the Mihaylo College of Business and Economics require “classified MCBE status” and are open only to students with classified standing in the MBA, M.S. in Accountancy, M.S. in Taxation, M.S. in Information Systems, or M.A. in Economics programs.

### Application Deadlines

The deadlines for completing online applications are March 1 for the fall semester and October 1 for the spring semester ([www.csumentor.edu](http://www.csumentor.edu)). Mailed applications should be postmarked by the same deadlines; however, deadlines may be changed based upon enrollment projections.

### Admission Requirements

Admission is competitive. Applicants will be evaluated based on the following:

1. Acceptable bachelor’s degree from an appropriately accredited institution
2. Minimum grade point average (GPA) of at least 2.5 in the last 60 semester units attempted and in good standing at the last college attended
3. Satisfactory score on the Graduate Management Admission Test (GMAT). Students must score in the top 50 percent on the verbal, quantitative and analytical writing areas
4. A bachelor’s degree with a major in business administration and a concentration in accounting (equivalent to the degree and concentration as offered at CSUF) with at least an overall cumulative GPA of 3.0 (B). The degree must include calculus and software applications equivalent to passing Mathematics 135, Business Calculus, and ISDS 265, Introduction to Information Systems and Applications, with grades of at least “C” (2.0). Courses in the major are to be no more than seven years old, and courses in the accounting concentration no more than five years old. Courses in the major (including the accounting concentration) must have at least a 3.0 (B) GPA, and courses with grades lower than “C” (2.0) must be repeated. Applicants who have a bachelor’s degree in a field other than Business Administration with a concentration in accounting may be considered for admission. If admitted, such students will be required to complete additional courses or demonstrate proficiency as described in the next section (Curriculum).
5. For international students, a minimum score of 570 on the paper exam, 230 on the computer-based, or 90 on the internet based (iBT) TOEFL is required
6. Recommendation from the Accountancy Admissions Committee based upon a review of the above requirements, the student’s “Statement of Purpose” and prior work experience

Additional coursework may be required of admitted students who holistically satisfy the criteria but are weak in one of the above areas.

### M.S. ACCOUNTANCY CURRICULUM

Students admitted without a bachelor’s degree in Business Administration (with a concentration in accounting) will be required to satisfy the following requirements either prior to or during their residency at CSUF:

1. All students admitted with a business degree with a concentration other than accounting must complete the following accounting prerequisite courses: Accounting 301A, 301B, 302, 307 and 308. These accounting prerequisite courses must be completed with at least a 3.0 (B) GPA, with a “C” (2.0) or better for each individual course. Courses with grades lower than “C” must be repeated. These requirements are in addition to the Study Plan as described below.
2. All students admitted with a bachelor’s degree in a field other than Business Administration will be required to take (or demonstrate proficiency in) the following courses/academic topics either prior to or during their residency at CSUF: Mathematics 135 and InfoSys/DecSci 265; business foundation courses (Accounting 510, Economics 515, and Management 339); and accounting prerequisite courses (Accounting 301A, 301B, 302, 307, and 308). These courses must be completed with at least a 3.0 (B) GPA, with a “C” (2.0) or better for each individual course. Courses with grades lower than ‘C’ must be repeated. These requirements are in addition to the Study Plan as described next.

### Study Plan

The study plan requires 30 semester units of coursework beyond the baccalaureate degree. At least 24 of the 30 units required for the degree must be at the 500 level. A 3.0 (“B”) GPA is required in study plan courses. Any study plan course with a grade lower than “C” (2.0) must be repeated.

#### *Required Courses (9 units)*

Accounting 502 Seminar in Accounting Theory (3)

Accounting 505 Seminar in Auditing (3)

OR Accounting 521 Seminar in Management Control Systems (3)

Accounting 506 Seminar in Professional Accounting Communications (3)

#### *Electives in Accounting (9 units)\*\**

Three courses (9 units) to be selected in consultation with and approved by the student’s program adviser. At least one course, but not more than two, must be tax-related (denoted by an asterisk in the list below) for a maximum of six units in tax-related courses.

Accounting 503 Seminar in Contemporary Accounting Problems (3)

Accounting 505 Seminar in Auditing (3)

Accounting 507 Seminar in Accounting Information Systems (3)

Accounting 508 Seminar in Tax Planning (3)\*  
 Accounting 518 Seminar in International Accounting (3)  
 Accounting 521 Seminar in Management Control Systems (3)  
 Accounting 572 Seminar in Taxation of Corporations and Shareholders (3)\*  
 Accounting 573 Seminar in Taxation of Property Transactions (3)\*  
 Accounting 574 Seminar in Taxation of International Business Operations (3)\*  
 Accounting 575 Seminar in Estate, Gift, Inheritance Taxes and Estate Planning (3)\*  
 Accounting 576 Seminar in State and Local Taxation (3)\*  
 Accounting 577 Seminar in Taxation of Employee Compensation (3)\*  
 Accounting 578 Seminar in Taxation of Partnerships (3)\*

*Other Electives (9 units)*

Three courses (9 units) at the 500-level in Economics, Finance, Information Systems/Decision Science, Management, or Marketing, to be selected in consultation with, and approved by the student's adviser. Accounting courses may not be used to satisfy this requirement.

*Terminal Evaluation (3 units)*

Accounting 597 Project (3)

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\* Tax Course

\*\* Courses at the 400-level may also be used to count toward these 9 units – up to a maximum of two 400-level courses.

**MASTER OF BUSINESS ADMINISTRATION**

See “Business Administration Degrees, MBA.”

**MASTER OF SCIENCE IN TAXATION**

The Master of Science in Taxation program provides the conceptual understanding and technical competence for a career in taxation. Employment opportunities include the tax departments of CPA and law firms, as well as corporations and government tax agencies. For those already employed in this field, the M.S. in Taxation program should meet the continuing education requirements of professional associations and licensing boards.

The M.S. in Taxation program is designed to accommodate students who are employed full time. Courses are offered during the late afternoon and evening hours and most students enroll on a part-time basis. This program is offered at the main campus in Fullerton and as a fee-based program on the Irvine campus.

The curriculum is designed for students with an undergraduate degree in business administration or accounting. Students not holding such degrees are welcome to apply but will have to satisfy additional requirements as described below in the Curriculum section.

Cal State Fullerton has the only Accounting program in Orange County that is separately accredited by the AACSB International at the undergraduate and graduate level. This assures a rigorous program, a well-qualified faculty, high standards for students, and

access to an extensive library system and computing facilities. The qualifications of the M.S. in Taxation faculty include advanced degrees in taxation, accounting, and law; practical tax experience; and professional standing as CPA's and attorneys.

Most graduate courses in the Mihaylo College of Business and Economics require “classified MCBE status” and are open only to students with classified standing in the MBA, M.S. in Accountancy, M.S. in Taxation, M.S. in Information Systems, or M.A. in Economics programs.

**Application Deadlines**

The deadlines for completing online applications are March 1 for the fall semester and Oct 1 for the spring semester ([www.csumentor.edu](http://www.csumentor.edu)). Mailed applications should be postmarked by the same deadlines; deadlines may be changed based upon enrollment projections.

**Admission Requirements**

Admission is competitive. Applicants will be evaluated based on the following:

1. Acceptable bachelor's degree from an appropriately accredited institution
2. Minimum GPA of at least 2.5 in the last 60 semester units attempted and in good standing at the last college attended
3. Satisfactory score on the Graduate Management Admission Test (GMAT). Students must score in the top 50 percent on the verbal, quantitative and analytical writing areas
4. A bachelor's degree with a major in business administration equivalent to the degree as offered at CSUF with at least an overall cumulative GPA of 3.0 (B) and Accounting 308, Concepts of Federal Income Tax Accounting (or an equivalent course or work experience). The degree must include calculus and software applications equivalent to passing Mathematics 135, Business Calculus, and InfoSys/DecSci 265, Introduction to Information Systems and Applications, with grades of at least “C” (2.0). Courses in the major are to be no more than seven years old. Courses in the major must have at least a 3.0 (B) GPA, and courses with grades lower than “C” (2.0) must be repeated. Applicants with a bachelor's degree in a field other than Business Administration may be considered for admission. If admitted, such students will be required to complete additional courses or demonstrate proficiency as described in the next section (Curriculum).
5. For international students, a minimum score of 570 on the paper exam, 230 on the computer-based, or 90 on the internet based (iBT) TOEFL is required
6. Recommendation from the MS Taxation Admission Committee based upon a review of the above requirements, the student's “Statement of Purpose,” and prior work experience

Additional coursework may be required of admitted students who holistically satisfy the criteria but are weak in one of the above areas.

## M.S. TAXATION CURRICULUM

Students admitted with a bachelor's degree in a field other than business administration and without equivalent prior coursework will be required to complete Mathematics 135, InfoSys/DecSci 265, and Accounting 308, with grades of at least "C" (2.0); and also the following business foundation courses: Accounting 510; Economics 515, Finance 320 or 517, and Management 515. These courses must be completed with at least a 3.0 (B) GPA, with a grade of "C" (2.0) or better for each individual course. These requirements are in addition to the Study Plan as described next.

### Study Plan

The curriculum requires 30 semester units of coursework beyond the baccalaureate degree. At least 21 of the 30 units required for the degree must be at the 500 level. A 3.0 ("B") GPA is required in study plan courses and over-all applicable coursework. Any study plan course with a grade lower than "C" (2.0) must be repeated with at least a "C" (2.0) grade.

#### *Required Tax Course (3 units)*

Accounting 470 Tax Research, Practice and Procedures (3)

#### *Electives in Taxation and Related Fields (15 units)*

Five courses (15 units) to be selected in consultation with, and approved by, the student's program adviser. Available courses include but are not limited to:

Accounting 408 Problems in Taxation (3)

Accounting 508 Seminar in Tax Planning (3)

Accounting 572 Seminar in Taxation of Corporations and Shareholders (3)

Accounting 573 Seminar in Taxation of Property Transactions (3)

Accounting 574 Seminar in Taxation of International Business Operations (3)

Accounting 575 Seminar in Estate, Gift, Inheritance Taxes and Estate Planning (3)

Accounting 576 Seminar in State and Local Taxation (3)

Accounting 577 Seminar in Taxation of Employee Compensation (3)

Accounting 578 Seminar in Taxation of Partnerships (3)

#### *Other Electives (9 units)*

Courses are to be selected in consultation with, and approved by, the student's adviser.

One course (3 units) in either economics or political science and two courses (6 units) in either business or non-business fields.

#### *Terminal Evaluation (3 units)*

Accounting 597 Project (3)

## ACCOUNTING COURSES

Courses are designated as ACCT in the class schedule.

### 201A Financial Accounting (3)

Accounting concepts and techniques essential to the administration of a business enterprise: analyzing and recording financial transactions; accounting valuation and allocation practices; preparation, analysis and interpretation of financial statements; international accounting issues.

### 201B Managerial Accounting (3)

Prerequisite: Accounting 201A with a grade of at least "C" (2.0). Introduction to managerial accounting; product costing; budgetary control and responsibility accounting; analysis and techniques for aiding management planning and control decisions; basic income tax concepts for planning business transactions.

### 301A Intermediate Accounting (3)

Prerequisites: Accounting 201B and completion of all lower-division business administration core courses with grades of at least "C" (2.0) in each course. Corequisite: Business Admin 301. Accounting theory; preparation of income statements, balance sheets and statements of accounting theory; preparation of income statement, balance sheets and statements of cash flows, and comprehensive income; IFRS (International Financial Reporting Standards); present value concepts; assets, liabilities and stockholders' equity; revenue recognition and investments..

### 301B Intermediate Accounting (3)

Prerequisites: a grade of "C" (2.0) or better in Accounting 301A and Business Admin 301. Accounting theory; IFRS (International Financial Reporting Standards); present value concepts; assets, liabilities and stockholders equity; pensions; leases; earnings per share; financial statement analysis; accounting changes and error analysis.

### 302 Cost Accounting (3)

Prerequisites: Accounting 201B and completion of all lower-division business administration core courses with grades of at least "C" (2.0) in each course. Corequisite: Business Admin 301. Accounting information for management of manufacturing and service enterprises; cost records; cost behavior and allocation; product costing and inventory valuation; flexible budgeting; standard costs; responsibility accounting; cost planning and control; and operating decision analysis.

### 307 Accounting Information Systems (3)

Prerequisites: Accounting 201B and completion of all lower-division business administration core courses with a grade of "C" (2.0) or better in each course. Corequisite: Business Admin 301. Organization and implementation of information technology for the collection, organization, and presentation of accounting information with an emphasis on enterprise resource planning systems.

### 308 Concepts of Federal Income Tax Accounting (3)

Prerequisites: Accounting 201B and completion of all lower-division business administration core courses with grades of at least "C" (2.0) in each course. Corequisite: Business Admin 301. Provisions, legislative history and implications of the federal income tax.

### **358 Principles of Taxation (3)**

Prerequisite: Accounting 201A. Federal tax system, federal income taxation relating to federal tax system, federal income taxation relating to individuals, corporations, partnerships, and fiduciaries. Federal estate and gift taxes. Not open to accounting majors.

### **364 Entertainment Accounting (3)**

Prerequisite: Accounting 201B. Accounting and tax issues associated with media-dependent and live entertainment. Compare and contrast many of the unique differences in the industry's accounting and tax practices to standard industry practices. (No credit for accounting majors)

### **401 Advanced Accounting (3)**

Prerequisites: Accounting 301B with a grade of "C" (2.0) or better, Business Admin 301. Business combinations; meaning, usefulness and methodology of consolidated financial statements; investments in non-subsidiary affiliates and corporate joint ventures; consolidated financial statements for overseas units of U.S.-based multinational companies; translations of foreign currencies, derivatives.

### **402 Auditing (3)**

Prerequisites: Accounting 301B, 302 and 307, with grades of "C" (2.0) or better, and Business Admin 301. Auditing standards and procedures used by financial and operational auditors. Management information and computer systems, internal control, audit evidence, professional responsibilities and legal liabilities, standards of reporting financial information.

### **403 Accounting for Governmental & Nonprofit Entities (3)**

Prerequisites: Accounting 301B with grade of "C" (2.0) or better and Business Admin 301. Fund accounting as applied to governmental and nonprofit entities; state and federal governments, municipalities, hospitals and universities. Budgets, tax levies, revenues and appropriations, expenditures and encumbrances, various types of funds, and accounting statements.

### **405 Fraud Detection (3)**

Prerequisites: Accounting 307 and 301B with a grade of "C" (2.0) or better. Methods to prevent and detect fraud. Current cases dealing with accounting fraud, and appropriate methods to prevent or detect fraudulent behavior.

### **408 Problems in Taxation (3)**

Prerequisites: Accounting 308 with a grade of "C" (2.0) or better and Business Admin 301. Federal income tax as it applies to corporations, partnerships, fiduciaries, and federal estate and gift taxes as they apply to taxable transfers.

### **420 Advanced Cost Accounting (3)**

Prerequisite: Accounting 302 with a grade of "C" (2.0) or better. Advanced topics in accounting: strategic profitability analysis; cost allocation and resources; quality and Just-In Time Inventory; and investment decisions and management control.

### **422 Internal Audit and Control (3)**

Prerequisite: senior standing for accounting majors; departmental permission for other undergraduates and all graduate students. Survey of internal auditing principles and concepts. Intended for students who are interested in internal auditing.

### **460 Seminar in Financial Statement Analysis (3)**

Prerequisite: Accounting 301B. Analysis of demand and supply forces underlying the provision of financial statements; distributional, cross-sectional and time series properties of financial statement numbers; financial decision-making processes and the uses of financial statement information for decision making.

### **463 Financial Controls for Entrepreneurs (3)**

Prerequisites: entrepreneurship concentration only. Accounting 201B and Finance 320. Accounting system design for new ventures, including budgeting, purchasing, collections, payroll taxes, safeguards against error and embezzlement, financial reports, cash management, and banking relationships. Casework, research and fieldwork with selected local businesses. Not applicable for graduate degree credit.

### **470 Tax Research, Practice and Procedures (3)**

Prerequisites: Accounting 308 with a grade of "C" (2.0) or better and Business Admin 301. Methodology of tax research, including case studies; the management of a tax practice; administration procedures governing tax controversies; rights and obligations of taxpayers and tax practitioners.

### **495 Internship (1-3)**

Prerequisites: Accounting 301A, 302, and Business Admin 301, each with a grade of "C" (2.0) or better, a concentration in accounting, consent of the department internship adviser, 2.5 GPA and one semester in residence at the university. Planned and supervised work experience. May be repeated for credit up to a total of six units. Credit/No Credit only.

### **499 Independent Study (1-3)**

Prerequisites: Business Admin 301, senior standing and approval of department chair. Open to qualified undergraduate students desiring to pursue directed independent inquiry. May be repeated for credit. Not open to students on academic probation.

### **502 Seminar in Accounting Theory (3)**

Prerequisites: Accounting 301B, classified MCBE status. Effects of professional, governmental, business and social forces on the evolution of accounting theory.

### **503 Seminar in Contemporary Accounting Problems (3)**

Prerequisite: classified MCBE status. Current issues in financial reporting, including pronouncements by the Financial Accounting Standards Board and the Securities and Exchange Commission. Topics will change as new issues in accounting emerge.

**505 Seminar in Auditing (3)**

Prerequisites: Accounting 402 and classified MCBE status. Auditing theory and practices; professional ethics; auditing standards; Securities and Exchange Commission and stock exchange regulations; auditor's legal liability; statement trends and techniques.

**506 Seminar in Professional Accounting Communications (3)**

Prerequisite: classified MCBE status. Compilation and composition of accounting reports and client presentations relating to accountants' working papers, client engagement letters, management advisory reports and prospectuses.

**507 Seminar in Accounting Information Systems (3)**

Prerequisites: Accounting 307 or equivalent and classified MCBE status. Case studies of computer-based accounting systems used by organizations such as universities, banks, industrial corporations and CPA firms. Accounting information, reports and internal controls.

**508 Seminar in Tax Planning (3)**

Prerequisites: Accounting 308 and classified MCBE status. Substantive provisions of federal law; tax planning from a corporate viewpoint; case studies of the effect of federal tax law on business decisions.

**509 Accounting for Information Technology (3)**

Prerequisite: classified MCBE standing. Information processing procedures to support financial and managerial accounting processes, concepts and standards; preparation of financial statements and management reports; use of financial information for management decision making.

**510 Financial Accounting (3)**

Prerequisite: classified MCBE status. Accumulation, organization and interpretation of financial and quantitative data relevant to the activities of corporate business enterprises; analysis of financial reports; current regulatory reporting requirements with attention to business ethics and an understanding of global reporting issues.

**511 Seminar in Managerial Accounting (3)**

Prerequisites: Accounting 201B or 510 and classified MCBE status. Design and development of cost accounting systems; contemporary cost management concepts; measurement, analysis and use of accounting information for management decisions, with attention to ethical, global and environmental issues in today's corporate governance. Measurement, analysis and use of information contained in standard and various other cost systems for industry sectors such as manufacturing, distribution, service and retail.

**518 Seminar in International Accounting (3)**

Prerequisites: Accounting 201B or 510 and classified MCBE status. Comparative analysis of accounting principles and practices outside the United States; international financial accounting standards; current problems of international financial reporting, accounting planning and control for international operations; multinational companies.

**521 Seminar in Management Control Systems (3)**

Prerequisites: Accounting 302 or 511 and classified MCBE status. Integrative aspects of accounting, financial and quantitative data for managerial decision-making; long-term, short-term profit planning; budgetary control; cost analysis; financial analysis and planning; taxation; and transfer pricing.

**572 Seminar in Taxation of Corporations and Shareholders (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal taxation relating to corporations; organizing, distributions, liquidations and reorganizations.

**573 Seminar in Taxation of Property Transactions (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal taxation relating to sales, exchanges and other transfers.

**574 Seminar in Taxation of International Business Operations (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal taxation relating to U.S. citizens and corporations with foreign source income and of foreign persons with U.S. source income; planning for foreign operations.

**575 Seminar in Estate, Gift, Inheritance Taxes and Estate Planning (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal and California death taxes and the planning of personal estates.

**576 Seminar in State and Local Taxation (3)**

Prerequisites: Accounting 308 and classified MCBE status. Application of interstate income allocations; multi-state tax compact; separate apportionment accounting; foreign country sourced income. California taxes as applied to businesses and individuals.

**577 Seminar in Taxation of Employee Compensation (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal taxation relating to employee compensation including pensions and profit sharing, stock options, ESOPs, IRAs, Keoghs, maximum tax 5-year averaging, death benefits, group term life, etc.

**578 Seminar in Taxation of Partnerships (3)**

Prerequisites: Accounting 308 and classified MCBE status. Federal taxation relating to partnerships, estates, trusts and other special entities.

**597 Project (3)**

Prerequisite: classified MCBE status. Directed independent inquiry. Not open to students on academic probation.

**599 Independent Graduate Research (1-3)**

Prerequisites: classified MCBE status, approval of department chair and Associate Dean. May be repeated for credit. Not open to students on academic probation.



# Afro-Ethnic Studies

College of Humanities and Social Sciences

## INTRODUCTION

Afro-Ethnic Studies is a multidisciplinary approach to understanding the black experience as it relates to life in America as part of a world community. In addition to degree programs in Afro-Ethnic Studies, the department provides coursework in Ethnic Studies in general (e.g., Intercultural Socialization) and other specific ethnic groups (e.g., American Indian). The B.A. in Ethnic Studies (Afro-Ethnic Studies) requires a minimum of 120 units, which includes courses for the option General Education, all-university requirements and free electives. The option consists of 30 units: 101 or 107, 190 and a minimum of 24 units in upper-division courses. Students majoring in the Afro-Ethnic Studies program acquire a special preparation in, and sensitivity to, life in America and the world community. The program is multidisciplinary in nature, since aspects of Afro-Ethnic Studies affect and are affected by other programs.

Graduates from the Afro-Ethnic Studies program go into careers in teaching, corrections, community development, community leadership, social work, urban research, law, civil service, industrial relations and a variety of comparable fields. Many go into graduate work in this field and some enter more traditional disciplines where a general knowledge of social sciences and humanities is a prerequisite.

## INTERNATIONAL LEARNING OPPORTUNITIES IN AFRO-ETHNIC STUDIES

The major in Afro-Ethnic Studies includes courses that examine broad African and non-African issues. Such courses include Introduction to Ethnic Studies, Intracultural Socialization Patterns and History of Racism. Additionally, students are encouraged to participate in the California State University International Program (CSUIP).

## BACHELOR OF ARTS IN ETHNIC STUDIES (OPTION IN AFRO-ETHNIC STUDIES)

### Lower-Division Courses (6 units required)

Afro 101 Introduction to Ethnic Studies (3) and/or

Afro 107 Introduction to Afro-American Studies (3) and/or

Afro 190 Survey of American History with Emphasis on Ethnic Minorities (3)

### Upper-Division Courses (24 units minimum)

*Core Courses (15 units required), selected from the following:*

Afro 304 The Black Family (3)

Afro 311 Intracultural Socialization Patterns (3)

Afro 317 Black Politics (3)

Afro 320 Black Political Thought (3)

Afro 322 Psychology of African Americans (3)

Afro 324 Afro-American Literature (3)

Afro 335 History of Racism (3)

Afro 346 African Experience (3)

Afro 381 African Literature (3)

## DEPARTMENT CHAIR

Julie Stokes

## DEPARTMENT OFFICE

Humanities 314

## DEPARTMENT WEBSITE

<http://hss.fullerton.edu/afro>

## PROGRAMS OFFERED

Bachelor of Arts in Ethnic Studies

Option in Afro-Ethnic Studies

Minor in Afro-Ethnic Studies

## FACULTY

Stan Breckenridge, Jamel Donner,  
Wacira Gethaiga, J. Owens Smith, Julie  
Stokes, Lezlee Hinesmon-Matthews,  
Kendall Radcliffe

## ADVISER

All programs: Julie Stokes

### **Upper-Division Electives (9 units minimum)**

Three additional Afro courses to be selected in consultation with departmental adviser.

### **Upper-Division Writing Requirement (3 units)**

Afro 307 Research and Writing in Ethnic Studies (3)

OR English 301 Advanced College Writing (3)

### **MINOR IN AFRO-ETHNIC STUDIES**

Students interested in the Afro-Ethnic Studies minor are required to take a minimum of 21 units. This includes six units of lower-division courses and 15 units of upper-division courses.

### **Lower-Division Courses (6 units)**

Afro 101 Introduction to Ethnic Studies (3) and/or

Afro 107 Introduction to Afro-American Studies (3) and/or

Afro 190 Survey of American History with Emphasis on Ethnic Minorities (3)

### **Upper-Division Courses (15 units)**

The remaining 15 units of coursework are to be selected in consultation with the student's academic adviser.

### **AFRO-ETHNIC STUDIES COURSES**

Courses are designated as AFRO in the class schedule.

#### **101 Introduction to Ethnic Studies (3)**

Prerequisite: completion of General Education (G. E.) Category III.C.1. Perspective through which people of color have come to see themselves in terms of their own heroes, culture and contributions to societies in which they live, and world society in general. (Same as Asian American Studies 101, Chicana/o Studies 101, Women's Studies 101)

#### **107 Introduction to Afro-American Studies (3)**

Prerequisite: completion of G. E. Category III.C.1. Aims and objectives of Afro-American studies. Basic terms and references that give substance to Afro-Ethnic studies.

#### **108 Linguistics and Minority Dialects (3)**

(Same as Linguistics 108)

#### **190 Survey of American History with Emphasis on Ethnic Minorities (3)**

(Same as History 190, Chicana/o Studies 190, and Asian American Studies 190)

#### **210 Introduction To Hip Hop (3)**

Origins and influences of hip hop on culture, fashion, movies, television, advertising, attitude, music, dancing and slang among African Americans. The impact of the hip hop culture phenomenon on American and global societies.

#### **301 African-American Culture (3)**

African cultural characteristics in the New World and contemporary events, including art, ideas, dance and literature.

#### **304 The Black Family (3)**

Prerequisite: Sociology 101 or completion of G. E. Category III.C.1. American social conditions that shaped the black family from the African cultural patterns to the family that exists today. Roles of poverty, racism and discrimination. (Same as Sociology 304)

#### **306 American Indian Women (3)**

Prerequisite: completion of G. E. Category III.C.1. Female role in American Indian tribal lifestyles. Labor divisions, leadership, political and social activities from a number of tribes. Historical and contemporary issues as they affect American Indian women. (Same as Women's Studies 306)

#### **307 Research and Writing in Ethnic Studies (formerly 400) (3)**

(Same as Asian American 307 and Chicana/o 307)

#### **308 African American Males in American Social Systems (3)**

Prerequisite: completion of G. E. Category III.C.1. Critical examination of the significant life experiences of African American males. Emphasizes family, community, school and broader social systems that affect African American males' functioning within legal, educational, economic and social environments.

#### **310 Black Women in America (3)**

Prerequisite: completion of G. E. Category III.C.1. Issues in the study of black women in America, including social, political, economic and intellectual development. Historical and contemporary issues as they affect black American women. (Same as Women's Studies 310)

#### **311 Intracultural Socialization Patterns (3)**

Prerequisite: completion of G. E. Category III.C.1. Patterns of role learning as they vary within subpopulations; changes over time in the values, attitudes and goals of the general culture and of subcultures; stereotypes and realities; understanding and dealing with cultural variation, as well as cultural "norms." One or more sections offered online. (Same as Human Services 311)

#### **314 Pan-African Dance and Movement (3)**

Prerequisite: completion of G. E. Category III.B.1. or III.B.2. Theory and practice of movement of African and Haitian peoples. Movement (dance) as quasi-language in perpetuating the lifestyle of African cultures and cultures of African descent.

#### **317 Black Politics (3)**

Prerequisite: Political Science 100. Blacks' struggle for political equality and relief from political oppression. Public policies concerning blacks' freedoms, liberties and property rights. (Same as Political Science 317)

#### **320 Black Political Thought (3)**

Prerequisite: completion of the G. E. Category III.B.2. Black American intellectual from slavery to contemporary times, with special emphasis on black contributions to American political and social thought, as well as their contributions in America's social development.

**321 Grassroots Planning and Community Development Planning In Minority Communities (3)**

Planning and community development trends in minority communities in urban, suburban and rural areas. Theoretical perspectives and practices embraced by grassroots planners. Public and private sector approaches. Topics include neighborhood planning, community development, economic development and grassroots organizing.

**322 Psychology of African Americans (3)**

Prerequisite: completion of G. E. Category III.C.1. Uses psychological principles and practices to guide students' comprehension of life as an African American. Introduction to a holistic perspective that expands ways of conceptualizing psychology from an African American world view. (Same as Psychology 322)

**324 African-American Literature (3)**

Prerequisite: completion of G. E. Category III.B.2. Literary contributions by major black American authors. Contemporary black writers and the recurring themes of protest and quest for identity. Not available for graduate degree credit. (Same as English 324)

**325 African-American Religions and Spirituality (3)**

Prerequisite: completion of General Education Category III.C.1. African-American belief systems and denominations. Folk beliefs among Blacks, African-American religious groups, and the role of the Black Church in politics and social change in the Black community. (Same as Comparative Religion 325)

**335 History of Racism (3)**

Prerequisite: completion of G. E. Category III.C.1. Historical roots and current expressions of racism. How racism manifests itself through individual, social, political, economic and religious institutions and proposes methods of combating it.

**337 American Indian Religions and Philosophy (3)**

Prerequisite: completion of the G. E. Category III.B.2. American Indian religious and philosophic perspectives. Religious interpretations and thought in various facets of belief, ranging from traditional Indian religion to Christianity. Highlights contemporary religious activities. Not available for graduate degree credit. (Same as Comparative Religion 337)

**346 The African Experience (3)**

Prerequisite: completion of G. E. Category III.C.1. African history from the origin of the black man and traditional African civilization through the African diaspora to the institutional realities of Africa today. Not available for credit to students who have completed History 355.

**356 African-American Music Appreciation (3)**

Prerequisite: junior/senior standing. Black music in America; the sociological conditions that help produce various forms of black music. One or more sections offered online. (Same as Music 356)

**357 Blacks in the Performing Arts (3)**

Prerequisite: completion of G. E. Category III.B.1. African-American culture through the performing arts. Examines Blacks in the entertainment industry as a means of understanding and revealing important aspects of African-American culture. (Same as Music 357 and Theatre 357)

**370 Development of African American Children and Youth (3)**

(Same as Children/Adolescent Studies 370)

**381 African Literature (3)**

(Same as English 381 and Comparative Literature 381)

**405 Hollywood v. History: An Interpretive History of Blacks through Film (3)**

Prerequisite: Afro 107. Critical study of black images in motion pictures, past and present. Explores the tension between historical Black consciousness, authenticity, imitation and alternative adaptation.

**430 A Social Psychological Study in Ethnic Minority Behavior (3)**

Prerequisites: Afro 101 or 107; or Psych 101. Central role of culture, race and ethnicity in the human condition. Social psychological theory and research provides the context of the course. Cultural pluralism and diversity. Course offered online. (Same as Psych 430)

**450 African History Since 1935 (3)**

(Same as History 450)

**457 West African and the African Diaspora (3)**

(Same as History 457)

**458 Southern Africa in the 20th Century (3)**

(Same as History 458)

**485 Schools, Education and Ethnic Minority Groups (formerly 385) (3)**

Prerequisite: completion of G. E. Category III.C.2. Ways in which the constraints of formal schooling affect the behaviors and attitudes of ethnic minority group members. Role of the community and family in school readiness and the psychological consequences of schooling. One or more sections offered online.

**490 Senior Research Seminar (3)**

Prerequisites: completion of G. E. Categories III.B.1, III.B.2, III.C.2, and IV; completion of Afro Ethnic Studies core requirements. Development of foundational theoretical knowledge in race relations and practical application in social organization and empowerment that is transformative regarding the human experience in general and the African American perspective in particular.

**499 Independent Study (1-3)**

Prerequisites: junior/senior standing and acceptance of the subject by department chair and instructor directing the study.



# American Studies

College of Humanities and Social Sciences

## DEPARTMENT CHAIR

Jesse Battan

## DEPARTMENT OFFICE

University Hall 313

## DEPARTMENT WEBSITE

<http://hss.fullerton.edu/amst>

## PROGRAMS OFFERED

Bachelor of Arts in American Studies  
Minor in American Studies  
Master of Arts in American Studies

## FACULTY

Erica Ball, Jesse Battan, Adam Golub,  
Wayne Hobson, John Ibson, Carrie  
Lane, Elaine Lewinnek, Karen Lystra,  
Terri Snyder, Michael Steiner, Pamela  
Steinle, Leila Zenderland

## ADVISERS

Undergraduate: All full-time faculty  
within the department  
Graduate: Michael Steiner

## INTRODUCTION

American Studies gives students a thorough understanding of the past and present nature of American civilization. Three central features of our approach are: (1) an emphasis on the analysis of culture – that shared system of beliefs, behaviors, symbols and material objects through which Americans give meaning to their lives; (2) examination of dominant culture patterns as well as the diversity of cultures in America; and (3) an interdisciplinary perspective that uses both the social sciences and humanities.

Besides providing a rich liberal arts education, training in the major develops skills in writing and analysis and strengthens the ability to recognize connections among complex materials and diverse phenomena. American studies graduates enter careers in business, communications, government service, law, social services and teaching. The major is also a fine background for graduate work in the field or in related fields.

## Teaching Credential

Because American Studies is interdisciplinary, the major may be effectively combined with subject matter studies necessary for either the multiple subject teaching credential (K-8) or single subject credential (7-12) in History/Social Science. Undergraduates are encouraged to work with the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, the major and electives. With careful planning, it may be possible to enter the credential program in the senior year of the bachelor's degree. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) to obtain information on attending an overview presentation.

## Awards in American Studies

The David Jon Vaca Memorial Scholarship of \$500 is awarded every semester to an undergraduate major in American studies based on need and academic achievement. The Susan Flinkingshelt Memorial Award is given annually in recognition of outstanding services to the American Studies Department and student association. The Earl James Weaver Graduate Student Essay Prize of \$250 is awarded annually for the best graduate paper in American Studies. The Margarete Liebe Sekhon Graduate Scholarship in American Studies annually provides an award in the fall semester to a new student enrolled in the graduate program at CSUF. The Outstanding Reentry Student Award is given every year to a graduating senior who either began or returned to college at least a decade after high school graduation.

## BACHELOR OF ARTS IN AMERICAN STUDIES

The American Studies degree requires a minimum of 120 units that includes courses for the major, General Education, all University requirements and free electives. The major consists of 36 units: 12 units in the core program and 24 units of electives following either Plan A or B.

### **Core Program (12 units required of all majors)**

- 201 Introduction to American Studies (3)
- 301 American Character (3)
- 350 Seminar in Theory and Method of American Studies (3)
- 401T Proseminar in American Studies (3)

### **Electives (24 upper-division units)**

Elective coursework must be approved by the major adviser following either Plan A or B:

#### *Plan A*

Students may take all eight electives in American Studies courses or they may include up to four courses from other departments such as Afro-ethnic studies, anthropology, Chicano studies, communications, criminal justice, English, history, geography, political science, psychology or sociology.

#### *Plan B*

Coursework pursuing a particular theme or subject, such as: law and society, sex roles, the visual arts, ethnicity, urbanization, regionalism, the child and the family, or popular culture.

### **DOUBLE MAJOR IN AMERICAN STUDIES**

The American Studies major serves as a rewarding complement to many other majors, often providing a broad and useful perspective on work done in other fields. Having two majors is not only intellectually stimulating, but can be a distinct advantage in seeking employment after graduation.

A double major is often simple to arrange, since the American Studies major allows for up to 12 units of coursework in the department of the other major to be used to complete the requirements of our major.

### **MINOR IN AMERICAN STUDIES**

The minor in American Studies requires 21 units: American Studies 201, 301 or 345, and 401T, plus 12 units of electives. Six units may be lower-division and three units may be taken in a related department upon approval of an American Studies Department adviser.

### **MASTER OF ARTS IN AMERICAN STUDIES**

The graduate program is grounded in a thorough understanding of the concept of culture. It examines the creative tension between unity and diversity in the American experience, seeking ultimately to provide a full vision of our complex pluralistic culture. The program is interdisciplinary, requiring graduate students to integrate knowledge from the humanities and social sciences. It stresses the process of cultural change, requiring students to trace the past sources of contemporary issues. It develops advanced research, writing and analytical skills. Particular areas of faculty specialization within the department include: gender and sexuality; ethnicity; literature, film, art and architecture as cultural expression; American regions; popular culture; and cultural radicalism.

### **Application Deadlines**

Applications are accepted only for the fall semester. Online applications must be completed by March 1 for the following fall semester (see <http://www.csumentor.edu>); mailed applications must be postmarked by the same date. However, deadlines may be changed based upon enrollment projections.

### **Admission to Graduate Standing: Conditionally Classified**

A student must meet the all university requirements for admission. (Please consult the appropriate section of this catalog for complete information.) In addition, a student must: (1) hold a bachelor's degree with a major, or its equivalent, in American studies or in an appropriate discipline of the humanities or social sciences; (2) have a grade-point average of at least 3.0 in upper-division major courses; and (3) submit two satisfactory letters of recommendation from instructors in upper-division major courses.

Students whose undergraduate program indicates certain limited subject, grade or breadth deficiencies may be considered for admission, at the discretion of the graduate adviser, with approval of the department's graduate committee. In such cases, a student must make up deficiencies, in consultation with the graduate adviser, and must complete all required courses with at least a "B" (3.0) average before classified graduate standing may be considered.

### **Graduate Standing: Classified**

Students will be classified upon fulfillment of the above prerequisites and after development of an approved study plan.

### **STUDY PLAN**

The program requires 30 units of graduate study: 21 units in the discipline of American Studies, six units in other disciplines and three units in the development of an appropriate research skill.

#### *American Studies (21 units)*

##### A. Required courses

- American Studies 501 Theory and Methods (3)
- American Studies 502T Seminar: Selected Topics (3)  
(May be repeated for credit with different topic)

##### B. Electives

Additional upper-division or graduate level coursework in American studies (12)

#### *Choose either C or D as follows:*

- C. American Studies 598 Thesis (3) should be taken in the semester immediately preceding graduation from the program.
- D. An additional American Studies graduate level elective, i.e., American Studies 599 or American Studies 502T, plus successful completion of a three-part take home comprehensive examination based on the department's core reading list.

#### *Other Disciplines (6 units)*

Graduate-level seminars in anthropology, art, communications, comparative literature, English, geography, history, political

science or sociology. Pedagogical and productions skill seminars are excluded. Students should select outside discipline seminars in consultation with the graduate advisor.

### *Elective Skill (3 units)*

A student must demonstrate proficiency in a methodological skill appropriate to his or her scholarly interests. In consultation with an adviser, the student will select the skill to be developed. Proficiency in a foreign language, quantitative methods or linguistics would, for example, be appropriate. If prerequisite work is necessary before a student can develop proficiency through three units of coursework, that preliminary work will not be counted toward the 30 units required for the M.A. degree.

For further information, consult graduate program adviser.

## **AMERICAN STUDIES COURSES**

Courses are designated as AMST in the class schedule.

### **101 Introduction to American Culture Studies (3)**

Concepts of interdisciplinary culture studies, focusing on analysis of cultural change in complex, literate society, American culture, including cross-cultural comparisons. Topics include popular culture, subcultures, regionalism, myths and symbols, and culture and personality. One or more sections offered online.

### **201 Introduction to American Studies (3)**

With the concept of culture as a unifying principle, focus is on four separate time periods in order to provide the framework for an understanding of American civilization. Several different kinds of documents will be used to illustrate the nature and advantages of an interdisciplinary approach.

### **300 Introduction to American Popular Culture (3)**

Prerequisite: completion of General Education (G.E.) Category III.C.1. Historical exploration of popular culture in America as it both reflects and contributes to the search for meaning in everyday life. Themes include heroes, myths of success, symbols of power, images of romance, consumerism, race and sexual identity.

### **301 American Character (3)**

Prerequisite: completion of the G.E. Category III.C.1. Cultural environment and personality. The extent to which there have been and continue to be distinctly American patterns of belief and behavior. Similarities, as well as class, ethnic, sex and regional differences among Americans. One or more sections offered online.

### **312 Multicultural Identities and Women's Experience (3)**

Diversity of women's experiences, focusing on both historical and contemporary analysis of African American, Asian American, Latina and white ethnic women. Course materials include autobiography, fiction, visual and popular arts, and feminist cultural criticism. (Same as Women's Studies 312)

### **318 Hollywood and America: Using Film as a Cultural Document (3)**

Hollywood as a cultural institution. Concentrating on the films of selected periods, the course analyzes Hollywood's ability to create and transmit symbols and myths, and legitimize new values and patterns of behavior.

### **320 Women in American Society (3)**

Socio-cultural history of women and women's movements in American society. Emphasis on 19th and 20th centuries. Cultural models of American womanhood – maternal, domestic, sexual, social – their development and recent changes.

### **345 The American Dream (3)**

Interdisciplinary analysis, in settings both historical and contemporary, of the myth and reality surrounding the notion of America as a land of unparalleled and unlimited possibilities, especially in the achievement of personal material success.

### **346 American Culture Through Spectator Sports (3)**

Shifting meaning of organized sports in changing American society. Includes analysis of sports rituals, symbols and heroes. Focuses on the cultural significance of amateur and professional football, baseball and basketball.

### **350 Seminar in Theory and Method of American Studies (3)**

Prerequisites: American Studies 201 and 301. Provides an understanding and appreciation of methodology, theories of society and images of humanity as they affect American studies contributions to scholarship. Fulfills the course requirement of the university upper-division baccalaureate writing requirement for American studies majors.

### **377 Prejudice and American Culture (3)**

Prerequisite: upper-division standing. Concepts and methods of American culture studies as tools for better understanding the origins and appeal of intolerance, past and present. Particular focus on racism, ethnic and religious bias, sexism and homophobia.

### **395 California Cultures (3)**

Prerequisite: completion of G.E. Category III.C.1. How various cultures – Native American, European, Latino, Asian, African-American – have interacted in California's past and present. Topics include: cultural diversity in frontiers and borderlands; shifting meanings of gender; function of regional and racial myths.

### **401T Proseminar in American Studies (3)**

Prerequisites: American Studies 201 and 301. Relationship between theory and application. Analytic readings and research. Check the class schedule for topics being considered. May be repeated for credit.

### 402 Religion and American Culture (3)

Prerequisite: upper division standing. Interdisciplinary analysis of the religious dimensions of American core culture from colonial settlement to the present. Topics include: Puritanism; rationalization, secularization and feminization; the conversion experience, revivalism, and revitalization; fundamentalism and modernism; and civil religion.

### 405 Images of Crime and Violence in American Culture (3)

Prerequisite: American Studies 201 or completion of G. E. section on American history, institutions and values. Cultural analysis of meanings ascribed to law and order, authority, violence and punishment in the American past and present. Examined in selected symbols, images, traditions and realities.

### 407 American Humor (3)

Prerequisite: American Studies 201 or completion of G. E. section on American history, institutions and values. Analyzes the cultural significance of various types of American humor in past and present settings. How humor reinforces existing culture and also serves as an index and agent of cultural change. Humor's relationship to ethnicity, region, social class and sex.

### 413 The Shifting Role & Image of the American Male (3)

Effect of economic, social, political and cultural changes on American males. Emphasizes the 19th and 20th centuries.

### 416 Southern California Culture: A Study of American Regionalism (3)

Regionalism as a concept and as a fact of American life. Theories of regionalism measured against a study of Southern California and one other distinct American region.

### 419 Love in America (3)

Prerequisite: upper-division standing. Changes in the emotional lives of American men and women from the 17th century to the present. Concentrates on enduring and innovative views on the nature of love and the cultural forces that shape its legitimate and illegitimate expression.

### 420 Childhood and Family in American Culture (3)

Historical and contemporary culture study of childhood and family in America. The idea of childhood, changing concepts of child-rearing, growing up in the American past, the impact of modernization, mother and home as dominant cultural symbols.

### 423 The Search for Community (3)

Prerequisite: upper-division standing. Examining the historical transformation and modern reformulation of community in America, the course emphasizes the relationship of the individual to the larger social group. Topics include: freedom, need to belong, alienation and search for identity.

### 433 Visual Arts in Contemporary America (3)

Prerequisite: American Studies 201 or completion of G. E. section on American history, institutions and values. Visual phenomena in America as they reveal changes in recent American culture. Areas covered include: the "high" arts (painting, sculpture) as contrasted with the "low" arts (advertising, television); the artist as innovator; alienation; the business world; and American values in art.

### 438 American Minds: Images of Sickness and Health (3)

Prerequisite: upper-division standing. Historically explores cultural changes in American images of the healthy mind. Topics include medical and legal views of insanity, Freud's impact on American thought, literary treatments of madness, and psychological themes in American popular culture.



### 439 American Photographs As Cultural Evidence (3)

Prerequisites: upper-division standing and American Studies 201. Cultural work of American photography, from the mid-19th century to the present. How photographs – especially the vernacular or everyday variety – have both reflected and shaped American beliefs, symbols and values.

### 440 American Folk Culture (3)

Prerequisite: upper-division standing. American culture from the perspectives of particular folk groups and through the eyes of the "common" person, past and present. Topics include: interpretation of artifacts and oral traditions; relationships between regional, ethnic, and folk identity; modernization and folk consciousness.

### 442 Television and American Culture (3)

Prerequisite: completion of the G. E. section of American history, institutions and values. American television as an interactive form of cultural expression, both product and producer of cultural knowledge. Structure and content of television genres, and social-historical context of television's development and use, audience response, habits and environments of viewing.

#### **444 The Built Environment (3)**

Prerequisite: upper-division standing. How Americans have shaped and structured space from the 17th century to the present. Emphasizes the relationship between space, place, architecture and material culture; the interpretation of cultural landscapes and architectural styles; the changing meanings of the American home.

#### **445 Cold War and American Culture (3)**

Prerequisite: completion of G.E.Category II.B The Cold War's impact on American society and culture. Topics include nuclear fear, McCarthyism, gender roles, family life, material culture, and the impact of containment, brinkmanship and détente.

#### **449 The American West in Symbol and Myth (3)**

Prerequisite: American Studies 201 or completion of G.E.section on American history, institutions, and values. Meaning of the West to American culture through analysis of cultural documents, such as explorer and captivity narratives, fiction, art and film. Topics include perception of wilderness, Indians, frontiersmen and role of the West in creating a sexist national mythology.

#### **460 Bohemians and Beats: Cultural Radicalism in America (3)**

Prerequisite: American Studies 201 or completion of the G.E.section on American history, institutions, and values. Ideas, activities and legacies of the creators of a "countercultural" tradition in the 19th and 20th centuries. Explores their critique of modern civilization as well as their projects for self-transformation, social change and cultural renewal.

#### **465 The Culture of the American South (3)**

Prerequisite: American Studies 201 or completion of the G.E.section on American history, institutions and values. Distinctive cultural patterns in the American South, past and present. Topics include: Southern concepts of work and leisure; race and gender roles; political and religious controversies; literature and folklore; and the South as portrayed in the media.

#### **468 Culture in Turmoil: 1960s America (3)**

Prerequisite: upper-division standing. Origins, manifestations and continuing significance of the turbulence in American culture associated with the 1960s. Accelerated changes that occurred (or seemed to occur) in cultural meanings of authority, achievement, patriotism, sexuality, technology and consciousness.

#### **473 Sexual Orientations and American Culture (3)**

Prerequisites: upper-division standing, American Studies 201. Cultural construction of the very idea of a sexual orientation. Shifting meanings of erotic attraction and involvement in America, especially regarding people of the same sex, from the colonial period to the present.

#### **476 The Cultures of Early America (3)**

Prerequisite: American Studies 201 or completion of G.E.Category II.B. Variety of cultures of America and, through an analysis of visual, material and print culture, investigates the beliefs, ideologies and institutions through which early Americans created their worlds. Also examines contemporary public memory of early America.

#### **499 Independent Study (1-3)**

Supervised research projects in American studies to be taken with the consent of instructor and department chair. May be repeated for credit.

#### **501 Theory and Methods (3)**

The American Studies movement. Its conceptual and methodological development. The way this development was affected by and in turn reflected larger trends in the culture itself.

#### **502T Seminar: Selected Topics (3)**

A particular problem or topic as a case study in the use of inter-disciplinary methods in American studies. May be repeated for credit.

#### **596 American Studies Teaching Tutorial (3)**

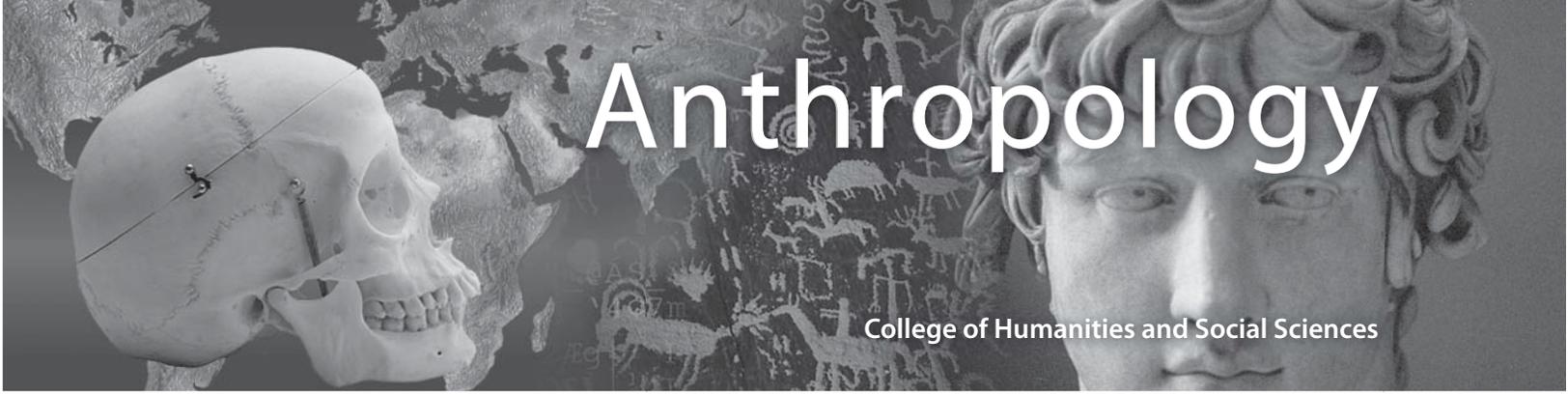
Prerequisite: American Studies 501. Preparation for community college or university teaching. Small group discussion, lecture-discussion, examinations, teaching strategies. Enrollment requires approval of American Studies graduate coordinator. Course may be repeated for credit, but may only count once on a graduate study plan.

#### **598 Thesis (3)**

Prerequisites: graduate standing in American studies and consent of graduate coordinator. Writing a thesis based on original research and its analysis and evaluation.

#### **599 Independent Graduate Research (1-3)**

Prerequisites: graduate standing in American studies and consent of graduate coordinator. May be repeated for credit.



# Anthropology

College of Humanities and Social Sciences

## INTRODUCTION

Anthropology is the scientific and humanistic study of humans, our ancestors and our nonhuman primate relatives. Anthropologists are interested in a wide range of human activities, including communication and language, economics, political organization, religion, the arts, philosophy, education, health and nutritional practices, social organization, marriage, child rearing and development, science and technology. Anthropology fosters the study of people from all over the world as they live now, and in the prehistoric and historic past. A major goal of anthropology is to understand people living in relationship with their environment. Through an integrative analysis of evolution, adaptation and variation in terms of biology, culture, language and behavior, anthropologists understand the totality of the human experience. In our department, the four subfields of anthropology are emphases on: application of evolutionary theory to understanding behavioral and physiological interaction with their ecological, social and cultural contexts; cultural practices and beliefs; development and use of language and symbols; and evidence regarding these areas from past times. Faculty also focus on areas such as primate conservation, cultural resource management and applied anthropology. The Department of Anthropology endorses UPS 230.000, Statement of Professional Responsibility, and UPS 100.006, A Commitment to Civility at CSUF.

The major in Anthropology is designed to prepare students for advanced degrees in Anthropology, as well as for positions in the private and public sector. Social service, marketing research, museum work, health professions, cultural resources management, primate conservation and international development are some of the areas that offer many opportunities for anthropology graduates.

## International Aspects of Anthropology

Anthropology is inherently international in scope, drawing on worldwide, cross-cultural comparisons for understanding culture and what it means to be human. We offer an interdisciplinary perspective to promote an understanding of globalization and transnationalism. The department encourages study in different cultures and will provide, where appropriate, academic credit for participation in academic programs and supervised research abroad.

## BACHELOR OF ARTS IN ANTHROPOLOGY

The Bachelor of Arts in Anthropology requires a minimum of 120 units, which includes courses for the major, all other university requirements and free electives. The major requires 45 units consisting of core courses, upper-division courses and elective coursework. A "C" (2.0) average and a grade of "C-" (1.7) or better is required in all courses applied to the major. Anthro 480 and 481 fulfill the university's upper-division writing requirement for Anthropology, and each must be passed with a "C" (2.0) or better.

## Core Courses (15 units)

Anthro 101 Introduction to Biological Anthropology (3)

Anthro 102 Introduction to Cultural Anthropology (3)

Anthro 103 Introduction to Archaeology (3)

## DEPARTMENT CHAIR

John "Jack" Bedell

## DEPARTMENT OFFICE

McCarthy Hall 426

## DEPARTMENT WEBSITE

<http://anthro.fullerton.edu>

## PROGRAMS OFFERED

Bachelor of Arts in Anthropology

Minor in Anthropology

Master of Arts in Anthropology

## ANTHROPOLOGY MUSEUM

McCarthy Hall 424

## ARCHEOLOGICAL RESEARCH FACILITY

McCarthy Hall 2

## ARCHEOLOGICAL TEACHING LABORATORY

McCarthy Hall 420

## ARCHEOLOGICAL CERAMICS LABORATORY

McCarthy Hall 54

## ARCHEOLOGICAL LITHICS LABORATORY

McCarthy Hall 51

## EVOLUTIONARY ANTHROPOLOGY TEACHING LABORATORY

McCarthy Hall 428

## CENTER FOR ETHNOGRAPHIC CULTURAL ANALYSIS

McCarthy Hall 422

## SOUTH CENTRAL COASTAL INFORMATION CENTER

McCarthy Hall 477

## FACULTY

John Bock, Brenda Bowser, Robey Callahan, Barbra Erickson, Peter Fashing, Tricia Gabany-Guerrero, Steven James, Sara Johnson, Joseph Nevadomsky, Nga Nguyen, Susan Parman, John Patton, Carl Wendt

## ADVISERS

Undergraduate: all tenure-track faculty

Graduate: Barbra Erickson

Anthro 480 History of Anthropology (3)

Anthro 481 Contemporary Anthropology (3)

### Upper-Division Courses (9-30 units)

Any 400-level course in anthropology is an upper-division course that may be applied to the major, including:

Anthro 400 Qualitative Methods in Anthropology (3)

Anthro 401 Ethnographic Field Methods (3)

Anthro 402 Museum Studies (3)

Anthro 403 Archaeological Fieldwork (3)

Anthro 404 Analytical Methods in Archaeology (3)

Anthro 406 Descriptive Linguistics (3)

Anthro 407 Anthropological Video Production (3)

Anthro 408 Ethnogerontology (3)

Anthro 409 Applied Anthropology (3)

Anthro 410 Anthropology of Organizations (3)

Anthro 412 Culture Change (3)

Anthro 414 Economic Anthropology (3)

Anthro 415 Anthropology of Tourism (3)

Anthro 416 Anthropological Linguistics (3)

Anthro 417 Life Quests (3)

Anthro 418 GIS and Archaeology (3)

Anthro 419 Anthropology of Risk (3)

Anthro 430 Archaeology of Household Space (3)

Anthro 420 Visual Anthropology (3)

Anthro 423 The Ancient Maya (3)

Anthro 424 The Aztecs and Their Predecessors (3)

Anthro 426 Archaeology of the Southwest (3)

Anthro 427 Archeology of Settlement Patterns (3)

Anthro 428 Prehistoric North America (3)

Anthro 429 Archaeology of Inequality (3)

Anthro 441 Human Variation (3)

Anthro 442 Medical Anthropology (3)

Anthro 443 Advanced Topics in Human Osteology (3)

Anthro 445 Quantitative Methods in Anthropology (3)

Anthro 451 Advanced Human Evolution (3)

Anthro 452 Paleoanthropology (3)

Anthro 453 Human Evolutionary Anatomy (3)

Anthro 454 Great Ape Conservation (3)

Anthro 455 Behavioral Observation (3)

Anthro 460 Public Archaeology (3)

Anthro 461 California Archaeology (3)

Anthro 463 Archaeofaunal Analysis (3)

Anthro 470 Survey of Anthropological Films (3)

Anthro 476 Archaeological Investigations (3)

Anthro 490T Undergraduate Seminar in Anthropology (3)

Anthro 491 Internship in Anthropology (3)

Anthro 497 Cultural Investigations (3)

Anthro 498 Museum Practicum (3)

Anthro 499 Independent Study (3)

### Electives (0-21 units)

Any 100- or 300-level course in anthropology may be used by majors as electives, including:

Anthro 100 Non-Western Cultures and the Western Tradition (3)

Anthro 110 Ancient Peoples of the American Southwest (3)

Anthro 300 Language and Culture (3)

Anthro 301 Primate Behavior (3)

Anthro 304 Traditional Cultures of the World (3)

Anthro 305 Anthropology of Religion (3)

Anthro 306 Culture and Art (3)

Anthro 308 Culture and Aging: Anthropological Gerontology (3)

Anthro 310 Urban Anthropology (3)

Anthro 311 Culture and Communication (3)

Anthro 313 Culture and Personality: Psychological Anthropology (3)

Anthro 315 Culture and Nutrition (3)

Anthro 316 Anthropology of Sex and Gender (3)

Anthro 320 Cultures of Europe (3)

Anthro 321 Peoples of Native North America (3)

Anthro 322 Human Behavioral Ecology (3)

Anthro 325 Peoples of South America (3)

Anthro 327 Origins of Civilization (3)

Anthro 328 Peoples of Africa (3)

Anthro 329 Peoples of the Caribbean (3)

Anthro 332 Women in Cross-Cultural Perspective (3)

Anthro 333 Anthropology of Childhood (3)

Anthro 340 Peoples of Asia (3)

Anthro 342 Anthropology and Health (3)

Anthro 343 Human Osteology (3)

Anthro 344 Human Evolution (3)

Anthro 345 Peoples of the Middle East and North Africa (3)

Anthro 347 Peoples of the Pacific (3)

Anthro 350 Culture and Education (3)

Anthro 360 Contemporary American Culture (3)

Anthro 370 Anthropology of Non-Western Films (3)

Under certain circumstances, with the approval of the adviser or department chair, up to six units may be accepted from related disciplines.

*Note:* Upper-division, 400-level courses are intended for junior, senior and graduate students. Courses under Electives in Anthropology are 100- or 300-level and may be taken by all students.

### Multiple and/or Single Subject Credential Information

The Anthropology degree may be effectively combined with subject matter studies for either the multiple subject credential (K-8) or single subject credential (7-12) in Social Science. Undergraduates are encouraged to work with the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, major and electives. With careful planning, it may be possible to enter the credential program in the senior year of the bachelor's degree. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) to obtain information on attending an overview presentation.

### MINOR IN ANTHROPOLOGY

Twenty-one units must be taken to fulfill requirements for a minor.

#### Core Courses (15 units)

Anthro 101 Introduction to Biological Anthropology (3)

Anthro 102 Introduction to Cultural Anthropology (3)

Anthro 103 Introduction to Archaeology (3)

Anthro 480 History of Anthropology (3)

Anthro 481 Contemporary Anthropology (3)

#### Additional Courses (6 units)

Six units of 300- or 400-level courses in anthropology.

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*Note:* All courses applied to the minor must be passed with a "C" (2.0) or better.

### MASTER OF ARTS IN ANTHROPOLOGY

The program offers advanced study of general anthropology, while simultaneously encouraging specialization in one (or more) of the anthropological subdisciplines: archaeology; cultural anthropology; anthropological linguistics; and evolutionary anthropology. Opportunities for field and laboratory research, and other related learning experiences permit students to enlarge upon formal classroom training and work independently with original data. Students may pursue a thesis or project of either a traditional or more exploratory character. Efforts are made to assist individuals to plan programs that will meet their individual needs and interests.

#### Application Deadlines and Procedure

The deadlines for completing online applications are March 1 for the fall semester and Oct. 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

There are two steps in the application process: (1) apply online to the university (see <http://www.csumentor.edu>); and (2) apply

to the department, in care of the Graduate Program Adviser (see <http://anthro.fullerton.edu/Grad.htm>). Arrange to have two letters of recommendation sent to the Graduate Program Adviser. Please check with the graduate adviser for department deadlines.

#### Prerequisites

An applicant must meet the university requirements for conditionally classified graduate standing. The university requires a baccalaureate from an accredited institution and a grade-point average of at least 2.5 in the last 60 semester units attempted (see section of this catalog on admission of graduates for complete statement and procedures). Admission is contingent upon evaluation and acceptance by the Graduate Affairs Committee.

The Department of Anthropology requires a grade-point average of 3.0 in all undergraduate coursework in anthropology. Students with limited subject or grade deficiencies may be considered for admission to the program if they agree to complete, with at least a "B" (3.0) average, additional courses selected by the Graduate Study Committee. Subject deficiencies must be met prior to candidacy. Students entering the MA program from other fields or other departments of anthropology should discuss appropriate course substitution with the graduate adviser. The department does not permit substitutions for the core courses.

#### Classification

A student who meets the requirements for conditionally classified graduate standing, as well as the following requirements, will be granted classified graduate standing upon the development of an approved study plan:

1. A bachelor's degree with a minimum of 27 units in anthropology, including the following courses or their equivalents

#### Core Courses (15 units)

Anthro 101, 102, 103, 480 and 481

Additional upper-division courses (12 units)

Reading courses and special examinations may be substituted for the additional upper-division coursework in Anthropology.

2. A GPA of "B" (3.0) for all work taken in Anthropology
3. Classification review administered by the graduate adviser

#### Study Plan

The 30-unit study plan for the degree must include the following:

Anthro 511 Theory and Method in Biological Anthropology (3)

Anthro 512 Theory and Method in Archeology (3)

Anthro 513 Theory and Method in Cultural/Linguistic Anthropology (3)

Anthro 597 Project (6) or Anthro 598 Thesis (6)

Anthro 504T Graduate seminars in Anthropology, minimum of three (9 units)

Electives – two courses (6 units). Electives may be additional 504T seminars, Anthro 599 Independent Study or 400-level courses.

For continuation in the program, a “B” (3.0) average, with no grade below “C” (2.0) must be maintained for all work in the study plan.

Students must remain continuously enrolled, either by enrolling in at least one Anthropology course each semester or by enrolling in Graduate Studies 700. Students may request a waiver of this requirement for one or two semesters if professional purposes require absence from campus. A student who is not continuously enrolled will be required to apply for readmission to the program.

A thesis or a project, including an oral examination, must be completed for the degree.

The progress of graduate students will be reviewed prior to classification and again before advancement to candidacy. Students must demonstrate competence in a foreign language or quantitative methods.

For further information, consult the Anthropology graduate program adviser. See also the Department of Anthropology’s website (<http://anthro.fullerton.edu>).

## **ANTHROPOLOGY COURSES**

Courses are designated as ANTH in the class schedule.

### **100 Non-Western Cultures and the Western Tradition (3)**

Changing views of people, nature and culture in Western civilization as related to the impact of non-Western influences, including the use and interpretation of data on non-Western peoples and cultures. One or more sections offered online.

### **101 Introduction to Biological Anthropology (3)**

Humans as biological organisms from an evolutionary perspective. Concepts, methods, findings and issues in the study of the Order primates, including the relationships among fossil monkeys, apes and humans, and the significance of genetic diversity in modern populations.

### **102 Introduction to Cultural Anthropology (3)**

Nature of culture and its significance. Similarities and differences in human cultures. Analyses of family, economy, subsistence, religion, art and other aspects of culture in diverse societies. Central problems of cultural comparison and interpretation. One or more sections offered online.

### **103 Introduction to Archaeology (3)**

Relationship of archaeology, culture history and process, field methods and analysis of archaeological data; uses and abuses of archaeology. One or more sections offered online.

### **110 Ancient Peoples of the American Southwest (3)**

Introductory-level exploration of the lifeways of prehistoric peoples of the American Southwest as evidenced through archaeological remains and through Native American perspectives.

### **300 Language and Culture (3)**

Prerequisite: completion of General Education (G. E.) Category III.C.1. Language as a factor in culture. Trends in the study of language and culture. One or more sections offered online.

### **301 Primate Behavior (3)**

Prerequisite: Anthro 101,102, Psychology 101 or completion of G. E. Category III.A.2. Anthropological study of the behavior of primates, including monkeys and apes with data collection in the wild and the laboratory; review and discussion of behavioral characteristics that are part of the primate heritage of humankind. One or more sections offered online.

### **304 Traditional Cultures of the World (3)**

Prerequisite: completion of G. E. Category III.B.2. Comparative, worldwide survey of traditional, selected and well-studied ways of life using ethnographic writings and films. Examines diverse ways of life, with an emphasis on small-scale societies. One or more sections offered online.

### **305 Anthropology of Religion (3)**

Prerequisite: completion of G. E. Category III.B.2. Beliefs and practices in the full human variation of religious phenomena, with an emphasis on primitive religions. Forms, functions, structures, symbolism, and history and evolution of religious systems. One or more sections offered as televised course.

### **306 Culture and Art (3)**

Prerequisite: completion of G. E. Category III.B.2. Metaphysical and mystical systems underlying the “grammars” of the art, myths and rituals of various nonliterate and literate peoples and their development into creative experiences.

### **308 Culture and Aging: Anthropological Gerontology (3)**

Prerequisite: completion of G. E. Category III.C.1. Anthropological discourse on diverse cultural conceptions of aging as they relate to gender, class, ethnic and religious categories. Cross-cultural comparison of culturally patterned time-table of life-cycle and age-grades for understanding the universals and variability in human aging.

### **310 Urban Anthropology (3)**

Prerequisite: Anthro 102. Cross-cultural investigation of similarities and differences in urbanism with an emphasis on current theoretical and methodological perspectives in the study of urban social and cultural forms and processes.

### **311 Culture and Communication (3)**

Prerequisite: completion of G. E. Category III.B.2. How meanings are created, exchanged and interpreted in both traditional and modern cultures through language, myth and religion, art and architecture, and other means of communication.

### **313 Culture and Personality: Psychological Anthropology (3)**

Prerequisite: completion of G. E. Category III.C.1. Relationship of culture to the individual. Child-training in non-western cultures. Survey of concepts, studies and research techniques in psychological anthropology.

### **315 Culture and Nutrition (3)**

Prerequisite: Anthro 101, 102 or equivalent. Interrelationships among human nutrition, basic food resources, individual development and socio-cultural organization; assessment of student’s nutritional status, beliefs and practices relative to other cultures. One or more sections offered online.

### **316 Anthropology of Sex and Gender (3)**

Prerequisites: completion of G. E. Category III.C.1. Human sex and gender roles in cross-cultural perspective and the role that gender plays in human social organization. Topics include cultural construction of gender; homosexuality, rights of women, evolution and gender. One or more sections offered online. (Same as Women's Studies 316)

### **320 Cultures of Europe (3)**

Prerequisite: completion of G. E. Category III.C.1. Cultural survey of Europe, focusing on the peasant, national and pan-European traditions of Europe. Diverse anthropological approaches are used to examine changing boundaries of European identity from prehistory to the present "European Union." One or more sections offered online.

### **321 Peoples of Native North America (3)**

Prerequisite: completion of G. E. Category III.C.1. Native peoples of North America; origins, languages, culture areas, cultural history; the impact of European contacts.

### **322 Human Behavioral Ecology (3)**

Prerequisite: completion of G. E. Category III.A.2.c. Using modern evolutionary theory, students will examine human biological and cultural diversity through an analysis of comparative socioecology. Topics covered include reproduction and marriage, the family, childhood, population growth, and conservation. Computer labs utilizing eHRAF. One or more sections offered online. (Same as Biology 322.)

### **325 Peoples of South America (3)**

Prerequisite: completion of G. E. Category III.C.1. Cultural survey of South America. Representative cultural areas before and after contacts with Western countries.

### **327 Origins of Civilizations (3)**

Prerequisite: completion of G. E. Category III.A.2. or III.C.1. Development of civilization in the Old and New Worlds in primary centers such as Mesopotamia, Egypt, the Indus Valley, China, Mesoamerica and Peru, and secondary centers such as the Aegean and Europe. One or more sections offered online.

### **328 Peoples of Africa (3)**

Prerequisite: completion of G. E. Category III.C.1. Cultural survey of Africa. Description of selected cultures and aspects of culture before and after contact with non-Africans.

### **329 Peoples of the Caribbean (3)**

Prerequisite: completion of G. E. Category III.C.1. Various ethnic groups of the Caribbean, focusing on the description and interpretation of African, European, Asian and Amerindian cultural elements.

### **332 Women in Cross-Cultural Perspective (3)**

Prerequisite: completion of G. E. Category III.A.2. or III.C.1. Cross-cultural comparison of beliefs, values, expectations and socially defined roles for women in diverse societies. Changing role of women in industrial societies.

### **333 Anthropology of Childhood (3)**

Prerequisite: completion of G. E. Category III.A.2 or III.C.1. Using a biocultural perspective, examines the form and experiences of childhood using a comparative, evolutionary, cross-cultural approach. Topics: work and play; evolutionary and cultural influences on children's development trajectories; role of children. Computer labs with eHRAF.

### **340 Peoples of Asia (3)**

Prerequisites: completion of G. E. Categories III.A.2. and III.C.1. Asian civilizations and cultural traditions: personality configurations in different culture areas; structure of Asian civilizations; and peasant, tribal and ethnic groups of Asia. One or more sections offered online.

### **342 Anthropology and Health (3)**

Prerequisites: completion of G. E. Category III.A.2 and III.C.1. Uses an evolutionary, comparative, and cross-cultural perspective to understand the process and conception of health in different times, places and societies. Topics include evolutionary medicine, health beliefs, health ecology, culture and health. One or more sections offered online. Computer labs utilizing eHRAF.

### **343 Human Osteology (formerly 405) (3)**

Prerequisite: Anthro 101 or equivalent. Techniques in basic identification of human skeletal remains. Aging, sexing, racing and stature reconstruction. For those interested in archaeology, hominid evolution and/or forensic science. One or more sections offered online. (2 hours lecture, 3 hours laboratory)

### **344 Human Evolution (3)**

Prerequisite: Anthro 101 or completion of G. E. Category III.A.2. Advanced primate evolution; the origin of Homo sapiens as evidenced in the fossil record and through biochemical and molecular studies. Evolutionary theory and problems in human evolution. One or more sections offered online. (2 hours lecture, 3 hours laboratory)

### **345 Peoples of the Middle East and North Africa (3)**

Prerequisite: completion of G. E. Category III.C.1. Interrelationship between culture, economy, political structure and belief system of selected cultures in the Middle East and North Africa.

### **347 Peoples of the Pacific (3)**

Prerequisite: completion of G. E. Category III.C.1. Indigenous peoples and cultures of the Pacific Islands, including Tahiti, Hawaii and Australia. Forces and processes contributing to social change in island communities and current problems being faced by them. One or more sections offered online.

### **350 Culture and Education (3)**

Prerequisite: completion of G. E. Category III.C.1. Transmission of values, implicit cultural assumptions and the patterning of education in cross-cultural perspective. American culture and development problems.

### **360 Contemporary American Culture (3)**

Prerequisite: completion of G. E. Category III.C.1. Application of anthropological methods, categories of analysis and types of interpretation to American culture. Survey and critique of selected community studies and other kinds of relevant research.

### **370 Anthropology of Non-Western Films (3)**

Prerequisite: Anthro 100, 102 or 304. Comparative analytical study of commercial and non-commercial films and videos made by non-western people. Films and videos considered as cultural artifacts that are particularly revealing of the ways people conceive of themselves and their cultures.

### **400 Qualitative Methods in Anthropology (3)**

Prerequisite: Anthro 102. Qualitative methods used in the systematic analysis of culture; diverse methodologies used in various frameworks, including, but not limited to, semiotic, phenomenological and interpretive anthropology.

### **401 Ethnographic Field Methods (3)**

Prerequisites: Anthro 102 and six additional units of anthropology. Anthropological field research by students on various problems using participant observation techniques.

### **402 Museum Science (3)**

Prerequisite: Anthro 101, 102 or 103. Methods, principles and techniques used in natural history, and small scientific and historical museums. Subjects covered include scope of exhibit and research collections, care and repair of specimens, acquisitions, storage and preparation of presentations in anthropological, historical, biological and paleontological museums.

### **403 Archaeological Fieldwork (3)**

Prerequisites: Anthro 102 or 103 and consent of instructor. Excavation of a local archaeological site. Archaeological mapping, photography and recording. Laboratory methods of cataloging, preservation, description and interpretation of archaeological materials. Saturday field sessions. May be repeated once for credit as an elective. (1 hour lecture, 6 hours laboratory)

### **404 Analytical Methods in Archaeology (3)**

Prerequisites: Anthro 103, 403. Employment of physical data-collecting techniques (e.g., photographic, paleomagnetic) in the field and the analysis of artifact collections and data from previous field operations in the laboratory. May be repeated once for credit as an elective. (1 hour lecture, 6 hours laboratory)

### **406 Descriptive Linguistics (3)**

(Same as Linguistics 406)

### **407 Anthropological Video Production (3)**

Prerequisite: six upper-division units of anthropology. Planning, shooting and editing videotapes relating to all sub-disciplines of anthropology. (1 hour lecture; 6 hours laboratory activities, demonstrations, and fieldwork)

### **408 Ethnogerontology (3)**

Prerequisite: Anthro 102. Methods of ethnoscience and interpretive semiotics for analyzing cultural knowledge and domains pertaining to aging. Training in ethnographic cultural analysis of aging for the production of ethnographies that focus on the symbols, taxonomies, paradigms, and themes of aging.

### **409 Applied Anthropology (3)**

Prerequisite: Anthro 102. Uses of anthropological skills and sensitivities in approaching contemporary human problems. Cultural change, organizational development, program planning and evaluation, the consultant's role and professional ethics.

### **410 Anthropology of Organizations (3)**

Prerequisite: Anthro 102. Cross-cultural examination of the diverse ways humans organize themselves in groups. Topics include voluntary and non-voluntary associations, gender- and age-based organizations, religious groups, environmental groups, health care organization and business organizations.

### **412 Culture Change (3)**

Prerequisite: Anthro 102. Interrelations between cultural, social and psychological processes in the dynamics of culture growth and change. Impact of western technology on tribal and peasant societies. Anthropological contributions to the planning of directed sociocultural change in selected areas.

### **414 Economic Anthropology (3)**

Prerequisite: Anthro 102. Ethnology and ethnography of economic life, principally in non-Western societies; operation of systems of production and distribution within diverse cultural contexts. One or more sections offered online.

### **415 Anthropology of Tourism (3)**

Prerequisite: Anthro 102. Tourism and travel as cultural practices. Domestic and international tourism; perspective of hosts and travelers; global economy and tourism; souvenirs, artifacts and symbolic landscapes; tourism as pilgrimage.

### **416 Anthropological Linguistics (3)**

Nature and functions of language; language structure and change; classification of languages; use of linguistic evidence in anthropology. (Same as Linguistics 416)

### **417 Life Quests (3)**

Prerequisite: Anthro 102. Contemporary ways to wisdom and humanness in cross-cultural and historical perspectives. New and comparative approaches to understanding the life cycle, development and fulfillment of individual personalities.

### **418 GIS and Archaeology (3)**

Prerequisite: Anthro 103 or equivalent course and junior or senior standing. Introduction to the use of Geographic Information Systems as they apply to the study of archaeology. Spatial analysis of past cultural remains from anthropological perspectives. One or more sections offered online.

### **419 Anthropology of Risk (3)**

Prerequisites: upper-division standing and Anthro 101, 102, 103. Ecological context of risk, cultural and behavioral responses to resource insecurity, the culture construction of risk, health outcomes in relation to risk-prone and risk-averse behavior, and social differentiation and risk.

#### **420 Visual Anthropology (3)**

Prerequisites: Anthro 100, 101, 102, 103 or equivalent.

Development of the field of visual anthropology and the changing and diverse approaches to the use of visual media in representing and interpreting other cultures.

#### **423 The Ancient Maya (3)**

Prerequisites: Anthro 102, 103. Archaeology and ethnohistory of the Maya area of Southern Mesoamerica. Problems of initial settlement of the area and the “rise” and dynamics of ancient Maya civilization.

#### **424 The Aztecs and Their Predecessors (3)**

Prerequisites: Anthro 102, 103. Archaeological survey of principal Mesoamerica pre-Columbian cultures north and west of the Maya area. Aztecs and their predecessors, religion, art, architecture, intellectual achievements and the Olmec heritage. One or more sections offered online.

#### **426 Archaeology of the Southwest (3)**

Prerequisite: Anthro 103. Archaeological ruins of the American Southwest – remains of ancient pueblos and cliff dwellings. Prehistory, ethnohistory and ethnographic record of ancient and contemporary Native American peoples of the Southwest over the past 11,000 years.

#### **427 Archeology of Settlement Patterns (3)**

Prerequisite: Anthro 103. Introduction to settlement pattern studies in archaeology. Dispersion of aggregates and households within communities, and communities within regions, as a way to study political, social and economic organization in past societies.

#### **428 Prehistoric North America (3)**

Prerequisite: Anthro 103. Change, development and diversity of adaptations of North American Indian cultures prior to European colonization. Uses archaeological data to describe and explain long-term processes of cultural change during ancient times in North America. One or more sections offered online.

#### **429 Archaeology of Inequality (3)**

Prerequisite: Anthro 102 or 103. Development of hereditary inequality in non-state societies and the processes by which inequalities become institutionalized. Range of theoretical approaches used to study social inequality, focusing specifically on archaeological contributions and the archaeological correlates of social inequality.

#### **430 Archaeology of Household Space (3)**

Prerequisite: Anthro 103. Households, domestic architecture and use of space in the archaeological and ethnographic record from diverse theoretical and methodological perspectives. Topics include cultural difference in residential dwellings, use of space, residence patterns, households, gender and ritual spaces.

#### **441 Human Variation (3)**

Prerequisites: Anthro 343 and one of either Anthro 301, 322 or 344. Processes underlying and the theories for the existence of the present variation between and within human populations. Genetics of human populations and the significance of racial classifications. (2 hours lecture, 3 hours laboratory)

#### **442 Medical Anthropology (3)**

Prerequisite: Anthro 342. Human health and disease and their relationship to cultural practices, beliefs and environmental factors; histories of various diseases as factors of cultural change; health care delivery systems. One or more sections offered online.

#### **443 Advanced Topics in Human Osteology (formerly 425) (3)**

Prerequisites: Anthro 343 and one of either Anthro 301, 322 or 344. Analytical methods stressing morphological examination of human bone in a laboratory setting (determination of human, prehistoric; analysis of fragmented and commingled remains; basic identification and report writing; pathological conditions). For those interested in archaeology, hominid evolution and/or forensic science.

#### **445 Quantitative Methods in Anthropology (3)**

Prerequisite: Anthropology major or minor and junior or senior standing. Develops skills and knowledge in the application of quantitative methods in anthropological research. Students learn an integrated approach to research design, data collection, data management, and data analysis through hands-on training.

#### **451 Advanced Human Evolution (3)**

Prerequisite: Anthro 322, 344 or Biology 274. Uses life history theory to examine evolutionary ecology of human behavior. Topics include the human life course, resource acquisition, parenting and fertility. Computer labs utilizing eHRAF. (Same as Biology 451)

#### **452 Paleoanthropology (3) pending sigt.**

Prerequisites: Anthro 301, 322 or 344. In-depth and detailed analysis of fossil evidence for human evolution using fossil cast material and computer aided virtual models. Modern evolutionary theory used to interpret the fossil evidence and understand hominin phylogeny.

#### **453 Human Evolutionary Anatomy (3)**

Prerequisites: Anthro 301, 322 or 344. Uses an evolutionary framework to conduct in-depth and detailed examination of the structure and function of human anatomical systems, their interaction, and their evolutionary histories and how those histories affect health in modern populations.

#### **454 Great Ape Conservation (3)**

Prerequisites: Anthro 301, 322 or 344. Uses behavioral ecology and life history theory to understand issues surrounding conservation of non human primates. Develop theoretical background crucial to understanding the population dynamics and ecological principles driving primate conservation strategies.

#### **455 Behavioral Observation (formerly 475) (3)**

Prerequisite: Anthro 301 or completion of G. E. Category III.A.3. Prepares students to conduct advanced behavioral observation research from an anthropological perspective. Research design, data collection techniques, ethical and other considerations unique to varied data collection settings, computerized resources and literature resources. Incorporates service learning.

**460 Public Archaeology (3)**

Prerequisite: Anthro 103. Analyzes new archaeological methods, current research specializations, and responsibilities of archaeologists, including Cultural Resource Management (CRM). Review of local, state and federal legislation affecting the protection and preservation of archaeological sites and other cultural resources.

**461 California Archaeology (3)**

Prerequisite: Anthro 103. Evolution and development of native California tribes over a 13,000-year time span based on archaeological and anthropological data. Follows a temporal and regional approach covering prehistory, ethnography and early history of native California cultures.

**463 Archaeofaunal Analysis (3)**

Prerequisites: Anthro 103. Method, theory and lab work in analyses of archaeofaunal remains recovered from archaeological sites and reconstruction of prehistoric subsistence patterns and paleoenvironments based on faunal remains. Topics include vertebrate skeletal identification, taphonomy, subsistence studies and quantification.

**470 Survey of Anthropological Films (3)**

Prerequisite: Anthro 100, 101, 102 or 103; 420 recommended. Survey and analysis of the uses of film and video in anthropological research, teaching, theory, methodology. Films are studied for their anthropological content, and as artifacts of western culture, which reveal significant aspects of that culture.

**476 Archaeological Investigations (3)**

Prerequisite: Anthro 102 or 103. Methodology and practice of archaeological fieldwork. May be repeated for credit. (1 hour lecture, 6 hours laboratory)

**480 History of Anthropology (3)**

Prerequisites: Anthro 101, 102, 103. Principal contributions of anthropologists 1850-1950; evolutionary, diffusionist, historical, particularist, configurationalist, and culture and personality approaches in anthropology. One or more sections offered online.

**481 Contemporary Anthropology (3)**

Prerequisites: Anthro 101, 102, 103. Anthropologists from 1950-present; neoevolutionist, sociological, structuralist, psychological and symbolic approaches. One or more sections offered online.

**490T Undergraduate Seminar in Anthropology (3)**

Prerequisite: consent of instructor. Topics in anthropology. May be repeated for credit.

**491 Internship in Anthropology (3)**

Prerequisites: 18 upper-division units in anthropology and/or related fields. Career opportunities. On-the-job training under faculty supervision in museum, industry or governmental service. One or more papers required. May be repeated for credit for a total of six units.

**497 Cultural Investigations (3)**

Prerequisites: Anthro 102 and 401 or equivalent. Methodology and practice of cultural fieldwork. May be repeated for credit. (1 hour lecture, 6 hours laboratory)

**498 Museum Practicum (3)**

Prerequisites: at least 15 units of anthropology and consent of instructor. Practical experience in museum operations, using the facilities of the Anthropology Museum. Topics include exhibit preparation, membership and funding operations, catalogue preparation and outreach activities. May be repeated for credit for a maximum of six units.

**499 Independent Study (1-3)**

Prerequisites: at least 15 units of anthropology and consent of adviser. Individual research project involving library or fieldwork. Conferences with the adviser as necessary. Results in one or more papers. May be repeated for credit.

**504T Seminar: Selected Topics in Anthropology (3)**

Prerequisites: completion of undergraduate major in anthropology and/or graduate standing or consent of instructor. Topic chosen and a general outline of the seminar are circulated prior to registration. May be repeated.

**507 Grammatical Analysis (3)**

(Same as Linguistics 507)

**511 Theory and Method in Biological Anthropology (3)**

Prerequisites: completion of undergraduate major in anthropology and/or graduate standing. Basic theoretical positions and methodological spectrum in biological anthropology.

**512 Theory and Method in Archaeology (3)**

Prerequisites: completion of undergraduate major in anthropology and/or graduate standing. Basic theoretical positions and methodological spectrum in archaeological anthropology.

**513 Theory and Method in Cultural/Linguistic Anthropology (3)**

Prerequisites: completion of undergraduate major in anthropology and/or graduate standing. Basic theoretical positions and methodological spectrum in cultural and linguistic anthropology.

**597 Project (3,6)**

Prerequisites: graduate standing and consent of project adviser. Completion of a project derived from original field or laboratory research, and/or from library study. Project could also be a museum exhibit, field report or other project. A copy of the approved written component of the project must be filed in the department through the department graduate program adviser. May be repeated for credit to a maximum of six units.

**598 Thesis (3,6)**

Prerequisites: graduate standing and consent of thesis adviser. Completion of a thesis derived from original field or laboratory research, and/or from library study. A copy of the approved thesis must be submitted to the department through the department graduate program adviser, and a copy of the thesis must be approved by the University Graduate Studies Office for submission to the bookstore for binding and microfilming. May be repeated for credit to a maximum of six units.

**599 Independent Graduate Research (1-3)**

Prerequisite: consent of adviser. Individual research involving fieldwork, laboratory, or library study, and conferences with a project adviser as necessary, and resulting in one or more papers. May be repeated for credit.



# Art

College of the Arts

## INTRODUCTION

Accredited by the National Association of Schools of Art and Design since 1974, the Department of Art offers programs that include the scholarly fields of art history, theory, analysis and criticism; the studio fields of drawing and painting, entertainment art/animation, printmaking, sculpture, crafts (including jewelry, wood and metal), ceramics (including glass), graphic design, creative photography, illustration and exhibition design; and the single subject teaching field of art education.

Curricular plans for the Bachelor of Arts and the Bachelor of Fine Arts have been developed to meet the individual needs and interests of students in art.

The general objectives of the programs are to provide a comprehensive learning environment that contributes conceptually and technically to the development of the art historian, the visual artist and the art teacher. Specifically, the programs provide opportunities for students to: (1) develop a knowledge and understanding of fundamental visual experience and concepts basic to many forms and fields of art; (2) develop a critical appreciation of historical and contemporary art forms as they relate to individual and social needs and values; (3) creatively express one's personal experience and thought with visual skill and clarity; (4) develop knowledge and skills necessary to pursue graduate studies in visual arts, or to teach art; and (5) develop the understanding and expertise applicable to professional practice.

## FACULTY

Joseph Biel, Bryan Cantley, Kyung Sun Cho, Dorte Christjansen, Cliff Cramp, James Dahl, Andrew Dickson, John T. Drew, Joe Forkan, Charles Grieb, Christian Hill, Arnold Holland, Elizabeth Holster, Jim Jenkins, Jade Jewett, Larry Johnson, Linda Kroff, Donald Lagerberg, Dana Lamb, John Leighton, Sergio Lizarraga, Elisa Mandell, Mike McGee, Theron Moore, Nobuhito Nishigawara, Joanna Roche, Jerry Samuelson, Christopher Slogar, Christina Smith, Brandon Strathmann, Chen Wang, Lawrence Yun

## ADVISERS

Undergraduate: Contact department office.

Graduate: Mike McGee

## BACHELOR OF ARTS IN ART

The 120-unit Bachelor of Arts degree offers concentrations in Art History, General Studio Art and Teaching. The program objectives are to provide correlative experiences, information and theory.

The Art History concentration emphasizes the area of art history, theory and appreciation and is particularly recommended for those students who wish to pursue graduate studies in art history or museum studies.

The General Studio Art concentration is a varied curriculum that provides a broad education in the visual arts.

The Teaching Concentration prepares students to meet the requirements for admission to the Credential Program teaching art, grades K-12. Students are encouraged to work with

## DEPARTMENT CHAIR

Larry Johnson

## DEPARTMENT OFFICE

Visual Arts 102

## DEPARTMENT WEBSITE

<http://www.fullerton.edu/arts/art>

## PROGRAMS OFFERED

Bachelor of Arts in Art

Art History

General Studio Art

Teaching

Bachelor of Fine Arts in Art

Ceramics

Crafts

Creative Photography

Drawing and Painting

Entertainment Art/Animation

Graphic Design

Illustration

Printmaking

Sculpture

Minor in Art

Master of Arts in Art

Drawing and Painting (including  
Printmaking)

Sculpture

Crafts (including Ceramics, Glass,  
Wood, Jewelry/Metalsmithing)

Design (including Graphic Design,  
Illustration, Exhibition Design,  
Creative Photography)

Art History

Master of Fine Arts in Art

Drawing, Painting and Printmaking

Sculpture

Ceramics (including Glass)

Crafts (including Jewelry/  
Metalsmithing, and Woodworking)

Design (including Graphic Design,  
Illustration and Exhibition Design)

Creative Photography

Certificate in Museum Studies

the department adviser and/or the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, major and electives.

In addition to the requirements listed below for the major, students must meet the other university requirements for a Bachelor of Arts degree. Students in the Teaching Concentration must also meet specific requirements for the desired teaching credential.

All art majors must take Art 300, Writing in the Visual Arts, and pass the university's Examination in Writing Proficiency (EWP) after achieving junior standing (60 units). Testing dates for the EWP are available from the Testing Center or the Academic Advisement Center.

To earn a Bachelor of Arts in Art students must achieve grades of "C" (2.0) or better in all art courses required for the degree.

### **ART HISTORY CONCENTRATION**

#### **Preparation for the major (lower division - 21 units)**

Art 201A,B Art and Civilization (3,3)

Lower-division studio courses (3,3)

Approved electives in art, American studies, anthropology, history, literature, music, philosophy or theatre (3,3,3)

#### **The major (upper division - 33 units)**

Art 300 Writing in the Visual Arts (3)

Art 480T Selected Topics in Art History (3)

Art 481 Seminar in Art History (3)

Approved upper-division elective (3)

#### **Upper-division art history (21)**

### **GENERAL STUDIO ART CONCENTRATION**

#### **Lower Division (27 units)**

Art 103 Two-Dimensional Design (3)

Art 104 Three-Dimensional Design (3)

Art 107A,B Beginning Drawing and Painting (3,3)

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art Electives (3,3)

Select at least two courses from two of the following areas: graphic design; entertainment art/animation; illustration; printmaking; creative photography; sculpture; ceramics; crafts; drawing and painting.

#### **Upper Division (27 units)**

Art 300 Writing in the Visual Arts (3)

Art History (3,3)

#### **Studio Area (12 units)**

Select one course from each of the following: drawing and painting; sculpture, creative photography, printmaking; crafts and ceramics; graphic design, illustration, entertainment art/animation.

### **Electives (3,3)**

Choose two courses from at least two different categories of the following: drawing and painting; printmaking; creative photography; sculpture; crafts; glass; ceramics; graphic design; illustration; exhibition design; art education; entertainment art/animation.

### **TEACHING CONCENTRATION**

#### **Single Subject Instruction**

(Qualifies for Teaching Art in Grades K-12)

#### **Preparation for the major (lower division - 30 units)**

Art 103 Two-Dimensional Design (3)

Art 104 Three-Dimensional Design (3)

Art 106A Beginning Ceramics (3)

Art 107A,B Beginning Drawing and Painting (3,3)

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 205A Beginning Crafts (3)

Art 207A Drawing and Painting (3)

#### **Major requirements (upper division - 24 units)**

Select Drawing and Painting, Crafts, or Creative Photography and Computer Design Emphasis.

##### *Drawing and Painting Emphasis*

Art 300 Writing in the Visual Arts (3)

Art 307A Drawing and Painting (3)

Art 310A Watercolor (3)

Art 312 Modern Art (3)

Art 317A Life Studies, Drawing and Painting (3)

Art 347A Printmaking Etching (3)

Art 363B Illustration (3)

Art 441 Media Exploration for Teaching Art (3)

##### *Crafts Emphasis*

Art 300 Writing in the Visual Arts (3)

Art 305A Advanced Crafts (3)

Art 306A,B Advanced Ceramics (3,3)

Art 312 Modern Art (3)

Art 315A Jewelry (3)

Art 363B Illustration (3)

Art 441 Media Exploration for Teaching Art (3)

##### *Creative Photography and Computer Design Emphasis*

Art 300 Writing in the Visual Arts (3)

Art 338A,B Creative Photography (3,3)

Art 363B Illustration (3)

Art 441 Media Exploration for Teaching Art (3)

Art 478 Studio Expanded: Other Genre (3)

Art History (3)

*Select one course from the following:*

Art 483E Computer Assisted Graphics (3)

Art 483F Design for Interactive Art (3)

### Credential Requirements

The B.A. in Art (Teaching Concentration) may be effectively combined with subject matter studies necessary for either the multiple subject teaching credential (K-8) or single subject credential (7-12) in art. Undergraduates are encouraged to work with the faculty adviser in art and the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, the concentration and electives. With careful planning it may be possible to take certain education courses in the senior year of the bachelor's degree. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) for information on attending an overview presentation.

### General Program Requirements

1. Be advised by a faculty adviser in art education
2. Fulfill credential requirements listed in the credential program section of the catalog (see "Teacher Education" or "Credentials" in the index)
3. Meet the requirements listed under the Teaching Concentration
4. Apply and be admitted to a credential program prior to enrollment in Art Ed 442, professional education courses and student teaching. Contact the Admission to Teaching Education office in the College of Education.
5. Be accepted for teacher education and student teaching based on candidate quotas, portfolio review and evidence of success in completed university coursework.
6. Be recommended by the faculty adviser in art education
7. Complete Secondary Education prerequisites 310 and 320 or equivalents prior to applying to the teacher education program for the Single Subject credential
8. Pass C-BEST exam prior to admission to the credential program
9. Complete Secondary Education prerequisites 330, 340 and 404/407 before extern semester
10. Have a G.P.A. of 2.89 overall, 3.0 in major.

### Single Subject Credential Preparation

*First semester (extern): 15 units*

*Second semester (intern): 15 units*

Upon completion of above program, the student is eligible for a partial or preliminary credential. A clear credential requires nine additional units of state-mandated courses within a specified period of time.

### Multiple Subject Credential Preparation

The following three courses are recommended for all students intending to teach in elementary schools in multiple subject classrooms.

Art 380 Art and Child Development (3)

Music 333 Music and Child Development (3)

Theatre 402 A or B Dramatic Activities for Children (3)

The following additional courses are strongly recommended for students who wish to expand their knowledge in any or all of the arts:

Art 101, 103, 104, 106A, 107A, 201A,B, 310A,B, 330, 380, 441

Dance 101, 112, 122, 132, 142, 323A,B, 422

Music 111, 281B,P,S,W, 283

Theatre 100, 263A,B, 276, 277, 370A,B, 402A,B, 403A,B

### BACHELOR OF FINE ARTS IN ART

The Bachelor of Fine Arts degree is a professional program providing directed studies in nine studio concentrations within the visual arts. The program is designed for students seeking in-depth preparation for specialized goals selected from one of the following areas: ceramics, crafts, creative photography, drawing and painting, entertainment art/animation, graphic design, illustration, printmaking and sculpture. The program develops the understanding and advanced specialized skills applicable to professional practice and to meet entrance requirements to graduate school.

### Admission Requirements

Upon admission to the University as an art major, students are placed in the Bachelor of Arts category, whether entering as a freshman or transferring from a community college. Upon proof of completion of the 12 lower-division studio units listed below with a "B" (3.0) or better grade point average, students may contact the Art Department for changing their academic objective to the Bachelor of Fine Arts in Art.

Art 103 Two-Dimensional Design (3)

Art 104 Three-Dimensional Design (3)

Art 107A Beginning Drawing (3)

Art 107B Beginning Painting (3)

### Program Requirements

The 132-unit Bachelor of Fine Arts degree program requires a minimum of 81 units in art: The 12 units of studio art "Admission Requirements" plus 12 units of Art History and 57 units of art. The major is divided into 21 units of lower-division preparation and 48 upper-division units. In addition to the minimum 69-unit requirement for the B.F.A. degree, students must meet the other university requirements for a bachelor's degree (see the University Catalog and Class Schedule).

To earn a Bachelor of Fine Arts in Art, students must achieve grades of "C" (2.0) or better in all art courses required for the degree.

In addition to Art 300 Writing in the Visual Arts (\*below), students must also take and pass the Examination in Writing Proficiency (EWP).

## **CERAMICS CONCENTRATION**

### **Preparation (lower division - 21 units)**

Art 106A,B Beginning Ceramics (3,3)

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Lower-division studio electives (3,3)

### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 306A,B Advanced Ceramics (3,3)

Art 326A,B Ceramic Sculpture (3,3)

Art 424A,B Glass Blowing (3,3)

Art 484A or 484B or Art 484C Special Studies in Ceramics and Glass (3,3,3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

## **CRAFTS CONCENTRATION**

### **Preparation (lower division - 21 units)**

Art 123 Descriptive Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 205A,B Beginning Crafts (3,3)

Lower-division studio electives (3,3)\*

### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 305A,B Advanced Crafts (3,3)

*Select 12 units from:*

Art 306A,B Advanced Ceramics (3,3)

Art 315A,B Jewelry (3,3)

Art 330 Creative Papermaking (3)

Art 364A Stained Glass (3)

Art 364B Stained Glass/Kiln Working (3)

Art 485A,B,C, or F Special Studies in Crafts (3,3)

Art 495 Internship in Art (3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

## **CREATIVE PHOTOGRAPHY CONCENTRATION**

### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 238 Photo Visual Concepts (3)

Art 247 Introduction to Linoleum and Woodcut Prints (3)

Lower-division studio electives (3,3)\*

### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 338A,B Creative Photography (3,3)

Art 348 Artists' Books (3)

Art 410 The Digital Studio (3)

Art 418 Seminar in Creative Photography (3)

Art 439 Creative Photo Studio Projects (3)

Art 478 Studio Expanded: Other Genre (3)

Art 489 Special Studies, Creative Photo (3,3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

## **DRAWING AND PAINTING CONCENTRATION**

### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 207A,B Drawing and Painting (3,3)

Lower-division studio electives (3,3)

### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 307A,B Drawing and Painting (3,3)

Art 317A,B Life Studies, Drawing and Painting (3,3)

Art 487A Special Studies, Painting (3)

Art 487B Life Studies, Drawing and/or Painting (3)

*Select nine units from the following:*

Art 487A,B and/or C (3,3,3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

## **ENTERTAINMENT ART/ANIMATION CONCENTRATION**

### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 217 Life Drawing for Animation (3)

Art 253 Introduction to Traditional Animation (3)

Art 255 Introduction to 3D Computer Animation (3)

Lower-division Studio Electives (3)\*

### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 317A Life Studies, Drawing and Painting (3)

Art 337 Animal and Wildlife Drawing (3)

Art 353A Drawing for Animation (3)

Art 353B Animation (3)

Art 487E Special Studies in Entertainment Art/Animation (3)

*Select nine units from:*

Art 317B Life Studies, Drawing and Painting (3)

Art 317C Sculpting Life Forms (3)

Art 318A Drawing and Painting the Head and Hands (3)

Art 353A Drawing for Animation (3)

Art 353B Animation (3)

Art 355 3D Computer Animation (3)

Art 367 Elements of Sequential Art (3)

Art 373 Cartooning and Caricature (3)

Art 483B Pictorial Background (3)

Art 483C Special Studies in Illustration (3)

Art 483I Motion Graphics Design (3)

Art 487E Special Studies in Entertainment Art/Animation (3)

Art 487S Special Studies in Sequential Art (3)

Art 495 Internship in Art (3)

*Select three units from:*

Art 483B Pictorial Background (3)

Art 483C Special Studies in Illustration (3)

Art 487E Special Studies in Entertainment Art/Animation (3)

Art 487S Special Studies in Sequential Art (3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

### **GRAPHIC DESIGN CONCENTRATION**

#### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 223A,B Lettering and Typography (3,3)

Art 223C Typography into Graphic Design (3)

Lower-division studio electives (3)

#### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 323A,B Graphic Design (3,3)

Art 338A Creative Photography (3)

Art 363A,B Illustration (3,3)

Art 483A Special Studies in Graphic Design (3,3)

Art 483E Computer Assisted Graphics (3)

Art 483F Design for Interactive Art (3)

Art 495 Internship (3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3)\*

### **ILLUSTRATION CONCENTRATION**

#### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 123 Descriptive Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 223A Lettering and Typography (3)

Lower-division studio electives (3,3)\*

#### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 317A,B Life Studies, Drawing and Painting (3,3)

Art 318A Drawing and Painting the Head and Hands (3)

Art 323A Graphic Design (3)

Art 363A,B Illustration (3,3)

Art 483C Special Studies in Illustration (3,3)

Art 495 Internship in Art (3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

### **PRINTMAKING CONCENTRATION**

#### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 207A Drawing and Painting (3)

Art 247 Introduction to Linoleum and Woodcut Prints (3)

Lower-division studio electives (3,3)\*

#### **Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)

Art 307A,B Drawing and Painting (3,3)

Art 317A,B Life Studies, Drawing and Painting (3,3)

Art 338A Creative Photography (3)

Art 347A Printmaking Etching (3)

Art 347B Printmaking Lithography (3)

Art 487D Special Studies in Printmaking (3,3)

Upper-division art history electives (3,3)\*

Upper-division studio art electives (3,3,3,3)\*

### **SCULPTURE CONCENTRATION**

#### **Preparation (lower division - 21 units)**

Art 117 Life Drawing (3)

Art 201A,B Art and Civilization (3,3)

Art 216A,B Beginning Sculpture (3,3)

Lower-division studio electives (3,3)\*

**Concentration (upper division - 48 units)**

Art 300 Writing in the Visual Arts\* (3)  
Art 316A,B Sculpture (3,3)  
Art 317A,B or C Life Studies, Drawing and Painting; Sculpting Life Forms (3,3)  
Art 326A Ceramic Sculpture (3)  
Art 336 Moldmaking and Cast Sculpture (3)  
Art 346 Kinetic Sculpture (3)  
Art 486A Modeling and Fabrication (3,3)  
Upper-division art history (3,3)\*  
Upper-division studio art electives (3,3,3,3)\*

**ELECTIVES FOR ALL CONCENTRATIONS**

Following are lists of lower-division Studio electives, upper-division Studio Art electives, and upper-division Art History electives, which may be used in any of the preceding concentrations.

**Lower-Division Studio Electives**

Art 106A,B Beginning Ceramics (3,3)  
Art 117 Life Drawing (3)  
Art 123 Descriptive Drawing (3)  
Art 205A,B Beginning Crafts (3,3)  
Art 207A,B Drawing and Painting (Experimental Methods and Materials) (3,3)  
Art 216A,B Beginning Sculpture (3,3)  
Art 217 Life Drawing for Animation (3)  
Art 223A,B Lettering and Typography (3,3)  
Art 223C Typography into Graphic Design (3)  
Art 238 Photo Visual Concepts (3)  
Art 247 Introduction to Linoleum and Woodcut Prints (3)  
Art 253 Introduction to Traditional Animation (3)  
Art 255 Introduction to 3D Computer Animation (3)  
Art 263 Perspective Drawing (3)

**Upper-Division Studio Art Electives**

Art 305A,B Advanced Crafts (3,3)  
Art 306A,B Advanced Ceramics (3,3)  
Art 307A,B Drawing and Painting (3,3)  
Art 310A,B Watercolor (3,3)  
Art 315A,B Jewelry (3,3)  
Art 316A,B Sculpture (3,3)  
Art 317A,B Life Studies, Drawing and Painting (3,3)  
Art 317C Sculpting Life Forms (3)  
Art 318A Drawing and Painting the Head and Hands (3)  
Art 318B Portraiture (3)

Art 323A,B Graphic Design (3,3)  
Art 324 Beginning Glass Casting (3)  
Art 326A,B Ceramic Sculpture (3,3)  
Art 330 Creative Papermaking (3)  
Art 336 Moldmaking and Cast Sculpture (3)  
Art 337 Animal and Wildlife Drawing (3)  
Art 338A,B Creative Photography (3,3)  
Art 346 Kinetic Sculpture (3)  
Art 347A Printmaking Etching (3)  
Art 347B Printmaking Lithography (3)  
Art 348 Artists' Books (3)  
Art 353A Drawing for Animation (3)  
Art 353B Animation (3)  
Art 355 3D Computer Animation (3)  
Art 357 Woodcuts and Monotypes (3)  
Art 363A,B Illustration (3,3)  
Art 363C Advanced Digital Illustration (3)  
Art 364A Stained Glass (3)  
Art 364B Stained Glass/Kiln Working (3)  
Art 367 Elements of Sequential Art (3)  
Art 373 Cartooning and Caricature (3)  
Art 380 Art and Child Development (3)  
Art 410 The Digital Studio (3)  
Art 424A,B Glass Blowing (3,3)  
Art 439 Creative Photo Studio Projects (3)  
Art 448 Special Studies: Artists' Books (3)  
Art 453A,B Exhibition Design (3,3)  
Art 478 Studio Expanded: Other Genre (3)  
Art 483A Special Studies in Graphic Design (3)  
Art 483B Pictorial Background (3)  
Art 483C Special Studies in Illustration (3)  
Art 483D Special Studies in Exhibition Design (3)  
Art 483E Computer Assisted Graphics (3)  
Art 483F Design for Interactive Art (3)  
Art 483G Entertainment Graphics (3)  
Art 483H Plein-air Painting and Location Drawing (3)  
Art 483I Motion Graphics Design (3)  
Art 484A Special Studies in Ceramics and Glass: Ceramics (3)  
Art 484B Special Studies in Ceramics and Glass: Glass Blowing (3)  
Art 484C Special Studies in Ceramics and Glass: Glass Casting (3)  
Art 485A Special Studies in Crafts: Jewelry (3)  
Art 485B Special Studies in Crafts: General Crafts (3)  
Art 485C Special Studies in Crafts: Metalsmithing (3)

- Art 485F Special Studies in Crafts: Papermaking (3)
- Art 486A Special Studies in Sculpture: Modeling and Fabrication (3)
- Art 486B Special Studies in Sculpture: Casting (3)
- Art 487A Special Studies in Painting (3)
- Art 487B Life Studies: Drawing and/or Painting (3)
- Art 487C Special Studies in Drawing (3)
- Art 487D Special Studies in Printmaking (3)
- Art 487E Special Studies in Entertainment Art/Animation (3)
- Art 487S Special Studies in Sequential Art (3)
- Art 489 Special Studies in Creative Photography (3)

### Upper-Division Art History Electives

- Art 301 Ancient Art (3)
- Art 302 Medieval Art (3)
- Art 311 Foundations of Modern Art (3)
- Art 312 Modern Art
- Art 320 History of Architecture Before the Modern Era (3)
- Art 401 History of Women Artists (3)
- Art 413 History of Contemporary Art (3)
- Art 431 Renaissance Art (3)
- Art 460 Pre-Columbian Art (3)
- Art 461 American Art: 20th Century (3)
- Art 462 Latin American Art from 1800 to the 1950s (3)
- Art 463 Native North American Art (3)
- Art 464 Museum Conservation (3)
- Art 465 Art of Sub-Saharan Africa (3)
- Art 466 Museum Education (3)
- Art 470 History and Aesthetics of Photography (3)
- Art 472 Native Arts of California and the Southwest (3)
- Art 475 Professional Practices in the Arts (3)
- Art 480T Selected Topics in Art History (3)
- Art 481 Seminar in Art History (3)

### MINOR IN ART

Twenty-four units with a grade of “C” (2.0) or better are required for a minor in art; a minimum of 12 units are to be in upper-division courses in residence. A basic course in each of the following areas is required: art history, theory, analysis and criticism; design; drawing and painting; and crafts.

Recommended courses to meet the “basic courses” requirement are: Art 201A or B; Art 103 or 104; Art 107A or B; Art 106A or 205A. Completion of these courses will provide a reasonable foundation for entry into upper-division courses. Students planning to qualify for a standard teaching credential specializing in elementary or secondary teaching with art as a minor must obtain approval from the Art Department.

### MASTER OF ARTS IN ART

This program provides a balance of study and practice for those who wish a career in the visual arts, or who want to prepare for further graduate work in the field. The program offers the following areas of concentration: drawing and painting (including printmaking); sculpture; crafts (including ceramics, wood, glass, jewelry/metalsmithing); design (including graphic design, illustration, exhibition design, creative photography); and art history.

#### Application Deadlines

The deadlines for completing online applications to the university are March 1 for the fall semester and Oct. 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

The Art Department also has a supplemental application process required for all prospective graduate students. See <http://www.fullerton.edu/arts/art> for further information.

#### Admission Requirements

1. Classified standing:
  - a. A baccalaureate degree in art with the same concentration as the raduate degree objective from an accredited institution, or 24 upper-division units in art of which 12 units must be in a concentration completed with grades of “B” (3.0) or better. Applicants are advised that most upper-division courses require lower-division prerequisites. A faculty adviser should be consulted with regard to recommended courses.
  - b. GPA minimum of 2.5 in the last 60 semester units attempted
  - c. Pass comprehensive review: held semiannually, the comprehensive review is an evaluation of the candidate by a committee comprising faculty teaching in the area of concentration. The committee reviews the student’s creative work, statement of purpose, academic and other relevant qualifications; assigned research papers are required of art history applicants in lieu of a portfolio. Procedures, dates and appointment times are available through the art department graduate secretary.
  - d. Form a graduate committee
  - e. Development of an approved study plan
  - f. Art history program: reading knowledge of a foreign language is required before advancement to candidacy
2. Conditionally classified standing: The same requirements as a. and b. above, plus:
  - a. Studio program: Participation in comprehensive portfolio review with a recommendation by the committee of conditional acceptance.
  - b. Art History program: Satisfactory review of research papers by art history faculty

- c. Enrollment is allowed in graduate-level courses with the exception of Art 500A,B; 511; 512; 597; and 598
- d. Passing the comprehensive review will be required for classified standing

### Study Plan

The degree program requires 30 units of graduate study approved by the student's graduate committee, of which 15 must be 500-level courses. The M.A. study plan must be completed with no grade below "C" (2.0), a "B" (3.0) average, and "B" (3.0) or better in all courses in the area of concentration. The 30 units are distributed as follows:

1. Core courses in art history, philosophy, analysis and criticism (9 units)
  - a. Studio program:
    - Art 500A Graduate Seminar in Major Field (3)
    - Art 500B Graduate Seminar in Major Field (3)
 (ADMISSION WITH CLASSIFIED STANDING ONLY)
  - b. Art history program:
    - Art 511 Seminar on the Content and Method of Art History (3)
    - Art 512 Seminar on Selected Topics in Art History (3)
 (ADMISSION WITH CLASSIFIED STANDING ONLY)
  - c. 400-level course in art history, theory, analysis or criticism on the recommendation of the major adviser.
2. Concentration (12 units) 500-and/or 400-level courses in an area of concentration (minimum of six units at 500-Level)
3. Additional coursework in the area of concentration or approved electives (3 or 6 units)
4. Art 597 Project (3) for studio; or Art 598 Thesis (6) for art history Every graduate student is required to demonstrate writing ability commensurate with the baccalaureate degree. Two graduate seminars are certified to fulfill this university requirement.

The Department of Art requires the studio candidate for the Master of Arts in Art to exhibit the project in one of the department's graduate galleries. The art history candidate is required to submit a written thesis based on a specific topic of research.

For further information, consult the graduate program adviser and read the University Graduate Regulations section of this catalog.

### MASTER OF FINE ARTS IN ART

The Master of Fine Arts in Art features a rigorous studio program for the serious, responsible and talented student. The curriculum and faculty challenge students to focus on the goal of becoming professional artists.

The M.F.A. program provides in-depth study within a 60-unit approved study plan in the following areas of concentration: design (including graphic design, illustration, and exhibition design); ceramics (including glass); crafts (including jewelry/metalsmithing and woodworking); sculpture; drawing, painting, and printmaking; and creative photography.

### Admission Requirements

1. Classified standing:
  - a. Baccalaureate degree in art with the same concentration as the graduate degree objective from an accredited institution, or 24 upper-division units in art, 18 of which must be in the concentration completed with grades of "B" (3.0) or better. Applicants are advised that most upper-division courses require lower-division prerequisites.
  - b. Minimum grade-point average of 2.5 in the last 60 units attempted and has been in good standing at the last college attended.
  - c. Pass the comprehensive portfolio review: Held semi-annually, the comprehensive portfolio review is an evaluation of the candidate by a committee comprising faculty teaching in the area of concentration. The committee reviews the student's creative work, statement of purpose, academic and other relevant qualifications. Procedures, dates and appointment times are available through the Art Department Graduate Office. If the student's portfolio is not adequate, the applicant may still be recommended for conditionally classified standing by the faculty comprehensive review committee. However, the comprehensive portfolio review must be repeated.
  - d. Form a graduate committee.
  - e. Develop an approved study plan.

### 2. Conditionally Classified standing:

Conditionally classified students may enroll in graduate courses with the exception of Art 500A,B; 511, 512, 597; and 598. The comprehensive portfolio review must be repeated and passed to be recommended for classification.

### Application Deadlines

Deadlines for completing online applications to the university are March 1 for the fall semester and Oct. 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

The Art Department also has a supplemental application process. See <http://www.fullerton.edu/arts/art> for further information.

### Study Plan

The M.F.A. degree program requires 60 units of graduate study. The study plan must be completed with grades of "C" (2.0) or better, an overall "B" (3.0) average or better and grades of "B" (3.0) or better in the concentration. Every graduate student is required to demonstrate writing ability commensurate with the baccalaureate. Two graduate seminars are certified to fulfill this university requirement. The 60-unit study plan is distributed as follows:

*Areas (60 units total)*

Theory, Criticism: Art 500A, 500B (6)

Art History (9)

Studio Area of Concentration (24)

Studio Electives in Art (12)

*Capstone Experience:*

Independent Study: Research (3)

Studio Project (6)

### **Master of Fine Arts Project**

The M.F.A. project exhibition constitutes a professional one-person art exhibit. It is installed in one of the department's graduate galleries and announced for public view by the student as the final phase of the M.F.A. program requirements.

### **POSTBACCALAUREATE UNCLASSIFIED**

Students who do not have the prerequisites to qualify for the graduate program may apply to the university as a postbaccalaureate-unclassified student. Typically, students in this category have a bachelor's degree in art but need to meet the prerequisites for a different concentration; or did not major in art and must complete courses for the 24 upper-division art unit requirement. To qualify for admission, an applicant must hold a baccalaureate degree from an accredited institution, have attained a grade-point average of at least 2.5 in the last 60 units attempted and have been in good standing at the last college attended. Admission with postbaccalaureate standing does not constitute admission to the art graduate program or graduate degree curricula.

### **CERTIFICATE IN MUSEUM STUDIES**

Courses leading to the certificate are designed to educate students in museum practices in preparation for entry into the museum profession. The curriculum includes instruction in the historical development and philosophical basis of collections, exhibitions and their design, and curatorship. A museum internship is required. The certificate in museum studies may be undertaken as a self-contained program or in conjunction with the Master of Arts in Art degree or the Master of Fine Arts in Art degree or, by special permission, with other graduate degrees in the university. (For an M.A. or M.F.A. in Art degree with an exhibition design emphasis, see M.A. and M.F.A. emphases under the design concentration.)

#### **Prerequisites**

1. B.A. in Art or other major by special permission
2. Specific course prerequisites:
  - a. 12 units in upper-division art history
  - b. 6 units in design and exhibition design
  - c. 3 units of advanced writing (Communications 435 Editorial and Critical Writing; or Communications 362 Public Relations Writing; or English 301 Advanced College Writing)
  - d. 3 units of beginning accounting

### **Study Plan**

The certificate program requires 24 units. The 24 units are distributed as follows:

Art 464 Museum Conservation (3)

Art 481 Seminar in Art History (3)

Art 483D Exhibition Design (3)

Art 495 Internship in Art (3)

Art 501 Curatorship (3)

Art 503D Exhibition Design (3,3)

Course in museum education (3)

For further information, consult the Department of Art.

### **ART COURSES**

Courses are designated as ART in the class schedule.

#### **101 Introduction to Art (3)**

Historical and contemporary art forms of painting, sculpture, architecture and design. Field trips required. Not open to art majors for credit except by permission of Art Department. (3 hours lecture)

#### **103 Two-Dimensional Design (3)**

Art concepts, aesthetic elements and materials of two-dimensional design and visual organization. (6 hours activity)

#### **104 Three-Dimensional Design (3)**

Art concepts, aesthetic elements and materials of three-dimensional design and spatial organization. (6 hours activity)

#### **106A Beginning Ceramics (3)**

Form as related to ceramic materials, tools, processes. Kiln loading and firing, hand building, wheel throwing and raku. (9 hours laboratory)

#### **106B Beginning Ceramics (3)**

Prerequisite: Art 106A. Form as related to ceramics. Glaze batching and its application, and the presentation of ceramic technique. (9 hours laboratory)

#### **107A Beginning Drawing (3)**

Traditional and contemporary use of drawing materials integrated with visual experiences and art concepts. (6 hours activity)

#### **107B Beginning Painting (3)**

Traditional and contemporary use of painting materials integrated with visual experiences and art concepts. (6 hours activity)

#### **117 Life Drawing (3)**

Drawing the live model. (3 hours activity)

#### **123 Descriptive Drawing (3)**

Descriptive drawing, rendering techniques and theories representing forms of nature. (6 hours activity)

**201A, B Art and Civilization (3,3)**

Ideas, forms and styles of the visual arts as they developed in various cultures from prehistoric time to the present. (3 hours lecture)

**205A Beginning Crafts (3)**

Prerequisites: Art 103, 104. Pre- or corequisite: Art 104. Traditional and contemporary concepts and processes with emphasis on design principles in the development of aesthetic forms based on function. (9 hours laboratory)

**205B Beginning Crafts (3)**

Prerequisite: Art 205A. Development of esthetic forms based on function, with emphasis on design principles and the creative use of hand tools and power equipment. (9 hours laboratory)

**207A,B Drawing and Painting (Experimental Methods and Materials) (3,3)**

Prerequisites: Art 107A,B, 117 or equivalents. Traditional and contemporary concepts, methods and materials. (6 hours activity)

**216A,B Beginning Sculpture (3,3)**

Prerequisite: Art 104. Creative use of wood and metal, power equipment and hand tools. (9 hours laboratory)

**217 Life Drawing for Animation (3)**

Prerequisite: Art 117. Continuing course of the human figure. Develops animation student's skills of drawing from observation. May be repeated once for credit. (6 hours activity)

**223A Lettering and Typography (3)**

Prerequisite: Art 103. History, design and use of letter forms; the rendering and use of hand-lettered forms. (6 hours activity)

**223B Lettering and Typography (3)**

Prerequisites: Art 103 and 223A or equivalents. History, design and use of letter forms; techniques for rough and comprehensive layouts, and introduction to computer graphics. (6 hours activity)

**223C Typography into Graphic Design (3)**

Prerequisites: Art 103 and 223A. Technology and its application to typographic and graphic design solutions. Conceptual understanding of current technology as medium and tool in the creative process. (6 hours activity)

**224 Introduction to Glassblowing (3)**

Prerequisite: Art 103 and/or 104. Introduces processes of art-making with hand blown glass as the medium. Historical and creative processes from concept to design to the execution of well-crafted glass projects.

**238 Photo Visual Concepts (3)**

Prerequisite: Art 103. Introductory photography course for art majors. Includes the study of photographic vision and design, visual conceptualization and examination of the qualities of light through the use of instant and automatic cameras. (9 hours laboratory)

**247 Introduction to Linoleum and Woodcut Prints (3)**

Prerequisites: Art 107A,B. Woodcut, linocut and monoprint as a medium of personal expression. (9 hours laboratory)

**253 Introduction to Traditional Animation (3)**

Prerequisites: Art 103, 104, 117, 217. Principles and practices of traditional animation techniques ranging from the fundamentals of squash, kinetics and acting. (6 hours activity)

**255 Introduction to 3D Computer Animation (3)**

Prerequisites: Art 103, 104, and 107A,B. Introduction to the art of creating three-dimensional digital character animation. (9 hours activity)

**263 Perspective Drawing (3)**

Prerequisites: Art 107A and 123 or equivalents. Introduction to linear perspective systems used to develop and place natural and fabricated forms in space on a two-dimensional surface. Integrated with methods and techniques of rendering light, shadow and reflection on varied subject matter, including the human figure. (6 hours activity)

**300 Writing in the Visual Arts (3)**

Prerequisite: junior standing. Principles, practices and objectives of writing in the visual arts. Includes descriptive, analytical and expressive essays; project and grant proposals; artist's statements; resumes; and professional correspondence. Satisfies the classroom portion of the upper-division writing requirements for art majors.

**301 Ancient Art (3)**

Developments in art from the Paleolithic to late antiquity.

**302 Medieval Art (3)**

Developments in art from the late antiquity through the Gothic.

**305A,B Advanced Crafts (3,3)**

Prerequisites: Art 205A,B. Advanced concepts and processes in the development of esthetic forms based on function, emphasizing individual growth and personal expression. (9 hours laboratory)

**306A,B Advanced Ceramics (3,3)**

Prerequisites: Art 103, 104 and 106A,B. Forms and the creative use of ceramic concepts and materials; design, forming, glazing and firing. (9 hours laboratory)

**307A,B Drawing and Painting (3,3)**

Prerequisites: Art 107A,B, 117, and 207A,B or equivalents. Concepts, materials and activities of drawing and painting, emphasizing individual growth, plan and craft. (6 hours activity)

**310A,B Watercolor (3,3)**

Prerequisites: Art 107A,B or equivalents. Watercolor media related to varied subject matter and design applications. Includes field trip activity. Provides skills and concepts useful for school art programs. (6 hours activity)

**311 Foundations of Modern Art (3)**

Prerequisite: upper-division standing. History of painting and sculpture from the French Revolution to the end of the 19th century.

**312 Modern Art (3)**

Prerequisite: Art 101, 201A, or 201B, or upper-division standing and Art major. History of painting, graphic arts and sculpture from late 19th century to World War II.

**315A,B Jewelry (3,3)**

Prerequisites: Art 205A and 305A. Pre- or corequisite: Art 305A. Design and creation of jewelry. (9 hours laboratory)

**316A,B Sculpture (3,3)**

Prerequisites: Art 104 and 216A. Sculptural materials and processes. (9 hours laboratory)

**317A,B Life Studies, Drawing and Painting (3,3)**

Prerequisites: three units lower-division life drawing. Drawing and painting from the live model. (9 hours laboratory)

**317C Sculpting Life Forms (3)**

Prerequisites: Art 103, 104, 117, 217; and 317A or 318A. Three-dimensional investigation of any life form, its characteristics and expressive possibilities. (9 hours laboratory)

**318A Drawing and Painting the Head and Hands (3)**

Prerequisites: Art 107A,B and 117. Specialized problems in construction and anatomy of the human head and hands, and their principal use in drawing, painting and illustration. (9 hours laboratory)

**318B Portraiture (3)**

Prerequisites: Art 107A,B. Comprehensive problems in composition, concept, content and execution of portraits. (9 hours laboratory)

**320 History of Architecture Before the Modern Era (3)**

Prerequisite: upper division standing. Selected monuments from Stonehenge through the late Baroque. Interrelationship between patronage, style, function, structural principles and technological developments.

**323A Graphic Design (3)**

Prerequisites: Art 223A,B,C or equivalents. Development and projection of ideas in relation to the technical, aesthetic and psychological aspects of advertising art. Intermediate use of computer graphics. (6 hours activity)

**323B Graphic Design (3)**

Prerequisites: Art 223A,B,C and 323A, or equivalents, or consent of instructor. Development and projection of ideas in relation to the technical, aesthetic and psychological aspects of advertising art. Intermediate use of computer graphics. (6 hours activity)

**324 Beginning Glass Casting (3)**

Prerequisites: Art 103 and 104. Hot glass laboratory equipment and casting techniques. Introduction to hot pour, sand and kiln casting. (9 hours laboratory)

**326A,B Ceramic Sculpture (3,3)**

Prerequisites: Art 103, 104, 117. Development of ceramic technology into individual sculptural forms and techniques. (9 hours laboratory)

**330 Creative Papermaking (3)**

Prerequisites: Art 103 and 104. Use of papers and fibers as an art form. (9 hours laboratory)

**336 Moldmaking and Cast Sculpture (3)**

Prerequisite: Art 216A. Theories and techniques of rigid and flexible moldmaking incorporated with both cold material and hot metal casting processes. Recommended for concentrations in Entertainment Art/Animation, Ceramics and Crafts; required for Sculpture majors. (9 hours laboratory)

**337 Animal and Wildlife Drawing (3)**

Prerequisites: Art 107A,B, 117 and 317A. Principles and practices of drawing animals, including construction, anatomy, texture, movement and expression. Fundamentals, historical information and critiques are covered in the classroom; field studies are conducted at various zoos and wildlife habitats. (6 hours activity)

**338A Creative Photography (3)**

Prerequisite: Art 103 or its equivalent. Photographic media in personal expression. Historical attitudes and processes; new materials and contemporary aesthetic trends. Field trips required. (9 hours laboratory)

**338B Creative Photography (3)**

Prerequisite: Art 338A. Photographic medium as personal expression. Historical and contemporary aesthetic issues. Exploration of black and white, color and digital media. Field trips required. (9 hours laboratory)

**346 Kinetic Sculpture (3)**

Prerequisite: Art 216A or 216B. Kinetic sculpture is sculpture in motion. Theory and practice of creating sculpture that uses both motorized and nonmotorized means of activation. History of the medium and basic fabrication techniques. (9 hours laboratory)

**347A Printmaking Etching (3)**

Prerequisites: Art 107A,B, 117 and 247. Concept development, exploration and materials involved in printmaking techniques. Includes etching and aquatint. (9 hours laboratory)

**347B Printmaking Lithography (3)**

Prerequisites: Art 107A,B, 117, and 247. Concept development, exploration and materials involved in lithography. (9 hours laboratory)

**348 Artists' Books (3)**

Prerequisites: Art 103, 107A or 247. Personal vision and concepts applied to the book form as art; the history and aesthetics of artists' books. (6 hours activity)

**353A Drawing for Animation (3)**

Prerequisites: Art 117 and 217. Corequisite: Art 317A. Principles and practices of drawing characters, backgrounds and objects for animation. Construction, character design, movement and expression in relation to current studio practice. May be repeated once for credit. (9 hours laboratory)

**353B Animation (3)**

Prerequisite: Art 353A. Advanced principles and practices of construction, character design, cleanup, movement and expression. Taught in relation to current studio practice. May be repeated once for credit. (9 hours laboratory)

**355 3D Computer Animation (3)**

Prerequisite: Art 255. Intermediate and advanced instruction in the art of creating three-dimensional digital character animation. May be repeated once for credit. (9 hours laboratory)

**357 Woodcuts and Monotypes (3)**

Prerequisites: Art 107A,B or equivalents. Woodcut and monotype as a means of personal expression. Traditional, as well as contemporary materials and trends. May be repeated once for credit. (9 hours laboratory)

**363A Illustration (3)**

Prerequisites: Art 103, 107A,B and 117. Story, book, magazine and film illustration. (6 hours activity)

**363B Illustration (3)**

Prerequisite: Art 363A. Computer aided illustration. (6 hours activity)

**363C Advanced Digital Illustration (3)**

Prerequisite: Art 363B. Narrative illustration using advanced digital painting programs and techniques. Theory of illustration concepts, composition and current trends in illustration as it relates to digital media are stressed in this studio course. May be repeated once for credit. (6 hours activity)

**364A Stained Glass (3)**

Prerequisites: Art 103 and 104. Architectural and autonomous stained glass design and craftsmanship. (6 hours activity)

**364B Stained Glass/Kiln Working (3)**

Prerequisite: Art 364A. Flat glass fusing and slumping. Designs are fused together in kilns and slumped over or into molds to create sculptural relief and low vessel forms. (6 hours activity)

**367 Elements of Sequential Art (3)**

Prerequisite: Art 317A. Theory and practice of pictorial narrative in film storyboard and graphic novel. Character and scenic design; story sketch, "breakdown" and production design. Considerations: plot, scene, exposition, transition and continuity. Individual and team projects. May be repeated once for credit. (6 hours activity)

**373 Cartooning and Caricature (3)**

Prerequisites: Art 107A,B, 117. Principles and practices of cartooning and caricature construction, anatomy and expression. Historical overview of the field with an emphasis on professional applications and the impact of computer graphics. (6 hours activity)

**380 Art and Child Development (3)**

Prerequisite: completion of General Education Category III.B.1. Art concepts, materials and processes as they relate to child development. (6 hours activity)

**401 History of Women Artists (3)**

Prerequisite: Art 201B. Study of art made by women in the context of major art historical developments from the 10th century to the present. Analysis of images of women and the evolution of gender stereotypes in art. (3 hours lecture)

**410 The Digital Studio (3)**

Prerequisite: any 300-level art studio class. Digital imaging as a medium of visual expression. Computer applications for creating and manipulating images are fundamental for the contemporary visual artist. May be repeated once for credit. (6 hours laboratory)

**413 History of Contemporary Art (3)**

Prerequisites: Art 312 is recommended. Historical perspective of contemporary art beginning with major developments in Europe and the United States in the 1950s. New materials, new exhibition methods, and in particular, the major conceptual issues raised by individual artists and groups.

**418 Seminar in Creative Photography (3)**

Prerequisite: any 300-level art course. Introduces studio art majors to photographic and media criticism and theory. Provides studio artists with necessary theoretical background and context for creating and understanding their work in current media culture.

**424A,B Glass Blowing (3,3)**

Prerequisites: Art 103, 104, 324. Creating hand-blown glassware and sculpture from molten glass using traditional and contemporary tools and techniques. Each course may be repeated once for credit. (9 hours laboratory)

**431 Renaissance Art (3)**

Prerequisite: Art 201B (art majors) or Art 101 (non-art majors). Painting, sculpture and architecture from the late 13th to 16th century in Italy.

**439 Creative Photo Studio Projects (3)**

Prerequisites: Art 338A,B. Advanced technical class to perfect and refine photographic skills. Integrate technical skills with creative options. May be repeated for credit to a maximum of nine units. (6 hours activity)

**441 Media Exploration for Teaching Art (3)**

Prerequisites: Art 103, 104, 107A,B, 205A. Art media used in secondary school art programs today. Materials for secondary art curriculum. Two- and three-dimensional media in subject matter applications. (6 hours activity)

**448 Special Studies: Artists' Books and Art (3)**

Prerequisites: Art 103, 107A, or 347A or 348. Studio art course for advanced students who want to continue to explore the book form as it relates to their personal aesthetic goals. (6 hours activity)

**453A,B Exhibition Design (3,3)**

Technical and aesthetic experience in problem-solving exhibition design concepts, evaluation and design analysis. Production of exhibitions in the University Art Gallery; their selection, design, installation, lighting and supportive interpretive material. (More than 9 hours laboratory)

**460 Pre-Columbian Art (3)**

Prerequisites: Art 201A,B or consent of instructor. Art and architecture of Meso and South America from the early formative stage to the Spanish Conquest. Aesthetic achievement with varying contexts of pre-Columbian culture.

**461 American Art: 20th Century (3)**

Painting and sculpture in America during the 20th century. Role of the visual arts in helping to define, reflect and challenge American values and institutions.

**462 Latin American Art from 1800 to the 1950s (3)**

Prerequisite: Art 311 or 312. History of painting, sculpture and the graphic arts in Latin America. Changing relationship to European Modernism and major principles of Latin American cultural and political identity as expressed in art.

**463 Native North American Art (3)**

Prerequisite: Art 201A. Art and architecture of the Native Peoples of North America from c. AD 1 to the present. Relation between art and culture.

**464 Museum Conservation (3)**

Prerequisites: Art 453A and 6 units of art history or anthropology. Preservation of objects; the history, role and principles of conservation within a museum context. Three combined sessions at Conservation Center, LACMA; Huntington Library; J. Paul Getty Museum; and Museum of Cultural History, UCLA.

**465 Art of Sub-Saharan Africa (3)**

Prerequisite: Art 201A. Art and architecture of sub-Saharan Africa from c. 300 BC to present. Relation between art and culture.

**466 Museum Education (3)**

Prerequisites: 6 units 300-400 Art History or equivalent. History of museum education, its philosophy and issues. Relationship with other museum departments, outreach programs, new technology. Events organization, writing interpretive materials, budgets and grants, conducting tours. Lectures, field trips and guest speakers.

**470 History and Aesthetics of Photography (3)**

Prerequisites: 201A,B. Photography from ancient optical observations through 19th century invention to 20th century acceptance as an art form. Aesthetic movement and influential innovators. Lectures, slides and class discussion.

**472 Native Arts of California and the Southwest (3)**

Prerequisites: Art 201A and 463. Native arts and architecture of California and the Southwest from c. 500 BC to present. Relation between art and culture.

**475 Professional Practices in the Arts (3)**

Prerequisite: Art major with junior or above standing. Practices unique to the visual arts, including an overview of changing concepts in the art market, traditional roles in cultural context, portfolio development, strategies for protecting ideas and avoiding abuses, and long-term professional development.

**478 Studio Expanded: Other Genre (3)**

Prerequisite: any 400-level studio art course or permission of instructor. Various methods of expanding traditional studio approaches through the investigation of installation, performance and video art. May be repeated for credit to a maximum of 12 units, but no more than 3 units in a single semester. (6 hours activity)

**479 Video: Aesthetics and Techniques (3)**

Prerequisites: 6 units of upper-division studio art courses. Video as a medium of visual expression. All aspects of fine art video: history, aesthetics, camera work, non-linear editing and post-production techniques. May be repeated for credit for a maximum of 12 units. (9 hours laboratory)

**480T Selected Topics in Art History (3)**

Prerequisites: Art 201A or B and consent of instructor. Detailed study of the work of individual artists, patronage in particular places, specific pictorial, sculptural and architectural programs or art history periods. Topics will be listed in the class schedule. Repeatable if topic is different.

**481 Seminar in Art History (3)**

Prerequisites: 6 units upper-division art history or equivalent. Study and evaluation in one area of art history and appreciation. May be repeated once for credit.

**483A Special Studies in Graphic Design (3)**

Prerequisites: Art 323A and 323B or equivalents. Art 483E is recommended before taking Art 483A. Advanced use of computer graphics. Maximum of 12 units, but no more than 3 units in a single semester without permission of instructors. (6 hours activity)

**483B Pictorial Background (3)**

Prerequisites: Art 363A plus 3 upper-division units in area emphasis or equivalent. Team collaboration and individual development through exploration of story concepts, research, design and media for rendering and painting background environments. Historical precedents, color theory, perspective, theatrical composition, painting and drawing media, and stylization for dramatic impact. Maximum of 12 units, but no more than 3 units in any one area in a single semester without permission of instructors. (6 hours activity)

**483C Special Studies in Illustration (3)**

Prerequisites: a minimum of six upper-division units in area of emphasis or equivalent. Maximum of 12 units, but no more than 3 units in any one area in a single semester without permission of instructors. (6 hours activity)

**483D Special Studies in Exhibition Design (3)**

Prerequisites: a minimum of six upper-division units in area of emphasis or equivalent. Maximum of 12 units, but no more than 3 units in any one area in a single semester without permission of instructors. (More than 9 hours laboratory)

**483E Computer Assisted Graphics (3)**

Prerequisites: Art 323A or Art 363A and consent of instructor. Theory and practice of design using the computer. Numerous applications of the computer through lecture demonstration, studio/laboratory experience, guest speakers and field trips. Maximum of 12 units, but no more than 3 units in a single semester without permission of instructors. (9 hours laboratory)

**483F Design for Interactive Art (3)**

Prerequisites: Art 323A, 323B, 483E or equivalents. Creation of interactive art and design projects. Concentration in the advanced visual organization systems of art and design and how to apply those techniques to an interactive computer environment. May be repeated once for credit. (9 hours laboratory)

**483G Entertainment Graphics (3)**

Prerequisites: Art 323A, 323B, and 483E. Structure, procedure and standards of the entertainment design field. Students will work on projects from a major entertainment design group, developing concepts and designs for comparison with professional solutions. May be repeated once for credit. (6 hours laboratory)

**483H Plein-air Painting and Location Drawing (3)**

Prerequisites: Art 363A and/or 307A. Theory and practice of representational art as applied to landscape as subject. Research of drawing and painting concepts and their historical precedents stressed in the studio and on location. May be repeated once for credit. (6 hours activity)

**483I Motion Graphics Design (3)**

Prerequisites: Art 483E (including completion of all 483E prerequisites) and instructor's consent; knowledge of film production/editing helpful. Translation of traditional graphic design into time and motion-based design. Historical precedents, film nomenclature, storyboarding, software/hardware for the creation of film titles, station/program identification (logo/logotypes), promotion graphics. May be repeated once for credit. (9 hours laboratory)

**484 Special Studies in Ceramics and Glass (3)**

Prerequisites: a minimum of six upper-division units in ceramics. Maximum of 12 units in each area, but no more than three units in any one area in a single semester without permission of instructors. (9 hours laboratory)

**484A Ceramics (3)****484B Glass Blowing (3)****484C Glass Casting (3)****485 Special Studies in Crafts (3)**

Prerequisites: a minimum of six upper-division units in designated area or consent of instructor. Maximum of 12 units in each area, but no more than three units in any one area in a single semester. (9 hours laboratory)

**485A Jewelry (3)****485B General Crafts (3)****485C Metalsmithing (3)****485F Papermaking (3)****486 Special Studies in Sculpture (3)**

Prerequisites: Art 316A,B and consent of instructor. Maximum of 12 units, but no more than 3 units in a single semester. (9 hours laboratory)

**486A Modeling and Fabrication (3)****486B Casting (3)****487 Special Studies in Drawing and Painting and Printmaking (3)**

Prerequisites: a minimum of six upper-division units in drawing and painting. Maximum of 12 units in each area, but no more than three units in any one area in a single semester without permission of instructors.

**487A Special Studies in Painting (3)****487B Life Studies, Drawing and/or Painting (3)****487C Special Studies in Drawing (3)****487D Special Studies in Printmaking (3)****487E Special Studies in Entertainment Art/Animation (3)**

Prerequisites: twelve units of upper-division courses, including Art 353B from the entertainment art/animation concentration. Planning, development and evaluation of individual projects. Maximum of 12 units, but no more than three units in any one area in a single semester without permission of instructors. (9 hours laboratory)

**487S Special Studies in Sequential Art (3)**

Prerequisite: Art 367. Individual investigation and development of a specialized portfolio in one or more of the following: character design; story sketch and/or production design; storyboard; or graphic novel. Maximum of 12 units, but no more than three units in any one area in a single semester without permission of instructors. (6 hours activity)

**488T Selected Topics in Creative Photography (3)**

Prerequisite: Art 338A. Photography and other optical image-making practices in relation to specific conceptual or technical topics. Each semester's content is developed by the individual instructor and listed in the class schedule. May be repeated twice for credit. (6 hours activity)

**489 Special Studies in Creative Photography (3)**

Prerequisites: a minimum of six upper-division units in photography courses or equivalent. Photography as personal expression. Maximum of 12 units, but no more than three units in a single semester. (9 hours laboratory)

**495 Internship in Art (3)**

Prerequisite: senior standing as a declared B.F.A. in Art major. Work in a specific art field in business or industry.

**499 Independent Research (1-3)**

Open to advanced students in art with consent of department chair and written consent of instructor. May be repeated for credit to a maximum of nine units, but no more than six units in a single semester.

**500A Graduate Seminar in Major Field (3)**

Prerequisite: Classified Standing. Directed research in the area of major emphasis. Oral and written material on historical backgrounds and developments in art as they relate to individual intent as an artist and in support of the master's project (with 500B meets graduate-level writing requirement).

**500B Graduate Seminar in Major Field (3)**

Prerequisite: Classified standing and 500A recommended. Problems and issues in art. Intellectual clarification and verbal articulation of individual intent as an artist. Oral and written material in support of the master's project (with 500A meets graduate-level writing requirement).

**501 Curatorship (3)**

Prerequisites: B.A. in art, anthropology or other major by special permission, and Art 466 and 481. Curator collects, cares for and studies objects.

**503 Graduate Problems in Design Course Series (3)**

Prerequisite: Classified Standing. Planning, development and evaluation of individual projects listed below. Maximum of 12 units in each area, but no more than three units in any one area in a single semester without permission of instructors.

**503A Graphic Design (3)**

(6 hours activity)

**503C Illustration (3)**

(6 hours activity)

**503D Exhibition Design (3)**

(More than 9 hours laboratory)

**504 Graduate Problems in Ceramics Course Series (3)**

Prerequisite: Classified Standing. Planning, development and evaluation of individual projects in ceramics, glass blowing and glass casting. Maximum of 12 units in each area but no more than three units in a single semester without permission of instructors. (9 hours laboratory)

**504A Ceramics (3)****504B Glass Blowing (3)****504C Glass Casting (3)****505 Graduate Problems in Crafts (3)**

Prerequisite: Classified Standing. Planning, development and evaluation of individual projects listed below. Maximum of 12 units in each area, but no more than three units in a single semester. (9 hours laboratory)

**505A Jewelry (3)****505B General Crafts (3)****506A,B Graduate Problems in Sculpture (3,3)**

Prerequisite: Classified Standing. Planning, development and evaluation of individual projects in sculpture. Maximum of 12 units in each area but no more than three units in a single semester without permission of instructors. (9 hours laboratory).

**507 Graduate Problems in Drawing, Painting and Printmaking (3)**

Prerequisite: 12 units of upper-division drawing and painting. Planning, development and evaluation of individual projects listed below. Maximum of 12 units in each area, but no more than three units in a single semester without permission of instructors.

**507A Painting (3)**

(6 hours activity)

**507B Life Drawing (3)**

(9 hours laboratory)

**507C Drawing (3)**

(6 hours activity)

**507D Printmaking (3)**

(9 hours laboratory)

**508A,B Graduate Problems in Creative Photography (3,3)**

Prerequisite: consent of instructor. Planning, development and evaluation of individual projects in photography. Maximum of 12 units in each area, but no more than three units in a single semester without permission of instructors. (9 hours laboratory)

**510 Graduate Problems: The Digital Studio (3)**

Prerequisite: any 400-level studio art class. Technical proficiency and conceptual understanding of digital imaging techniques and applications. Students develop their own projects integrating computer technology with their personal vision and practice. May be repeated once for credit. (6 hours activity)

**511 Seminar on the Content and Method of Art History (3)**

Prerequisite: Art 481. Methods of research, analysis and theories of art historical scholarship. May be repeated once for credit.

**512 Seminar on Selected Topics in Art History (3)**

Prerequisites: appropriate upper-division art course approved by instructor, and Art 511. Analysis and evaluation of specific works and their historical significance, including cultural, social and economic circumstances. May be repeated up to a maximum of 6 units.

**518 Graduate Seminar in Creative Photography (3)**

Prerequisite: any 400-level art course. Expands and deepens knowledge of photographic and media criticism and theory. Explore advanced theoretical topics and apply the tools of criticism to better understand their own creative process and artwork.

**548 Graduate Problems in Artists' Books (3)**

Prerequisite: Art 448. Investigation and application of principles of the book form to visual art and design, illustration, photography and printmaking media. Development of original works of art, which demonstrate competency in design, construction and fabrication of graduate quality visual books. May be repeated for a maximum of 12 units. (6 hours activity)

**578 Graduate Studio Expanded: Other Genre (3)**

Prerequisite: any 400-level studio art course. All aspects of new genre work, including conceptual, historic and theoretical approaches. Studio disciplines that will be investigated are installation, performance art, video and public art. May be repeated twice for credit.

**579 Graduate Problems: Aesthetics and Advanced Techniques of Video (3)**

Production of video as a medium of visual expression. All aspects of fine art video; history aesthetics, camerawork, non-linear and assemble editing, post production techniques video installations and the role of video as a medium of contemporary fine art production. May be repeated for credit for a maximum of 12 units. (9 hours laboratory)

**580T Selected Topics in Art History (3)**

Prerequisite: one 400-level course in art history and current graduate level standing. Specific concepts and/or periods in art history. Specific topics will vary from semester to semester and will be posted in the class schedule. May be repeated twice if topic is different.

**588T Graduate Topics in Creative Photography (3)**

Prerequisite: any 400-level studio course. Photography and other optical imagemaking practices in relation to specific conceptual or technical topics. Students develop their own research and projects in relation to each semester's specific topic and content.

**597 Project (3 or 6)**

Prerequisite: Art 500A,B, written consent of instructor and recommendation of the student's graduate committee. Art 500B may be taken concurrently with Art 597 on approval of instructor. Development and presentation of a creative project in the concentration beyond regularly offered coursework.

**598 Thesis (3 or 6)**

Prerequisites: Art 511, 512, written consent of instructor and recommendation of the student's graduate committee.

**599 Independent Graduate Research (1-3)**

Open to graduate students in art with consent of department chair and written consent of instructor. May be repeated for credit.

**ART EDUCATION COURSES**

Art Education courses are designated as ARTE in the class schedule.

**442 Teaching Art in Secondary School (3)**

Prerequisite: admission to teacher education. Objectives, methods and practices for teaching art in secondary schools. Required before student teaching of majors in art for the Single Subject Teaching Credential.

**449E Externship in Secondary Teaching (3)**

See description and prerequisites under Division of Teacher Education. Offered every fall semester.

**449I Internship in Secondary Teaching (10)**

See description and prerequisites under Division of Teacher Education. Concurrent enrollment in Art Education 449S required. Offered every spring semester.

**449S Seminar in Secondary Teaching (3)**

Taken concurrently with Art Ed 449I. Seminar in teaching a single subject in secondary schools. Videotape analysis of teaching based on Teaching Performance Assessments. Taken Credit/No Credit. A "B" (3.0) or better is required to receive a grade of credit.



# Asian American Studies

College of Humanities and Social Sciences

## PROGRAM COUNCIL

The program council consists of faculty and non-faculty from on and off-campus groups who provide direction and support for the Asian American Studies Program: Leah Brew (Counseling), Jeffrey Brody (Communications), Juana Chen (Asian American Studies), Thomas Fujita-Rony (Asian American Studies), Art Hansen (History), Craig K. Ihara (Philosophy), Richard Jong (Asian American Studies), Mikyong Kim-Goh (Human Services), Trent Nguyen (Human Services), Tu-Uyen Nguyen (Asian American Studies), Eliza Noh (Asian American Studies), Michael Perez (Sociology), Eric Reyes (Asian American Studies), Sherri Sawicki (English), Yichen Shen (English), Susan Shoho (Gerontology), Sora Tanjasiri (Kinesiology), Jie Tian (Library), Howard Wang (Student Affairs), Jennifer Yee (Asian American Studies)

## INTRODUCTION

The minor and the option in Asian American Studies are designed for students who have an interest in learning about the experiences, expression and social conditions of Americans of Asian and Pacific Islander ancestry, including those whose origins trace back to central, south and southeast, as well as east Asia and the Pacific Islands. Cross-disciplinary in nature, Asian American Studies draws on a wide variety of courses offered throughout the university that relate to Asian American history, art, literature, politics, socio-economics, psychology and relations to other ethnic and sociopolitical groups. In addition, the Asian American Studies Program currently offers 21 of its own courses.

The goals of both the option and minor are to encourage more students to do work in the area and to prepare students in selected career paths where sensitivity to and knowledge of Asian American and Pacific Islander issues, history and artistic expression are important. These include careers in counseling, human services, nursing, public administration, law and the health professions; teaching careers in history, English, political science, psychology, sociology, as well as elementary and secondary school education.

Two features of the Asian American Studies program are of special note. First, there is a conscious effort to inform and sensitize students to other ethnic groups and to their interrelationships and commonalities. Second, there is a definitive emphasis on contributing to Asian American communities and, thereby, the larger society. The requirement in experiential and community-based learning is one example of our effort to combine learning with service.

The option in Asian American Studies may be effectively combined with subject matter studies necessary for either the multiple subject teaching credential (K-8) or single subject credential (7-12) in Social Studies. Undergraduates are encouraged to work with the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, the major and electives. With careful planning, it may be possible to enter the credential program in the senior year of the bachelor's degree. Postgraduate students should contact the

## PROGRAM COORDINATOR

Thomas Y. Fujita-Rony

## PROGRAM OFFICE

Humanities 314

## DEPARTMENT WEBSITE

<http://hss.fullerton.edu/asian-american>

## PROGRAMS OFFERED

Minor in Asian American Studies  
Bachelor of Arts in Ethnic Studies  
Option in Asian American Studies

## INSTRUCTIONAL FACULTY

Jeffrey Brody (Communications),  
Thomas Fujita-Rony (Asian American Studies), Art Hansen (History),  
Richard Jong (Asian American Studies),  
Mikyong Kim-Goh (Human Services),  
Tu-Uyen Nguyen (Asian American Studies),  
Eliza Noh (Asian American Studies),  
Michael Perez (Sociology),  
Eric Reyes (Asian American Studies),  
Yichin Shen (English and Comparative Literature),  
Jennifer Yee (Asian American Studies)

## ADVISER

Eliza Noh, Humanities 312E  
Eric Reyes, Humanities 312H

Admission to Teacher Education office (657-278-3352) to obtain information on attending an overview presentation.

### **BACHELOR OF ARTS IN ETHNIC STUDIES OPTION IN ASIAN AMERICAN STUDIES**

The B.A. in Ethnic Studies (Asian American Studies) requires a minimum of 120 units, which include courses for the option, General Education, all university requirements, and free electives.

The Option in Asian American Studies requires 36 units of coursework in Asian American Studies. If a student chooses the B.A. in Ethnic Studies (Asian American Studies) as a second major, up to nine units can double-count in general education.

Other Asian American Studies requirements can be double-counted in a student's primary major.

#### **Core Courses (12 units)**

Asian American 101 Introduction to Ethnic Studies  
Asian American 201 History of Asian Pacific Americans  
Asian American 300 Introduction to Asian Pacific American Studies  
Asian American 307 Research and Writing in Ethnic Studies

#### **Topical Requirements (12 units)**

In consultation with an adviser, students may focus their studies on Asian American Ethnic Groups; topics in Asian American Studies such as literature, art, communication, families, psychology, or law, etc.; or Non-Asian Ethnic Groups and Inter-ethnic Relations in the U.S.

##### *Specific Asian American Ethnic Groups (6 units)*

Asian American 220 Vietnamese Communities in the U.S. (3)  
Asian American 360 Mixed Heritage Asian Americans (3)  
Asian American 362A The Filipina/o American Experience (3)  
Asian American 364 The South Asian American Experience (3)  
Asian American 366 The Korean American Experience (3)  
Asian American 370 The Chinese American Experience (3)  
History/Asian American 382 World War II  
Japanese American Evacuation (3)

An additional six units must be selected from the two categories listed below.

##### *1. Topics in Asian American Studies*

Asian American 308 Asian American Women (3)  
Asian American 320 Asian American Creative Expression (3)  
Asian American 322 Asian Pacific Americans and Religion (3)  
Asian American 325 Asian American Film and Video (3)  
Asian American 327 Asian American Literature (3)  
Asian American 340 Asian American Communication (3)  
Asian American 342 Asian Pacific American Families (3)  
Asian American 344 Asian Pacific American Identities (3)  
Asian American 346 Asian American Psychology (3)

Human Services 318 Human Services for Immigrants and Refugees (3)  
Communication 438T Specialized Reporting  
(Reporting in Minority Affairs) (3)

##### *2. Non-Asian Ethnic Groups and Inter-ethnic Relations in the U.S.*

Afro-Ethnic 310 Black Women in America (3)  
Afro-Ethnic 311 Intracultural Socialization (3)  
Afro-Ethnic 320 Black Political Thought (3)  
Afro-Ethnic 322 Psychology of African Americans (3)  
Afro-Ethnic 335 History of Racism (3)  
American Studies 301 The American Character (3)  
American Studies 377 Prejudice and American Culture (3)  
Chicana/o 220 Mexican Heritage (3)  
Chicana/o 303 Cultural Differences in Mexico and the Southwest (3)  
Chicana/o 337 Contemporary Chicano Literature (3)  
Chicana/o 340 Mexican/Chicano Intellectual Thought (3)  
Chicana/o 345 History of the Chicano (3)  
History 190 Survey of American History with  
Emphasis on Ethnic Minorities (3)  
Sociology 357 Minority Group Relations (3)  
Women's Studies 302 Intro to Intercultural Women's Studies (3)

#### **Asian Language or Asian Cultures and Social Institutions (6 units)**

##### *Asian Languages*

Language courses include, but are not limited to the following:

Chinese 100 Introduction to Chinese Conversation (3)  
Chinese 101 Fundamental Chinese A (5)  
Chinese 102 Fundamental Chinese B (5)  
Japanese 101 Fundamental Japanese A (5)  
Japanese 102 Fundamental Japanese B (5)  
Vietnamese 201 Vietnamese for Vietnamese Speakers (3)  
Vietnamese 202 Vietnamese for Vietnamese Speakers (3)  
Any 200 or higher level course in Chinese or Japanese

##### *Asian Cultures and Institutions*

Topics include, but are not limited to the following:

Anthropology 347 Peoples of the Pacific (3)  
Comparative Literature 380 Introduction to Asian Literature (3)  
Comparative Literature 382T Topics in Asian Literature (3)  
Geography 340 Asia (3)  
History 463C Themes in Korean History (3)  
History 464B History of Southeast Asia, 1800-present (3)  
History 465A,B History of India (3)  
Philosophy 350 Asian Philosophy (3)  
Philosophy 352 Philosophy of Asian Martial Arts (3)

- Political Science 434 China and Japan: Friends or Foes? (3)  
 Comparative Religion 270T Introduction to Asian Religions (3)  
 Comparative Religion 354T Topics in Buddhism (3)  
 Human Comm 492T Proseminar in Human Communication (3)  
 (when topic covers intercultural communication)

*Community Research Requirement (6 units)*

All ASAM majors must complete ASAM 495, Internship in Asian American Studies. An additional course must be completed; students may choose either another internship course or one of the two courses below.

1. Asian American 495 Internship in Asian American Studies. This course combines work in a community organization with regular class meetings and written assignments. This can include the analysis of community-based organizations along ethnic, class, and/or gender lines; or interns of Asian American literature or art; or in terms of power politics, historical developments, or in minority group psychology.
2. Asian American 499 Independent Study. This course involves completing a senior project requiring community research. Students are required to display knowledge, understanding, and application of research, methods and culturally-relevant skills to solve real world problems in an Asian Pacific American community setting.
3. Oral history fieldwork. This course provides students with experience in an Asian Pacific American community agency or organization.

**MINOR IN ASIAN AMERICAN STUDIES**

The minor consists of 21-23 required units distributed among categories listed below, with at least six upper-division units.

**Core Courses (6 units)**

- Asian American 201 History of Asian Pacific Americans (3)  
 Asian American 300 Introduction to Asian Pacific American Studies (3)

**Comparative Cultures Breadth Requirement (3 units)**

A course on a different minority group in America should be selected from an approved listing in consultation with the program coordinator or a faculty adviser. Courses include, but are not limited to the following: Afro 304, 310, 311, 317, 320, 322, 335; American Studies 301, 377; Chicano 220, 303, 305, 331, 332, 337, 340, 450; Comparative Religion 305; History 190; Sociology 133, 357; Women's Studies 302.

**Topical Requirements (6 units)**

Select two three-unit courses in Asian Pacific American Studies, chosen in consultation with a faculty adviser. Topics include, but are not limited to the following courses: Asian American 220, 308, 320, 327, 340, 342, 344, 346, 360 362A, 364, 366, 370; History 382; Human Services 318; Communications 438T.

**Asian Language or Asian Cultures and Social Institutions Requirement (3-5 units)**

One course in an Asian language (3-5 units), or one three-unit course on Asian cultures or Asian social institutions, chosen in consultation with the undergraduate adviser.

Approved courses include, but are not limited to the following:

*Asian Languages*

- Chinese 100 Introduction to Chinese Conversation (3)  
 Chinese 101 Fundamental Chinese A (5)  
 Chinese 102 Fundamental Chinese B (5)  
 Japanese 101 Fundamental Japanese A (5)  
 Japanese 102 Fundamental Japanese B (5)  
 Korean 101 Fundamental Korean-A (5)  
 Korean 102 Fundamental Korean-B (5)  
 Korean 203 Intermediate Korean-A (3)  
 Vietnamese 201 Vietnamese for Vietnamese Speakers (3)  
 Vietnamese 202 Vietnamese for Vietnamese Speakers (3)  
 Any 200 or higher level course in Chinese or Japanese

*Asian Cultures and Social Institutions*

Anthro 347; Comp Lit 382T; Comparative Religion 280, 354T; Geography 340; History 460, 463C, 464B, 465A; Philosophy 350, 352, 354T; Poli Sci 434; Human Comm 492C.

**Community Research Requirement (3 units)**

Students choose one of the following:

1. Asian American 499 Independent Study. This course involves completing a senior project requiring community research. Students are required to display knowledge, understanding and application of research, methods and culturally-relevant skills to solve real world problems in an Asian Pacific American community setting.
2. Oral history fieldwork. This course provides students with a service learning experience in an Asian Pacific American community agency or organization. Please check the department for information on the course number, title and scheduled offerings.
3. Asian American 495 Internship in Asian American Studies. This course combines work in a community organization with regular class meetings and written assignments. This can include the analysis of community based organizations along ethnic, class, and/or gender lines; or interns of Asian American literature or art; or in terms of power politics, historical developments, or in minority group psychology. Please consult the department for information on the course number, title, and scheduled offerings.

## ASIAN AMERICAN STUDIES COURSES

Courses are designated as ASAM in the class schedule.

### 101 Introduction to Ethnic Studies (3)

(Same as Afro-Ethnic Studies/Chicana(o) Studies/Women's Studies 101)

### 190 Survey of American History with Emphasis on Ethnic Minorities (3)

(Same as History/Afro-Ethnic Studies/Chicana(o) Studies 190)

### 201 History of Asian Americans (3)

(Same as History 201)

### 220 Vietnamese Communities in the U.S. (3)

Prerequisite: completion of General Education (G. E.) Category III.C.1. Historical and cultural overview of Vietnamese communities in the U.S., especially Orange County. The vital role of voluntary agencies, mutual assistance associations and religious centers. Examines Vietnamese business, entertainment, family, education and hobbies.

### 300 Introduction to Asian Pacific American Studies (3)

Prerequisite: completion of G. E. Category III.C.1. Interdisciplinary exploration of the experiences of several Asian American groups. Addresses questions of cultural assimilation and cultural persistence, family and gender roles, and literary and popular culture representations.

### 307 Research and Writing in Ethnic Studies (formerly 400) (3)

Prerequisite: English 101 or equivalent. Introduction to research and writing in ethnic studies. Issues of research in ethnic studies (e.g., quantitative v. qualitative analysis, reliability/validity) and specific methods of research (e.g., archives, interviews, oral history). Extensive writing. A grade of "C" (2.0) or better is required to satisfy the upper-division writing requirement. (Same as Afro-Ethnic 307 and Chicana/o 307).

### 308 Asian American Women (3)

Prerequisite: junior or senior standing. Interdisciplinary examination of Asian and Pacific Islander American women's experience. Compares and contrasts the experience of women from various parts of Asia and explores the social, cultural and political issues they face in the U.S. and abroad. One or more sections offered online. (Same as Women's Studies 308)

### 320 Asian American Creative Expression (3)

Prerequisite: completion of G. E. Categories III.B.1 and 2. Asian American life as portrayed through novels, short stories, plays, poetry, film, music, painting, dance and other expressive forms. Examines historical and contemporary works by a variety of Asian and Pacific Americans. One or more sections offered online.

### 322 Asian Pacific Americans and Religion (3)

Prerequisite: completion of G. E. Category III.B.2. Historically, religion plays a significant role for immigrants. Explores religion as a cultural dynamic in the incorporation and persistence of Asian Pacific Americans into American society, especially in Orange County and the greater Los Angeles area. (Same as Comp Religion 322)

### 325 Asian American Film and Video (3)

Prerequisite: completion of G. E. Categories III.B.1 and III.B.2. Introduction to major themes in Asian American film and video history and criticism. Asian American aesthetics, history and politics in areas of film and video direction, production, writing and acting. One or more sections offered online.



### 327 Asian American Literature (3)

Prerequisite: completion of G. E. Category III.B.2. Introduces early literary expressions of the Asian American experience. Readings include poetry, short stories, novels and autobiographies. Fundamental understanding of Asian American literary history and awareness of the cultural diversity in America. (Same as English 327)

### 340 Asian American Communication (3)

Prerequisites: junior or senior standing and completion of G. E. Category III.C.1. Introduction to Asian American communication. Influences of Asian American cultural heritage, ethnic identity, generation and language fluency on communication. Similarities and differences in communication among the various Asian American ethnic groups. (Same as Human Comm 340)

### 342 Asian Pacific American Families (3)

Prerequisite: completion of G. E. Category III.C.1. Asian Pacific American families have ranged from the seemingly solitary "bachelor" to the extended "clan." Explores these, and many other ways of being a "family," as it has been a basic part of Asian Pacific American history and culture.

**344 Asian Pacific American Identities (3)**

Prerequisite: completion of G. E. Category III.C.1. Interdisciplinary explorations of the ways in which those of Pacific Islander, Southeast, South and East Asian descent have met the challenge of being American at the personal level. Social construction of racial/ethnic identities, cultural conflict, self-determination and personal growth.

**346 Asian American Psychology (3)**

In-depth analysis of major issues in the Asian American community from a psychosocial perspective, including ethnic identity development, generational conflicts, the “model minority” myth, interracial relationships, attitudes toward mental health services and alternative healing/therapeutic approaches. (Same as Psychology 346)

**360 Mixed Heritage Asian Americans (3)**

Prerequisite: completion of the G. E. Category III.C.1. Overview of the mixed heritage Asian American population in the USA. Surveys the historical avenues that led to the United States and to inter-ethnic alliances. The many challenges this multi-ethnic population faces.

**362A Filipina/o American Experience (3)**

Prerequisite: completion of G. E. Category III.C.1. Introduction to Filipina/o American Studies, covering point of origin, immigration, legal barriers, economic struggles, civil rights and other current issues up to 1965.

**364 The South Asian American Experience (3)**

Interdisciplinary course that explores the experience of South Asian Americans originally from India, Pakistan, Bangladesh or Sri Lanka. Focuses on questions regarding influence of American culture on South Asian American identity, intergenerational concerns and cultural continuity among others.

**366 The Korean American Experience (3)**

Prerequisite: completion of the G. E. Category III.C.1. Historical events and contemporary issues such as Korean American immigration, Korean identity, inter-ethnic relations, gender issues and Korean American Entrepreneurship within the context of social, political and economic conditions of Korea and the United States.

**370 The Chinese American Experience (3)**

Prerequisite: completion of the G. E. Category III.C.1. Introduction to the experiences of Chinese in the United States. Historical events and contemporary issues, including Chinese immigration, exclusion, Chinese American identity, racial violence and gender.

**382 World War II Japanese American Evacuation (3)**

(Same as History 382)

**389 Literature About the War in Vietnam (3)**

(Same as English/Comp Lit 389)

**495 Internship in Asian American Studies (3)**

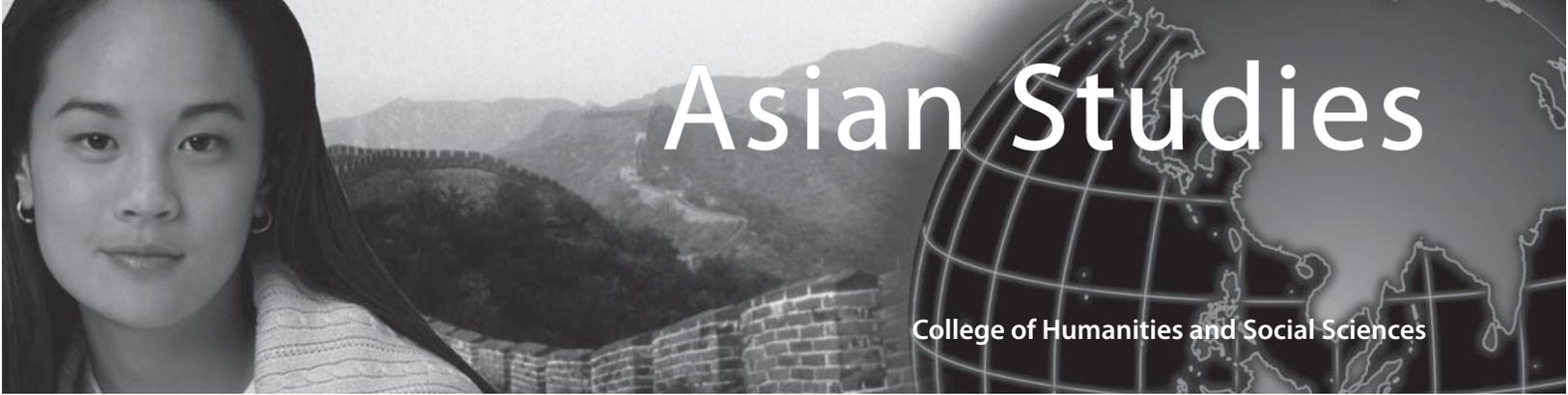
One hundred twenty (120) hours practical experience in some organization serving the Asian Pacific American community. Regular meetings with faculty advisor. May be repeated once for credit.

**496 Student-to-Student Tutorials (1-3)**

Consult “Student-to-Student Tutorials” in this catalog for a more complete course description.

**499 Independent Study (1-3)**

Supervised research and/or service learning projects in Asian American Studies to be taken with consent of instructor and program coordinator. May be repeated for credit.



# Asian Studies

College of Humanities and Social Sciences

## INTRODUCTION

Asia, more than any other region in the world, has become the focus of extensive international business, political relationships and cultural exchange. Millions of people of Asian descent have become an integral part of American society. Indeed, California, more than any other place in the United States, is the residence of immigrants from throughout Asia. In order to keep pace with current developments in this extremely important part of the world, students are encouraged to take advantage of the opportunity to minor in Asian Studies.

The faculty for the Asian Studies Minor is drawn from several departments. What they have in common is that they teach and conduct research on Asia. The interdisciplinary nature of the Minor allows students the unique opportunity to learn about Asia from broad and differing perspectives.

## MINOR IN ASIAN STUDIES

The minor consists of 21 units: 6 units chosen from the listed core courses and 15 units of electives chosen in consultation with an adviser as outlined below.

### Core Courses (6 units)

Anthro 340 Peoples of Asia (3)  
OR Anthro 347 Peoples of the Pacific (3)  
Geography 340 Asia (3)

### Electives (15 units)

One course each from three of the following four categories, plus 6 units of adviser-approved electives:

#### *Language, Culture, Geography and Human Behavior*

Anthro 340 Peoples of Asia (3)\*  
Anthro 347 Peoples of the Pacific (3)\*  
Any Japanese Language Course  
Any Chinese Language Course  
Any Vietnamese Language Course  
Geography 330 California Landscapes (3)  
Geography 340 Asia (3)  
Kinesiology 151 Aikido (1)  
Kinesiology 152 Karate (1)  
Human Comm 320 Intercultural Communication (3)

\*One of these is applicable as an elective if not chosen as a core course.

### PROGRAM COORDINATOR

William W. Haddad (History)

### PROGRAM OFFICE

Humanities 815F

### PROGRAM OFFERED

Minor in Asian Studies

### PROGRAM COUNCIL

K. Chu (Economics), Irene Lange (Marketing), Preston Stedman (Music), Barbara Weightman (Geography) and Heping Zhao (English).

### *History and Politics*

- History 360 Modern Asia: Nationalism and Revolutionary Change (3)
- History 460 The Chinese Diaspora
- History 461 Modern Vietnam (3)
- History 462A History of China (3)
- History 462B History of China (3)
- History 462C China Since 1949 (3)
- History 463A History of Japan (3)
- History 463B History of Japan (3)
- History 463C Themes in Korean History (3)
- History 464A History of Southeast Asia to 1800 (3)
- History 464B History of Contemporary Southeast Asia, 1800-present (3)
- History 465A History of India (3)
- History 465B History of India (3)
- History 490T Senior Research Seminar (3)  
(Where course topic focuses on area of Asia).
- Poli Sci 434 The Asia-Pacific in World Affairs (3)
- Poli Sci 451T Problems in International Politics (3)
- Poli Sci 457 Politics of International Economics (3)
- Poli Sci 476 International Law (3)

### *Arts and Humanities*

(including Art, Literature, Philosophy and Comparative Religion)

- Comp Lit 380 Introduction to Asian Literature (3)
- Comp Lit 382T Topics in Asian Literature (3)
- Philosophy 350 Asian Philosophy (3)
- Philosophy 352 Philosophy of Asian Martial Arts (3)
- Comparative Religion 270T Introduction to the Asian Religions (3)

### *International Business and Economics*

- Economics 332 Economies of the Pacific Rim (3)
- Economics 333 Economic Development: Analysis and Case Studies (3)
- Economics 335 The International Economy (3)
- Economics 411 International Trade (3)
- Finance 370 International Business Finance (3)
- Marketing 445 Multinational Marketing Strategies (3)

# Biological Science

College of Natural Sciences and Mathematics

## DEPARTMENT CHAIR

Robert Koch

## DEPARTMENT GRADUATE PROGRAM ADVISERS

Michael Horn, H. Jochen Schenk,  
Paul Stapp

## DEPARTMENT OFFICE

McCarthy Hall 282

## DEPARTMENT WEBSITE

<http://biology.fullerton.edu>

## PROGRAMS OFFERED

Bachelor of Science in Biological  
Science with Concentrations in:  
Biodiversity, Ecology and  
Conservation Biology  
Cell and Developmental Biology  
Marine Biology  
Molecular Biology and Biotechnology  
Minor in Biotechnology  
Master of Science in Biology  
Subject Matter Preparation Program for  
Single Subject Teaching Credential

## FACULTY

Sandra Banack, Jennifer Burnaford,  
Merri Lynn Casem, Esther Chen, Amy-  
beth Cohen, Math Cuajungco, Kathryn  
Dickson, David Drath, Doug Eernisse,  
William Hoese, Michael Horn, Anne  
Houtman, Hope Johnson, C. Eugene  
Jones, Robert Koch, Alison Miyamoto,  
Steven Murray, Nikolas Nikolaidis,  
Nilay Patel, William Presch, Melanie  
Sacco, Darren Sandquist, H. Jochen  
Schenk, Paul Stapp, Marcelo Tolmasky,  
Sean Walker, Danielle Zacherl

## INTRODUCTION

Biology is the branch of science concerned with the study of life. The discipline is dynamic, diverse and expanding with the integration of new molecular approaches, information technology and concerns for the environment. Through the study of biology students will: learn principles that govern the function of their own body and those of other organisms; explore how complex organisms develop from a single cell and how genes and the environment govern these events; and learn how plants capture the energy from the sun and, ultimately, sustain almost all life on Earth through intricate relationships with other organisms, including humans. In addition, in Southern California, proximity to a variety of employers ranging from biotechnology and biomedical companies, to environmental consulting firms provides biology majors with diverse employment opportunities.

The department has designed a curriculum that builds on a core of biology and supporting courses for students who: (1) seek careers in industry and state or federal agencies, (2) wish to prepare for secondary school teaching, or (3) desire to enter graduate and professional schools. The curriculum beyond the basic core experience will be developed through individual advising. Students will be assigned a faculty adviser when they enter the university or they may choose a faculty member to serve as their adviser. Each semester, students are required to meet with their designated adviser in order to develop an appropriate program of study. After discussion with their adviser, students will elect upper-division courses in one of four concentrations that will satisfy their individual interests and professional goals.

## Special Programs

In addition to the usual course offerings, the Department of Biological Science participates in the Center for Applied Biotechnology Studies and four consortial programs with other California State University campuses. These are: CSUPERB (California State University Program for Education and Research in Biotechnology); the CSU Council on Ocean Affairs, Science & Technology (COAST); the Ocean Studies Institute (through the Southern California Marine Institute); and the California Desert Studies Consortium at Soda Springs. Each of these centers is described in this catalog under "Research Centers."

## Pre-professional Information

The Health Professions Advising Office provides advising services to students wishing to enter the health professions. The services include counseling students to plan their academic programs, providing students with information about volunteer opportunities in the area of their interest, and providing assistance in the preparation of applications, including interviewing techniques.

## Teaching Credential Information

The Bachelor's Degree in Biology may be effectively combined with subject matter studies necessary for the Single Subject Teaching Credential in science. Science teachers

are in great demand, and candidates may qualify for scholarships and paid teaching internships while completing their credential. Undergraduates are encouraged to contact the Center for Careers in Teaching (657-278-7130, [www.fullerton.edu/cct](http://www.fullerton.edu/cct)) and the Science Education Programs Office (657-278-2307, <http://nsm.fullerton.edu/scied/>) for early advisement and to plan efficient course selections for general education, the major and credential program coursework. Postbaccalaureate and graduate students should contact the Science Education Programs Office (657-278-2307, <http://nsm.fullerton.edu/scied/>). Additional information is found under Science Education Programs in the University Catalog, as well as at <http://mast.wikispaces.com>.

### **Recommendations for Transfer Students**

Students planning to transfer from another college or university should take biology, chemistry, mathematics and/or physics courses that are equivalent to those required for the B.S. in Biological Science (refer to [www.assist.org](http://www.assist.org)). Prospective transfer students should contact the Biology Department as soon as possible prior to transfer to select appropriate courses.

### **Recommended Program in General Education**

Because of high unit requirements for the B.S. in Biological Science, students are urged to consult with their advisers to design their general education program.

### **Upper-Division Baccalaureate Writing Requirement**

To meet the upper-division baccalaureate writing requirement, students must: (1) pass the English Writing Proficiency exam; and (2) pass with a "C" (2.0) or better ENGL 301 or CHEM 340 or six units from the following: BIOL 411, 414, 417, 422, 426, 445, 446, 447, 449, 468, 470, 495 and 498.

### **Internships**

Biology 495 Biological Internship provides students with the opportunity to participate in a practical work experience that integrates their interests with classroom studies.

## **SCHOLARSHIPS IN BIOLOGICAL SCIENCE**

For additional information, please see the CSUF Financial Aid website: <http://www.fullerton.edu/financialaid/>

### **L. Jack Bradshaw Scholarship in Immunology**

To preserve the memory of Dr. L. Jack Bradshaw, one scholarship per year is awarded to a deserving undergraduate or graduate student of biology who plans to pursue a career in immunology or cancer research or treatment.

### **Dr. and Mrs. Donald B. Bright Environmental Scholarship**

To preserve the memory of Dr. Donald B. Bright, one scholarship per year is awarded to a deserving undergraduate or graduate student of biology whose career plans include employment in the area of environmental science

### **Coppel Graduate Science Award**

Established by Lynn and Claude Coppel for biology graduate students for their unrestricted use.

### **Hillman and McClanahan Scholarship in Plant or Animal Physiological Ecology**

Established by Dr. Stanley Hillman and Dr. Lon McClanahan for biology graduate students who are engaged in research in the field of either plant or animal physiological ecology.

### **Dharm Vireo Pellegrini Memorial Research Grant**

To preserve the memory of Dharm Vireo Pellegrini, one scholarship awarded per year to a deserving undergraduate or graduate student of biology undertaking ornithological field research.

### **Judith A. Presch Desert Studies Scholarship**

To preserve the memory of Judith A. Presch, two scholarships per year are awarded (one undergraduate and one graduate student) by the Desert Studies Consortium for work in the Mojave Desert.

### **Dr. and Mrs. Marvin J. Rosenberg Scholarship**

Established by Dr. Marvin J. Rosenberg, one scholarship is awarded per year to a deserving continuing undergraduate or graduate student in the Cell and Development Biology Concentration or the Molecular Biology and Biotechnology Concentration.

### **Jerome Wilson Scholarship**

To preserve the memory of Dr. Jerome Wilson, scholarships are awarded to deserving undergraduate or graduate students of biology with interest in genetics.

## **BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE**

A total of 120 units, including general education, 43 units in biology courses (20 units in lower-division core and 23 units of upper-division elective courses constituting one of the concentrations described below), and 30 units of supporting courses in physical sciences and mathematics is required for completion of the B.S. in Biological Science. In addition, as a graduation requirement, students pursuing the B.S. in Biological Science must complete an exit exam on biology in the spring semester of their senior year.

The supporting courses must include one year of general college chemistry, including: qualitative analysis with laboratory; one year of organic chemistry with laboratory; one semester of college calculus or introduction to experimental design and statistics for biologists; and one year of college physics with laboratory. Those students seeking careers in the health professions should speak to a health professions adviser about specific course recommendations. Students who wish to earn a doctoral degree should consider, in addition, a modern foreign language or advanced courses in computational sciences.

To qualify for a B.S. degree in Biological Science, students must have earned a 2.0 or better in all biology courses and a 2.0 average in all required supporting courses. No credit toward the major will be allowed for biology courses in which a grade of C-, D or F is obtained. Courses taken under the Credit/No Credit grade option may not be applied towards the major.

All full-time, upper-division students and graduate students are expected to attend the departmental seminars.

### Core Requirements for the Major (20 units):

The lower-division required courses that constitute the core requirements for biology provide an introduction to basic principles of biology and to the investigative nature of science. The curriculum uses themes and perspectives to connect and integrate major concepts, principles and basic facts. Three themes run throughout the core curriculum:

*Evolution:* Inherited changes in organisms accumulate over time.

*Unity and Diversity:* Organisms possess common characteristics while exhibiting a wide range of variability.

*Dynamics of Biological Systems:* Living systems continually respond to their external and internal environments by making changes necessary to sustain life.

Each theme will be presented from two perspectives:

*Human Impact:* The interactions between the human and the biological world, and

*Scientific Process:* The testing of new ideas, questions or hypotheses through observation and experimentation.

Students should complete the following four lower-division core courses with a passing grade of “C” (2.0) or better before they take any upper-division biology course.

BIOL 171 Evolution and Biodiversity (5)

BIOL 172 Cellular Basis of Life (5)

BIOL 273 Genetics and Molecular Biology (5)

BIOL 274 Principles of Physiology and Ecology (5)

### Upper-Division Courses (23 units):

The upper-division program is designed to provide students with depth in a chosen concentration. With approval from his or her departmental adviser, each student selects a program leading to a concentration in one of four areas (see below). The upper-division program requires 23 units of upper-division coursework, including at least five units of laboratory- or field-based activities, at least six units of 400-level biology courses, and at least two units of a specified capstone course.

Students with junior or senior standing will be permitted to enroll in BIOL 480 Advanced Topics in Undergraduate Biology, BIOL 482 Capstone Studies in Biology, BIOL 495 Biological Internship, BIOL 498 Senior Thesis and BIOL 499L Independent Laboratory Study. However, no more than a combined total of six units of BIOL 480 (2 units max), BIOL 482 (2 units max), BIOL 495 (3 units max), BIOL 498 (2 units max) and BIOL 499L (6 units max) shall be counted toward the 23 upper-division biology units required for the major, and no more than three of these units may count toward the requirement to complete at least five units of upper-division biology laboratory/field electives.

## CONCENTRATION IN BIODIVERSITY, ECOLOGY AND CONSERVATION BIOLOGY

The concentration consists of 23 units of upper-division biology electives, of which at least five units must be laboratory- or field-based activities, at least six units must be 400-level biology courses, and at least two units must be a capstone course. The 23 units of upper-division biology electives must also meet the following requirements:

### Upper-Division Required Courses:

BIOL 314 Population and Community Ecology (3)

BIOL 325 Principles of Evolution (3)

### Upper-Division Electives (6 units minimum):

*Organismal Courses (3 units minimum)*

One of the following:

BIOL 302 General Microbiology (4)

BIOL 340 Field Botany (3)

BIOL 344 Survey of the Land Plants (3)

BIOL 441 Plant Taxonomy (4)

BIOL 467 Entomology (4)

BIOL 474 Natural History of the Vertebrates (4)

BIOL 476 Herpetology (4)

BIOL 478 Mammalogy (4)

BIOL 479 Ornithology (4)

*Physiology Courses (3 units minimum)*

One of the following:

BIOL 362 Mammalian Physiology (4)

BIOL 444 Plant Physiological Ecology (4)

BIOL 445 Plant Cell Physiology (3)\*

BIOL 468 Comparative Animal Physiology (4)\*

### Additional Upper-Division Electives (5 units minimum)

Any additional upper-division biology courses from the Organismal Biology or Capstone list (additional units from Organismal Biology or Capstone courses not used to fulfill those requirements count here) or courses from the following:

BIOL 301 Problems in Environmental Biology (3)

BIOL 317 Field Marine Biology (4)<sup>1</sup>

BIOL 402 Computer Lab in Molecular Systematics (3)

BIOL 404 Evolution (3)

OR BIOL 409 Evolution for Teachers (3)

BIOL 419 Marine Ecology (3)<sup>1</sup>

BIOL 419L Marine Ecology Laboratory (1)<sup>1</sup>

BIOL 422 Coastal Ecology (4)<sup>1\*</sup>

BIOL 436 Advanced Applied Statistics (3)

BIOL 442 Pollination Biology (3)

BIOL 443 Plant Ecology (4)

BIOL 444 Plant Physiological Ecology (4)  
BIOL 446 Marine Phycology (4)<sup>1\*</sup>  
BIOL 449 Desert Ecology (4)\*  
BIOL 461 Marine Invertebrate Biology (4)<sup>1</sup>  
BIOL 466 Behavioral Ecology (3)  
BIOL 468 Comparative Animal Physiology (4)\*  
BIOL 475 Ichthyology (4)<sup>1</sup>

### Free Upper-Division Biology Electives

Additional upper-division biology electives to reach at least of 23 units. Although it is recommended that Biodiversity, Ecology and Conservation Biology Concentration majors select these additional elective units from courses listed under Upper-Division Electives and Additional Upper-Division Electives under this concentration, any upper-division biology majors course may be utilized to fulfill these additional units.

### Capstone Courses (2 units minimum)

BIOL 400 Seminar in Biology Education (2)  
BIOL 401 Biogeography (3)  
BIOL 447 Ethnobotany (3)\*  
BIOL 450 Conservation Biology (3)  
BIOL 481 Advances in Evolution and Ecology (3)  
BIOL 482 Capstone Studies in Biology (2)  
BIOL 495 Biological Internship (3)\*  
BIOL 498 Senior Thesis (2)\*  
BIOL 499L Independent Laboratory Study (1 – 3)

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<sup>1</sup> a maximum of 4 units of these marine biology classes may be applied toward the 23 upper-division electives required for the BEC concentration

\* courses that meet the upper-division writing requirements (6 units required)

## CONCENTRATION IN CELL AND DEVELOPMENTAL BIOLOGY

The concentration consists of 23 units of upper-division biology electives, of which at least five units must be laboratory- or field-based activities, at least six units must be 400-level biology courses, and at least two units must be a capstone course. The 23 units of upper-division biology electives must also meet the following requirements:

### Upper-Division Required Courses (7 units)

Must complete both classes prior to entering other upper-division electives:

BIOL 302 General Microbiology (4)  
BIOL 303 Intermediate Cell Biology (3)

### Upper-Division Biology Electives (10 units minimum)

*Cell Biology Courses (7 units minimum)*

BIOL 362 Mammalian Physiology (4)  
BIOL 405 Developmental Biology (3)

BIOL 417 Advances in Cell Biology (3)\*  
BIOL 418L Advances in Cell Biology Lab (2)  
BIOL 424 Immunology (4)  
BIOL 426 Virology (3)<sup>2\*</sup>  
BIOL 428 Biology of Cancer (3)<sup>2</sup>  
BIOL 439 Advances in Microbiology (3)  
BIOL 445 Plant Cell Physiology (3)\*  
BIOL 470 Cellular Neurobiology (3)<sup>2\*</sup>

### *Molecular Biology Courses*

The following may be used to complete the 10-unit minimum:

BIOL 309 Intermediate Molecular Biology (3)  
BIOL 402 Computer Lab in Molecular Systematics (3)  
BIOL 411 Medical Genetics and Systems Biology (3)\*  
BIOL 412 Principles of Gene Manipulation (3)  
BIOL 413 Advances in Molecular Genetics (3)  
BIOL 414 Microbial Genetics (3)\*  
BIOL 430 Advances in Microbiology (3)  
BIOL 448 Plant Molecular Biology (3)  
CHEM 421 Biological Chemistry (3)  
OR CHEM 423A General Biochemistry (3)

### Free Upper-Division Biology Electives

Additional upper-division biology electives to reach at least 23 units. Although it is recommended that Cell and Developmental Biology Concentration majors select these additional elective units from courses listed under Upper-Division Biology Electives under this concentration, any upper-division biology majors course, or any of the following courses, may be utilized to fulfill these additional units.

BIOL 304 Supervised Biology Lab Instruction (2)  
BIOL 361 Human Anatomy (4)  
BIOL 480 Advanced Topics in Undergraduate Biology (1 – 3)

### Capstone Courses (2 units minimum)

BIOL 400 Seminar in Biology Education (2)  
BIOL 426 Virology (3)<sup>2\*</sup>  
BIOL 428 Biology of Cancer (3)<sup>2</sup>  
BIOL 470 Cellular Neurobiology (3)<sup>2\*</sup>  
BIOL 482 Capstone Studies in Biology (2)  
BIOL 495 Biological Internship (3)\*  
BIOL 498 Senior Thesis (2)\*  
BIOL 499L Independent Laboratory Study (1 – 3)

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<sup>2</sup>courses that count as either electives or capstone, but not both.

\* courses that meet the upper-division writing requirements (6 units required)

## CONCENTRATION IN MARINE BIOLOGY

The concentration consists of 23 units of upper-division biology electives, of which at least five units must be laboratory- or field-based activities, at least six units must be 400-level biology courses, at least two units must be a capstone course. The 23 units of upper-division biology electives must also meet the following requirements. (Selected approved courses from the Ocean Studies Institute (see <http://osi.scmi.us/>) taken as part of the CSU Catalina semester may be used to fulfill these requirements.)

### Upper-Division Required Courses (3 units)

BIOL 314 Population and Community Ecology (3)  
OR BIOL 325 Principles of Evolution (3)

### Upper-Division Biology Electives (11 units minimum)

#### *Ecology Courses (4 units minimum)*

One of the following:

BIOL 419 Marine Ecology (3) and BIOL 419L Marine Ecology Laboratory (1)  
OR BIOL 422 Coast Ecology (4)\*

#### *Organismal/Systematics Courses (4 units minimum)*

One of the following:

BIOL 446 Marine Phycology (4)\*  
BIOL 461 Marine Invertebrate Biology (4)  
BIOL 475 Ichthyology (4)

#### *Other Marine Biology Courses (3 units minimum)*

One of the following:

BIOL 301 Problems in Environmental Biology (3)  
BIOL 302 Microbiology (4)  
BIOL 317 Field Marine Biology (4)  
BIOL 402 Computer Lab in Molecular Systematics (3)  
BIOL 404 Evolution (3)  
OR BIOL 409 Evolution for Teachers (3)  
BIOL 405 Developmental Biology (3)  
BIOL 436 Advanced Applied Statistics (4)  
BIOL 468 Comparative Animal Physiology (4)\*

### Free Upper-Division Biology Electives:

Additional upper-division biology electives to reach at least 23 units. Although it is recommended that Marine Biology majors select these additional units from the courses listed under Upper-Division Biology Electives under this concentration, any upper-division biology majors course may be utilized to fulfill these additional units.

### Capstone Courses (2 units minimum)

BIOL 400 Seminar in Biology Education (2)  
BIOL 401 Biogeography (3)  
BIOL 422 Coastal Ecology (4)\*  
BIOL 450 Conservation Biology (3)

BIOL 482 Capstone Studies in Biology (2)  
BIOL 495 Biological Internship (3)\*  
BIOL 498 Senior Thesis (2)\*  
BIOL 499L Independent Laboratory Study (1-3)

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\* courses that meet the upper-division writing requirements (6 units required).

## CONCENTRATION IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY

The concentration consists of 23 units of upper-division biology electives, of which at least five units must be laboratory- or field-based activities, at least six units must be 400-level biology courses, and at least two units must be a capstone course. The 23 units of upper-division biology electives must also meet the following requirements:

### Upper-Division Required Courses (6-7 units)

Must complete these classes prior to entering other upper-division electives:

BIOL 309 Intermediate Molecular Biology (3)  
AND one or more of the following:  
BIOL 302 General Microbiology (4)  
CHEM 421 Biological Chemistry (3)  
OR CHEM 423A General Biochemistry (3)

### Upper-Division Biology Electives (10 units minimum)

#### *Molecular Biology Courses (6 units minimum)*

BIOL 402 Computer Lab in Molecular Systematics (3)  
BIOL 405 Developmental Biology (3)  
BIOL 411 Medical Genetics and Systems Biology (3)\*  
BIOL 412 Principles of Gene Manipulation (3)  
BIOL 413 Advances in Molecular Genetics (3)  
BIOL 414 Microbial Genetics (3)\*  
BIOL 430 Advances in Microbiology (3)  
BIOL 445 Plant Cell Physiology (3)\*  
BIOL 448 Plant Molecular Biology (3)  
BIOL 472A Advances in Biotechnology Lab (3)3  
BIOL 472B Advances in Biotechnology Lab (3)3  
BIOL 473 Bioinformatics (3)  
CHEM 421 Biological Chemistry (3)  
OR CHEM 423A General Biochemistry (3)

#### *Cell Biology Courses*

The following may be used to complete the 10-unit minimum:  
BIOL 362 Mammalian Physiology (4)  
BIOL 417 Advances in Cell Biology (3)  
BIOL 418L Advances in Cell Biology Lab (2)

BIOL 424 Immunology (4)  
BIOL 426 Virology (3)\*  
BIOL 428 Biology of Cancer (3)  
BIOL 444 Plant Physiological Ecology (4)  
BIOL 470 Cellular Neurobiology (3)\*  
BIOL 477 Advances in Biotechnology (3)

### Free Upper-Division Biology Electives

Additional upper-division biology electives to reach a total of at least 23 units. Although it is recommended that Molecular Biology and Biotechnology Concentration majors select these additional elective units from courses listed under Upper-Division Biology Electives under this concentration, any upper-division biology majors courses, or any of the following courses, may be utilized to fulfill these additional units:

BIOL 304 Supervised Biology Lab Instruction (2)  
BIOL 480 Advanced Topics in Undergraduate Biology (1-3)

### Capstone Courses (2 units minimum)

BIOL 400 Seminar in Biology Education (2)  
BIOL 412 Principles in Gene Manipulation (3)  
BIOL 430 Advances in Microbiology (3)  
BIOL 472A Advances in Biotechnology Lab (3)<sup>3</sup>  
BIOL 472B Advances in Biotechnology Lab (3)<sup>3</sup>  
BIOL 482 Capstone Studies in Biology (2)  
BIOL 495 Biological Internship (3)\*  
BIOL 498 Senior Thesis (2)\*  
BIOL 499L Independent Laboratory Study (1-3)

<sup>3</sup> courses that count as either electives or capstone but not both.

\* courses that meet the upper-division writing requirements (6 units required)

### Supporting Course Requirements for the Major (29-30 units)

CHEM 120A,B General Chemistry (10)  
CHEM 301A,B Organic Chemistry (6)  
CHEM 302 or CHEM 302A,B Organic Chemistry Laboratory (2)  
PHYS 211, 211L Elementary Physics and Laboratory (4)  
PHYS 212, 212L Elementary Physics and Laboratory (4)  
MATH 130A Short Course in Calculus (4),  
OR MATH 150A Calculus (4),  
OR MATH 337 Introduction to Experimental Design and  
Statistics in the Laboratory Sciences (3)

### MINOR IN BIOTECHNOLOGY

The biotechnology minor is appropriate for students majoring in biological science or biochemistry and interested in gaining employment in nearly any area of the growing medical and agricultural biotechnology industries, working in academic research laboratories, or pursuing post-graduate degrees in basic molecular biology or biochemistry.

The biotechnology minor requires a minimum of 31 acceptable units of chemistry and biology. These courses must be completed with a minimal overall grade-point average of 2.0 and include 12 units unique to the minor that are not used to meet requirements for the biological science or biochemistry major.

### Required Core Courses (28 units)

BIOL 273 Genetics and Molecular Biology (5)  
BIOL 309 Intermediate Molecular Biology (3)  
OR Chem 421 Biological Chemistry (3)  
CHEM 301A,B Organic Chemistry (6)  
CHEM 302 or CHEM 302A,B Organic Chemistry Laboratory (2)  
BIOL 412 Principles of Gene Manipulation (3)  
BIOL/CHEM 472A,B Advances in Biotechnology Laboratory (6)  
CHEM/BIOL 477 Advances in Biotechnology (3)

### Supporting Courses (3-4 units)

Complete one of the following courses:

BIOL 309 Intermediate Molecular Biology (3)  
BIOL 413 Advances in Molecular Genetics (3)  
BIOL 424 Immunology (4)  
CHEM 421 Biological Chemistry (3)  
CHEM 423A General Biochemistry (3)  
CHEM 423B General Biochemistry (3)

### MASTER OF SCIENCE IN BIOLOGY

The M.S. in Biology is a thesis-based degree for which the student completes original, independent research in one of the following areas: Biodiversity, Ecology and Conservation Biology, Cell and Developmental Biology, Marine Biology, Molecular Biology and Biotechnology, or Biology Pedagogy Research. The program offers specialized educational opportunities and training in preparation for: (a) advanced graduate work toward a doctoral degree in the biological sciences or science education; (b) teaching at the secondary and community college levels; (c) participation in research programs and employment as a research technician; (d) participation in various field service and conservation positions within local, state and national governments; (e) entering the field of public-health service; or (f) technological work in the health sciences.

### Admission Requirements

An applicant must meet the university requirements for admission, which include a baccalaureate from an accredited institution and a grade-point average of at least 2.5 in the last 60 semester units attempted (see section of this catalog on Graduate Admissions for complete statement and procedures). Students must make two applications, one to the university and another to the department. In addition to the university requirements for admission, acceptance into this program is contingent upon the following: (1) a B.A. or B.S. in Biological Science or related area at an accredited institution with a grade-point average of 3.0 in biology courses and a grade-point average of 2.5 in the related courses

in mathematics, chemistry and physics; (2) submission of scores on one of the following: (a) Graduate Record Examination General Test, (b) Medical College Admission Test, or (c) Dental Admission Test; (3) completion of the departmental application; (4) submission of two letters of recommendation; and (5) acceptance by a thesis adviser.

Students with deficiencies may be considered for conditional acceptance into the program. For conditionally accepted students, the specific conditions and a deadline for their completion are determined at the time of admission; continuation in the M.S. program is dependent upon completion of the admission conditions by the specified deadline.

### **Application Deadlines**

The deadlines for completing the online university application are March 1 for the fall semester and Oct. 1 for the spring semester (see <http://www.csumentor.edu>). Mailed applications need to be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

Departmental applications are accepted for fall admissions from Nov. 1 to April 30 and for spring admissions from May 1 to Oct. 31. A completed departmental application and all required documents must be received by these deadlines. Check the Department of Biological Science website for information at <http://biology.fullerton.edu>.

### **Classified Standing**

Students should achieve classified graduate standing as soon as they are eligible, since no more than nine units of graduate work taken before classification can be included on the study plan (see below) for the degree. A student who meets the admission requirements may apply for classified standing, which requires the development of a study plan approved by the thesis adviser, thesis committee, Department Graduate Program Adviser and Associate Vice President of Graduate Studies and Research. Students admitted with conditional acceptance must meet conditions (see above) before being considered for classified standing.

### **Advancement to Candidacy**

Advancement to candidacy is attained by requesting a graduation check and receiving subsequent approval of the Department Graduate Program Adviser and Associate Vice President of Graduate Studies and Research.

### **Study Plan**

Students must meet the Graduate Level Writing Requirement, which is described in this catalog under "Graduate Regulations." Biology M.S. candidates will meet this requirement by taking BIOL 500A,B Professional Aspects of Biology.

A study plan includes 30 units of adviser-approved graduate work; at least one-half of the total units must be at the 500 level. All study plans must include BIOL 599 Independent Graduate Research, BIOL 500A,B Professional Aspects of Biology, BIOL 598 Thesis, and at least two graduate seminars.

A thesis acceptable to the adviser and committee, covering a research problem, as well as a thesis defense and a public presentation on the thesis research, are required to complete the degree program.

Supervising the work of graduate students requires the personal attention of advisers. To insure that advisers are available for new graduate students, a graduate student is expected to complete the requirements for graduation within three years after classification.

For more detailed information or advisement, students should contact the Department of Biological Science or the Department Graduate Program Adviser at [biogradadv@fullerton.edu](mailto:biogradadv@fullerton.edu).

## **BIOLOGICAL SCIENCE COURSES**

Courses are designated as BIOL in the class schedule.

Unless otherwise designated, prerequisites may be waived by the instructor of the course if the instructor is satisfied that the student is qualified for the course.

### **101 Elements of Biology (3)**

Underlying principles governing life forms, processes and interactions. Elements of biology and reasoning skills for understanding scientific issues on personal, societal and global levels. For the non-science major. No credit toward biological science major.

### **101H Elements of Biology (Honors) (3)**

Corequisite: Biology 101LH (Honors). Students must meet honors qualifications. Living organisms and characteristics of the natural environment. Scientific reasoning leading to our current understanding of living systems. For the non-science major.

### **101L Elements of Biology Laboratory (1)**

Pre- or corequisite: BIOL 101. Laboratory experiments demonstrating the principles presented in the lecture course. Scientific inquiry, cell structure and function, physiology, genetics, biodiversity, evolution and ecology. For the non-science major. (3 hours laboratory or fieldwork; weekend field trips may be required).

### **101LH Elements of Biology Laboratory (Honors) (1)**

Corequisite: BIOL 101H (Honors). Students must meet honors qualifications. Laboratory experiments and demonstrations which provide insight into scientific reasoning and the basis of our current understanding of living systems. For the non-science major. (3 hours laboratory or fieldwork; field trips may be required)

### **102 Biology for Future Teachers (3)**

Designed especially for the prospective teacher, this activity-based course examines biological concepts in real-world contexts, such as the medical examination, genes and evolution, and the environment. Lecture and laboratory form a single unified learning experience. No credit toward biological science major. (6 hours activity)

### **171 Evolution and Biodiversity (5)**

Introduction to scientific processes and methods of biology. Unifying principles of evolution processes leading to biodiversity, and principles of conservation biology. (Primarily for majors in the Colleges of Natural Science/Mathematics and Engineering/Computer Science; 3 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

### **172 Cellular Basis of Life (5)**

Prerequisite: BIOL 171. Structure and function of prokaryotic and eukaryotic cells including: evolutionary relationships; cell membranes; compartmentation; signaling and metabolic pathways; cellular reproduction; cell differentiation, multicellularity and development. (For majors in Colleges of Natural Science/Mathematics and Engineering/Computer Science; 3 hours lecture, 6 hours laboratory)

### **191A Integrated Human Anatomy and Physiology (4)**

(Same as KNES 191A)

### **191B Integrated Human Anatomy and Physiology (4)**

Prerequisite: KNES/ BIOL 191A; corequisite: CHEM 200. Second semester of integrated concepts in human anatomy and physiology for nursing, allied health, and kinesiology majors. Nutrition, water and ion balance, and homeostatic regulation by the digestive, renal, cardio-respiratory, endocrine, nervous systems. No credit toward biological science major. (3 hours lecture, 3 hours laboratory) (Same as KNES 191B)

### **202 Microbiology for Nursing and Allied Health Professionals (4)**

Prerequisite: BIOL 101, 191A or equivalent; corequisite: CHEM 200. Introduction to bacteria, fungi, protozoa and viruses with emphasis on pathogenic agents and how they are controlled by host defenses and human intervention. Laboratory provides practice with basic microbiological skills. No credit toward biological science major. (3 hours lecture, 3 hours laboratory)

### **210 Human Anatomy and Physiology (3)**

Introductory anatomy and physiological concepts for Kinesiology and Health Science majors. Gross and micro-level human anatomy as well as the structure and function of selected systems. Preparation for Kinesiology 260, 300, 348, 371, and the major in Health Science. No credit toward biological science major. (Same as Kinesiology 210)

### **273 Genetics and Molecular Biology (5)**

Prerequisite: BIOL 172; corequisite: completion or enrollment in CHEM 120A. Underlying principles of inheritance, structure and functions of nucleic acids, regulation of gene expression, the mechanisms by which populations evolve, and the impact of biotechnology on society. (3 hours lecture, 6 hours laboratory)

### **274 Principles of Physiology and Ecology (5)**

Prerequisites: BIOL 273 and CHEM 120A; Math 130, 150A or 337 suggested. Principles of organisms' interactions with their environments; physiological and evolutionary mechanisms of change in response to environmental factors; population and community ecology; energy and material flow through ecosystems. (3 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

### **299L Directed Laboratory Study (1-3)**

Prerequisites: BIOL 171, 172 and consent of instructor. Research in biology under the supervision of a biology faculty member. Intended for students (especially lower division) who may not have completed sufficient coursework to allow them to work independently, but who are eager for laboratory research experience. May be repeated for university credit, but units do not count toward major. (3 hours laboratory per unit)

### **300 Environmental Biology (3)**

Prerequisite: BIOL 101 or equivalent. Biological consequences of human intervention in ecosystems: Endangered and threatened species, pollution impact on organisms, pest control, population dynamics, genetic engineering of agricultural species, management of natural areas and urban ecosystem dynamics. No credit toward biological science major.

### **301 Problems in Environmental Biology (3)**

Prerequisite: admission into the Southern California Ecosystems Research Program in environmental biology. Environmental problems in Southern California ecosystems. Effects of human activities on desert, foothill, and wetland ecosystems. Offered as an intensive four-week summer field experience. (Equivalent to 1 hour lecture, 6 hours laboratory/fieldwork during a normal semester)

### **302 General Microbiology (4)**

Prerequisites: biology majors, BIOL 274 with a "C" (2.0) or better, CHEM 120B with a "C-" (1.7) or better; biochemistry majors, BIOL 273 and CHEM 120B with a "C" (2.0) or better. Introduction to structure and function of bacteria and viruses including beneficial and detrimental activities and interactions with other organisms. Laboratory provides investigations with microscopy, culture, physiology and genetics of microbes. (2 hours lecture, 6 hours laboratory)

### **303 Intermediate Cell Biology (3)**

Prerequisites: biology majors, BIOL 274 with a "C" (2.0) or better, CHEM 120B with a "C-" (1.7) or better; biochemistry majors, BIOL 273 and CHEM 120B with a "C" (2.0) or better; corequisite: CHEM 301A. Evidence-based examination of cells in action, roles of information, matter and energy flow as driving forces for compartmentation, protein sorting, metabolic and signaling pathways, motility and adhesion; examples taken from developmental, neural and cancer processes.

### **304 Supervised Biology Laboratory Instruction (2)**

Prerequisites: BIOL 172, 273 or 274 and permission of instructor. For students interested in assisting in lower division biology lab that they have completed. Practical experience in laboratory teaching and introduction to major topics in biology education.

### **305 Human Heredity and Development (3)**

Prerequisite: BIOL 101 or equivalent. Principles of human heredity and embryology relating to human development. Mendelian genetics, single gene effects, genetics, prenatal diagnosis, and human embryology. No credit toward biological science major.

### **306 Biology of Aging (3)**

Prerequisite: BIOL 101 or equivalent. Biological changes in cells, tissues, organs and the whole body associated with aging. Theories of aging will be discussed with primary emphasis on mammals. No credit toward biological science major.

### **309 Intermediate Molecular Biology (3)**

Prerequisites: biology majors, BIOL 274 with a "C" (2.0) or better, CHEM 120B with a "C-" (1.7) or better; biochemistry majors, BIOL 273, CHEM 120B with a "C" (2.0) or better. Corequisite: Chemistry 301A. Molecular and genetic basis of cellular functions. Role of gene expression and protein function in metabolism, physiology, growth, development. Introduction to recombinant DNA and its uses, and to critical analysis of primary literature.

### **310 Human Physiology (3)**

Prerequisite: completion of a biology and chemistry course from General Education (G. E.) Category III.A.2; health science and kinesiology majors, BIOL/KNES 210 with a "C" (2.0) or better. Human physiological systems and their relationship to human function for non-biology majors and students in Kinesiology and Health Sciences. No credit for biological science major.

### **310L Human Physiology Laboratory (3)**

Prerequisite: BIOL 310 with a "C" (2.0) or better or concurrent enrollment, or concurrent enrollment in BIOL 310; health science and kinesiology majors, BIOL/KNES 210 with a "C" (2.0) or better. Investigation of human physiology; the cellular to organ system level of muscular, cardiovascular, respiratory and renal systems; the neural and endocrine control of these systems. Labs emphasize functional aspects of each organ system. No credit toward biological major. (3 hours laboratory)

### **311 Nutrition and Disease (3)**

(Same as CHEM 311)

### **314 Population and Community Ecology (3)**

Prerequisites: completion of biology lower-division core. Introduction to the quantitative description of populations and communities, as well as the use of mathematical models to understand the dynamics of populations and communities. Links comparative, experimental and theoretical approaches to understanding the abundance and distribution of organisms and their interactions.

### **317 Field Marine Biology (4)**

Prerequisites: completion of biology lower-division core. Field biology and natural history of local marine plants and animals. Identification of common species and factors determining their distributions and abundance in marine habitats. Effects of human activities on marine organisms. (2 hours lecture, 6 hours lab or fieldwork; weekend field trips may be required)

### **318 Wildlife Conservation (3)**

Prerequisite: completion of G. E. Category III.A.2.c. Causes and consequences of loss of biological diversity, with an emphasis on wildlife populations and science-based conservation. Threatened and endangered species/ecosystems, ecosystem management, habitat restoration, captive species reintroductions and conservation legislation. No credit toward biology major.

### **319 Marine Biology (3)**

Prerequisite: completion of G. E. Category III.A.2.c. Survey of marine plants and animals in their habitats. No credit toward biological science major.

### **322 Human Behavioral Ecology (3)**

(Same as ANTH 322)

### **325 Principles of Evolution (3)**

Prerequisites: completion of biology lower-division core. Mechanisms of evolutionary change, including mutation, selection, migration, and drift. Introduces methods for studying adaptations. Sexual selection, kin selection and evolution of life history strategies. Uses modern examples, including antibiotic resistance, to illustrate the relevance of understanding evolution.

### **330 Ecology of American Indians (3)**

Prerequisite: completion of G. E. Category III.A.2.c. Interrelationships of native peoples of the Americas with the local flora and fauna and the natural environment. Roles of American Indians in predator-prey interactions, ecological hierarchy, nutrient cycling, successional change and resource management. No credit toward biological science major.

### **340 Field Botany (3)**

Prerequisites: completion of biology lower-division core. Native flora of Southern California. Identification, natural history and factors that determine the distribution of species. (1 hour lecture, 6 hours laboratory or fieldwork; weekend field trips are required)

### **344 Survey of the Land Plants (4)**

Prerequisites: completion of biology lower-division core. Anatomical and morphological characteristics of the land plants as they relate to the evolutionary development and ecological strategies of these plants. (2 hours lecture, 6 hours laboratory)

### **352 Plants and Life (3)**

Prerequisite: completion of G. E. Category III.A.2.c.

Importance of plants in our lives, including such things as plant domestication and the origin of agriculture. Why plants are fascinating organisms. No credit toward biological science major.

### **360 Biology of Human Sexuality (3)**

Prerequisite: completion of G. E. Category III.A.2.c. Biology of the human reproductive system, sexual differentiation, anatomy and physiology, sexual behaviors, procreation, contraception and sexually transmitted disease. No credit toward biological science major.

### **361 Human Anatomy (4)**

Prerequisites: biology majors, BIOL 274 with a "C" (2.0) or better; biochemistry majors, BIOL 172, 273 with a "C" (2.0) or better; health science majors and kinesiology majors, BIOL 101, BIOL/KNES 210 with a "C" (2.0) or better. Systems approach to the structure and function of the human body. For biology majors and related health sciences. (2 hours lecture, 6 hours laboratory)

### **362 Mammalian Physiology (4)**

Prerequisites: biology majors, BIOL 274 with a "C" (2.0) or better, CHEM 120B with a "C-" (1.7) or better; biochemistry majors, BIOL 172, 273, CHEM 120B with a "C" (2.0) or better. Fundamental mechanisms of mammalian and human physiology. Integration of cellular and organ system functions with emphasis on regulatory processes. For biology majors and related health sciences. (3 hours lecture, 3 hours laboratory).

### **400 Seminar in Biology Education (2)**

Prerequisites: one of the following: BIOL 302, 303, 309, 314 and permission of instructor. For students interested in biology education/science education. Students discuss major topics in biology education and conduct research. (2 hours lecture/discussion)

### **401 Biogeography (3)**

Prerequisites: BIOL 314 or 325. Evolutionary patterns and mechanisms of the distribution of plants and animals in the major habitats of the world. Current concepts and theories.

### **402 Computer Lab in Molecular Systematics (3)**

Prerequisites: BIOL 303, 309, 314 or 325. Gain practical and theoretical experience with software-based methods in molecular systematics, with emphasis on Internet resources for molecular biologists, acquisition of gene protein sequences, multiple sequence alignment, PCR primer design, phylogenetic analysis, and controversies in the field. (2 hours lecture, 3 hours laboratory)

### **404 Evolution (3)**

Prerequisites: BIOL 309 or 325. History of evolutionary thought; origin of universe, earth and life; geological and paleontological history of the earth; evidence derived from comparative anatomy, embryology, genetics, zoogeography; mechanisms of evolution.

### **405 Developmental Biology (3)**

Prerequisite: BIOL 303 or 309. Molecular and cellular processes in embryonic development encompassing mechanisms of fertilization, cell and tissue interactions, morphogenesis, organogenesis, and the regulation of gene expression.

### **409 Teaching Evolution: Online Course for Teachers (3)**

Prerequisites: completion of biology lower-division core, G. E. Category III.A and instructor permission. Concepts of evolution, methods of teaching evolution, information competence and ethics. Technology employed for communication, collaboration, investigation and organization. If both BIOL 404 and 409 are taken, only BIOL 404 counts for biological science major.

### **411 Medical Genetics and Systems Biology (3)**

Prerequisites: BIOL 302, 309, CHEM 421 or 423A. Advances in genetics, genomics, proteomics, and systems biology. Implications for the pharmaceutical industry, the clinic, and for genetic counseling. Uses of biological arrays in diagnosing and treating diseases.

### **412 Principles of Gene Manipulation (3)**

Prerequisites: BIOL 309 and CHEM 301B. Current approaches to and applications of recombinant DNA technology. Principles behind construction of recombinant molecules including vectors and enzymes, introduction into organisms, selection, expression of cloned genes, and impact of research on society.

### **413 Advances in Molecular Genetics (3)**

Prerequisites: BIOL 309 and CHEM 301A,B. Function of genetic material and informational macromolecules. Extensive analysis of recent scientific articles in molecular genetics illustrating mutagenesis, protein synthesis, protein structure and function, biogenesis of RNA molecules, regulation of gene expression and their relationship to important biological processes.

### **414 Microbial Genetics (3)**

Prerequisite: BIOL 302, 309, CHEM 421 or 423A. Perspective of genetics of microbial systems including background information, experimental methods, data interpretation, genetic analysis and applications to biotechnology.

### **417 Advances in Cell Biology (3)**

Prerequisite: BIOL 303. Current topics in the cell biology of cell motility, cell multiplication and regulation, membranes and permeability, cell signaling, cell-to-cell contact and extracellular matrix, and cell differentiation using current journal articles.

### **418L Advances in Cell Biology Lab (2)**

Prerequisite: BIOL 303. Use of current techniques like fluorescence microscopy, immunolabeling, ion-sensitive dye ratio-metry, image processing, and 2-D and 3-D reconstruction to study problems in cell biology, cellular developmental biology, and cellular neurobiology. (6 hours laboratory)

**419 Marine Ecology (3)**

Prerequisite: BIOL 314 or 325. Ecology of planktonic, nektonic and benthic organisms; their communities and environments.

**419L Marine Ecology Laboratory (1)**

Corequisite: BIOL 419. Field and laboratory studies of planktonic, nektonic and benthic communities. (3 hours laboratory or field work; weekend field trips may be required)

**422 Coastal Ecology (4)**

Prerequisites: BIOL 314 or 325. Ecology or coastal populations and communities with emphasis on rocky intertidal or other marine or ocean-influenced habitats. Field and laboratory experiments and studies of ecological processes affecting species distributions and abundances. (2 hours lecture, 6 hours laboratory/field work; weekend field trips may be required)

**424 Immunology (4)**

Prerequisites: BIOL 302, and 303 or 309. Molecular, cellular and organismic nature of the immune process. Inflammation, phagocytosis, antigens, immunoglobulins and cell-mediated immune phenomena. Modern immunology techniques. (2 hours lecture, 6 hours laboratory)

**426 Virology (3)**

Prerequisite: BIOL 303 or 309. Viral structure and replication and host-virus interactions in the viral replication process, with emphasis on animal and bacterial virus systems.

**428 Biology of Cancer (3)**

Prerequisite: BIOL 303, 309, 314 or 325. BIOL 424 is recommended. Cancer problem as a dilemma of biology. Clinical and epidemiological aspects. Current research.

**430 Advances in Microbiology (3)**

Prerequisite: BIOL 302 or graduate standing. Current topics in microbiology virulence mechanisms, antibiotics, host-bacterium interaction, mobile DNA elements, secretion systems, select agents, differentiation, and development.

**436 Advanced Applied Statistics (4)**

Prerequisites: MATH 337 or 338. Linear models, including mixed models, applied to experimental and field data from current research projects. Poisson and logistic regression. Model fitting and checking; use of permutation tests as needed. Presentation of results suitable for publication. (3 hours lecture, 3 hours laboratory) (Same as Math 436)

**438 Public Health Microbiology (4)**

Prerequisite: BIOL 302. Control and epidemiology of infectious diseases of public health importance, water and sewage microbiology. Control of current problems. (2 hours lecture, 6 hours laboratory)

**441 Plant Taxonomy (4)**

Prerequisites: completion of biology lower-division core. Classification and evolution of vascular plants; emphasis on the flowering plants. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**442 Pollination Biology (3)**

Prerequisites: completion of biology lower-division core. Pollination in the plant kingdom. Floral cues, pollination syndromes, pollinator behavior, chemical and physical characteristics of pollination, energetics, gene flow, phenology, and ecological aspects of pollination. (2 hours lecture, 3 hours laboratory or fieldwork)

**443 Plant Ecology (4)**

Prerequisite: BIOL 314. Community and population ecology of terrestrial plants. Environmental factors and plant distribution with emphasis on California vegetation. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**444 Plant Physiological Ecology (4)**

Prerequisites: completion of biology lower-division core. BIOL 445 is recommended. Fundamental mechanisms of plant physiological responses to the environment with primary emphasis on whole plants and ecosystems. (2 hours lecture, 6 hours laboratory; weekend field trips may be required)

**445 Plant Cell Physiology (3)**

Prerequisites: BIOL 302, 309, 314, CHEM 421 or 423A. Cellular and molecular mechanisms of behavior, growth, transport processes, and environmental responses in vascular plants. Plant cell development, nutrition, respiration, photosynthesis, hormones, photoperiodism, and stress biology.

**446 Marine Phycology (4)**

Prerequisites: completion of biology lower-division core. Biological aspects of marine algae; comparative development, morphology, taxonomy, physiology, and ecology. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**447 Ethnobotany (3)**

Prerequisites: BIOL 314 or 325. How people interact with plants and the environment, including such things as western medicinal plant use, traditional medicine and dentistry, exotic foods and conservation. (2 hours lecture, 3 hours laboratory; weekend field trips may be required)

**448 Plant Molecular Biology (3)**

Prerequisite: BIOL 302 or 303 or 309 or CHEM 421 or 423A. Genetic mechanisms in vascular plants controlling metabolism, growth, development, and responses to biotic/abiotic environmental stresses. Molecular regulation of gene expression and transduction of internal and external signals.

**449 Desert Ecology (4)**

Prerequisites: BIOL 314 or 325. Adaptations, distributions and interactions of desert plants, animals and microbes, including the influences of environmental factors. (2 hours lecture, 6 hours laboratory of fieldwork; weekend field trips may be required)

**450 Conservation Biology (3)**

Prerequisite: BIOL 314 or 325. Current topics involving theory, concepts and techniques in the conservation of biological diversity.

**451 Advanced Human Evolution (3)**

(Same as ANTH 451)

**453 Life Science Concepts (3)**

Prerequisites: BIOL 101 or 102 (or equivalent) and upper-division standing. Biological principles using science processes appropriate for elementary teachers. No credit for Biological Science major. (2 hours lecture, 2 hours activity)

**461 Marine Invertebrate Biology (4)**

Prerequisite: BIOL 314 or 325. Evolution, classification, phylogeny, morphological and physiological adaptations of marine invertebrate animals. Dissection, identification and observation of extant animals. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**462 General Parasitology (4)**

Prerequisite: BIOL 302. Survey of various animal parasites with an emphasis on the morphology, physiology, and genetics of human protozoans and helminthes. Other topics will include vectors and common parasites of domestic animals. (3 hours lecture, 3 hours lab per week)

**466 Behavioral Ecology (3)**

Prerequisites: completion of biology lower-division core. Current problems in the evolution of animal behavior; the origin and maintenance of social systems and behavioral interactions of animals.

**467 Entomology (4)**

Prerequisites: completion of biology lower-division core. Anatomy, physiology, evolution and biology of insects and other terrestrial arthropods. Dissection, collection, identification and observation of living arthropods. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**468 Comparative Animal Physiology (4)**

Prerequisites: completion of biology lower-division core and CHEM 120B. Comparative study of physiological and biochemical processes among representative animals. (3 hours lecture, 3 hours laboratory, weekend field trips may be required)

**470 Cellular Neurobiology (3)**

Prerequisites: BIOL 303 or 309, and 362. Processes of cell communication, particularly in nervous systems. Molecular biology of neurons, model sensory and motor systems, and cellular basis for behavior.

**472A Advances in Biotechnology Laboratory (3)**

Prerequisites: BIOL 302, 309, CHEM 421 or 423A Corequisite; CHEM 412. First semester explores biotechnology techniques for DNA cloning and analysis: restriction enzyme action, DNA sequencing, sequence analysis by computer, plasmid cloning, genomic library production and screening, DNA probe hybridization. (1 hour lecture/discussion, 6 hours laboratory) (Same as CHEM 472A)

**472B Advances in Biotechnology Laboratory (3)**

(Same as CHEM 472B)

**473 Bioinformatics (3)**

Prerequisites: CHEM 301B, 302 and BIOL 325 or CHEM 421. Provides a research-based, problem-solving experience using the tools and algorithms of molecular and computational biology to analyze genetic and protein sequences retrieved from appropriate databases. (2 hours lecture, 3 hours computer laboratory) (Same as CHEM 473)

**474 Natural History of the Vertebrates (4)**

Prerequisites: completion of biology lower-division core. Natural history of the vertebrates. Observation, identification, behavior, ecology and distribution of the vertebrates. (2 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

**475 Ichthyology (4)**

Prerequisites: completion of biology lower-division core. Systematics, evolution, morphology, physiology, ecology and behavior of fishes. (2 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

**476 Herpetology (4)**

Prerequisites: completion of biology lower-division core. Biology, structure, physiology, ecology, distribution, identification, collection, evolution and behavior of amphibians and reptiles. (2 hours lecture, 6 hours laboratory or fieldwork; weekend field trips may be required)

**477 Advances in Biotechnology (3)**

(Same as CHEM 477)

**478 Mammalogy (4)**

Prerequisites: completion of biology lower-division core. Systematics, evolution, morphology, physiology, ecology and behavior of mammals. (2 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

**479 Ornithology (4)**

Prerequisites: completion of biology lower-division core. Anatomy, physiology, evolution, behavior, and ecology of birds. Laboratory and fieldwork in identification, anatomy, observational techniques and community composition. (2 hours lecture, 6 hours laboratory/fieldwork; weekend field trips may be required)

**480 Advanced Topics in Undergraduate Biology (1-3)**

Prerequisites: upper-division students majoring in biological science and consent of instructor. Current topics, updating of concepts, recent advances and unification of the principles of biology. May be repeated for credit.

**480E SCERP Proseminar (1)**

Prerequisites: selection as a Southern California Ecosystems Research Program (SCERP) Scholar. Increase the experience and skills of SCERP Scholars in working on problems in environmental biology. Discussion of publications, development and presentation of SCERP research. Offered Credit/No Credit only. May be repeated for credit. Not available for graduate degree credit.

**480M MARC Proseminar (1)**

Prerequisite: selection as MARC Fellow. Intended to increase the contact of MARC Fellows with minority scientists of national repute who will present seminars. Fellows will read and discuss relevant primary literature, attend the seminars, and meet with speakers before and after the seminars. May be repeated for credit. (Same as CHEM and PSYC 480M)

**481 Advances in Evolution and Ecology (3)**

Prerequisites: BIOL 314 or 325. Current topics in evolutionary biology and ecology. Examination and analysis of current literature relating to evolutionary biology, population, community, and ecosystem ecology, behavioral ecology and evolutionary ecology.

**482 Capstone Studies in Biology (2)**

Prerequisite: consent of department; for Biological Science majors with completion of 90 units. Individualized practical experience related to the study of biology or pursuit of a biology career that reflects paradigms of the discipline. Application and integration of biological concepts and skills through library research, applied projects or community service activities. Not available for graduate degree credit.

**495 Biological Internship (3)**

Prerequisites: successful completion of 90 units, including all core requirements, and consent of instructor. Biological, ecological, and health-related fields. Ninety (90) hours of practical experience in student's chosen field of interest with public or private agencies or businesses. May not be repeated for credit. (1 hour lecture/discussion, 6 hours laboratory work experience)

**496 Biology Tutorials (1-3)**

Prerequisites: completion of biology lower-division core and consent of instructor. Supervised experience in biological science teaching through tutoring or assisting in a laboratory or field class. No credit toward biological science major.

**498 Senior Thesis (2)**

Prerequisite: 6 units of BIOL 499L (two units may be taken concurrently). Thesis committee must approve research plan at least two semesters prior to enrollment in this course. Requires preparation, presentation and defense of a formal thesis.

**499L Independent Laboratory Study (1-3)**

Prerequisite: junior or senior standing with consent of instructor with whom the student wishes to pursue independent laboratory study in biology. May be repeated for credit.

**500A Professional Aspects of Biology (1)**

Prerequisites: graduate standing and concurrent enrollment in BIOL 500B. Discussions concerning research protocol, scientific methodology and communication techniques. Ethics and social responsibilities of professional biologists. (1 hour discussion)

**500B Professional Aspects of Biology (1)**

Prerequisites: graduate standing and concurrent enrollment in BIOL 500A. Individualized project work and experiences in scientific writing. Required of all students upon admission to the graduate program. (3 hours project work)

**500C Professional Aspects of Biology: Teaching Effectiveness (2)**

Pre/corequisites: graduate standing; must have received a Graduate Teaching Associate appointment. Assists graduate students in becoming effective classroom teachers and understanding the scholarship of teaching in higher education. Graduate Teaching Associates will learn pedagogy and a variety of teaching alternatives while concurrently teaching in a laboratory/discussion setting.

**505T Seminar in Molecular, Cellular, Immunological and Physiological Biology (3)**

Prerequisite: graduate standing. Selected advanced topics. May be repeated for credit.

**517T Seminar in Ecological and Organismic Biology (3)**

Prerequisite: graduate standing. Selected advanced topics. May be repeated for credit.

**520T Seminar in Microbiology (3)**

Prerequisite: graduate standing. Selected advanced topics. May be repeated for credit.

**547 Ethnobotany (3)**

Prerequisites: graduate standing. An ethnobotanical investigation of plants and human culture. Develop skills to conduct original ethnobotanical research through voucher collections, plant identification, participant observation, interviews, experimentation and critique of scholarly research. (2 hours lecture, 3 hours laboratory, weekend field trips may be required).

**570 Survey of Molecular Biology and Pharmacology/Toxicology (3)**

Prerequisites: enrollment in the Program for Applied Biotechnology Studies (PABS) Master of Biotechnology (MBt) degree program or consent of instructor, and MGMT 540. Corequisites: concurrent enrollment in two other PABS MBt degree survey courses: Survey Mathematical Modeling and Bioinformatics (BIOL 571), and Survey Pharmaceuticals and Biomedical Device Engineering (BIOL 572). Overview of molecular biology, pharmacology and toxicology concepts as applied to the development of pharmaceutical products and biomedical devices. Students work collaboratively toward a final project to propose a new pharmaceutical product and/or biomedical device.

**571 Survey of Mathematical Modeling and Bioinformatics (3)**

Prerequisites: enrollment in the Program for Applied Biotechnology Studies (PABS) Master of Biotechnology (MBt) degree program or consent of instructor, and MGMT 540. Corequisites: concurrent enrollment in two other PABS MBt degree survey courses: Survey Molecular Biology and Pharmacology/Toxicology (BIOL 570), Survey Pharmaceuticals and Biomedical Device Engineering (BIOL 572). Introduction to the strategies, approaches and computer application utilized for drug discovery and design, database design and data mining. Case studies will illustrate specific applications of the methods of measuring, visualizing, representing, inferring, clustering classifying, and modeling biotechnological data.

**572 Survey of Pharmaceutical and Medical Devices Technology (3)**

(Same as Computer Science 572)

**580 Advanced Topics in Graduate Biology (1-3)**

Prerequisites: graduate standing in biology and consent of instructor. Current research topics, experimental design and problem solving in biological systems. May be repeated for credit.

**598 Thesis (1-3)**

Open to graduate students with consent of instructor with whom the student is conducting graduate thesis research. May be repeated for a maximum of 6 units of credit.

**599 Independent Graduate Research (1-3)**

Open to graduate students with consent of instructor with whom the student wishes to pursue independent study in biology. May be repeated for credit.

# Business Administration

Mihaylo College of Business and Economics

## ASSOCIATE DEAN, ACADEMIC PROGRAMS AND FACULTY DEVELOPMENT

Mark Hoven Stohs

## ASSISTANT DEAN, ACADEMIC SERVICES

Robert Miyake

## BUSINESS ADVISING CENTERS

Undergraduate Program Advising  
Steven G. Mihaylo Hall 1201  
657-278-2211

Irvine Campus, 657- 936-1650

Graduate Program Advising  
Steven G. Mihaylo Hall 3280  
657-278-3622

## COLLEGE WEBSITE

[www.business.fullerton.edu](http://www.business.fullerton.edu)

## PROGRAMS OFFERED

Bachelor of Arts in Business Administration

Concentrations in: Accounting, Business Economics, Entertainment and Tourism Management, Entrepreneurship, Finance, Information Systems, Management, Management Science and Marketing

Joint Emphasis in Accounting and Finance

Minor in Business Administration

Minor in Entrepreneurship

Minor in Information Systems

Master of Business Administration

Concentrations in: Accounting, Business Economics, Business Intelligence, Entrepreneurship, Finance, Information Systems, International Business, Management, Management Science and Marketing

## FACULTY

Kathy Brzovic, April Franklin, Linda Fraser, Marcia Lichty, Dana Lowey, Teeanna Rizkallah

## INTRODUCTION

This major prepares students for beginning professional-level positions in business and administration in the private and public sectors. Career opportunities range from accounting, cost analysis, marketing research and statistical forecasting to real estate, personnel, sales and information systems. This curriculum also provides a foundation for advanced study.

## BACHELOR OF ARTS IN BUSINESS ADMINISTRATION

### Admission to the Business Administration Major

Admission to the Business Administration major involves two steps. Students who apply to the major are initially classified as Pre-business. After completing the lower-division core requirements with grades of at least “C” (2.0), students may apply to the Business Administration major.

All of the following requirements must be met for the degree. Students must earn a grade of at least “C” (2.0) in each core course listed below. For assistance in interpreting these requirements, contact the Business Advising Center.

The Bachelor of Arts in Business Administration requires a minimum of 120 units. Students must fulfill all requirements for the major, General Education, all other University requirements and free electives.

### Required Lower-Division Core Courses

Accounting 201A Financial Accounting (3)

Accounting 201B Managerial Accounting (3)

Business Admin 201 Business Writing (3)

Econ 201 Principles of Microeconomics (3)

Econ 202 Principles of Macroeconomics (3)

Management 246 Business and Its Legal Environment (3)

InfoSys/DecSci 265 Introduction to Information Systems and Applications (3)

Math 135 Business Calculus (3)

OR Math 130 Short Course in Calculus (4)

OR Math 150A Analytic Geometry and Calculus (4)

### Required Upper-Division Core Courses

Business Admin 301 Advanced Business Communication (3)

Econ 310 Intermediate Microeconomic Analysis (3)

OR Econ 315 Intermediate Business Microeconomics (3)

OR Econ 320 Intermediate Macroeconomic Analysis (3)

Finance 320 Business Finance (3)

Management 339 Principles of Management and Operations (3)

Management 340 Organizational Behavior (3)

InfoSys/DecSci 361A Quantitative Business Analysis:  
Probability and Statistics (3)

InfoSys/DecSci 361B Quantitative Business Analysis:  
Statistics and Management Science (3)

Marketing 351 Principles of Marketing (3)

### Required Capstone Core Course

After completing all lower and upper-division core courses, take:  
Management 449 Seminar in Strategic Management (3)

### Required Concentration Courses

A minimum of 18 units of coursework is required in one concentration. See listing of concentration requirements below.

### Global Business Requirement

Complete one three-unit course in the area of Global Business. The course must be selected from the list of Approved Global Business Courses and may not be a course in your concentration. The approved list is available in the Business Advising Center.

### Other Requirements, Grades and Residence

Grade-Point Average (GPA). Maintain at least a 2.0 grade point average in all college level units attempted, in all units attempted at CSUF, in all units attempted in the major and in all units attempted in the concentration. Earn at least a “C” (2.0) grade in each core course and in each of the following concentrations: accounting, information systems and management science. A grade of “C-” (1.7) or lower is not a passing grade.

Grade option. Take all required core courses and all required concentration courses in the Mihaylo College of Business and Economics for a letter grade (A,B,C,D,F). The Credit/No Credit grading option may not be used for these courses, and a grade of CR (credit) will not satisfy the requirements for the degree. Exception: Courses in calculus may be taken under the Credit/No Credit grading option; however, if it is also taken to meet general education requirements then it must be taken for a letter grade.

Residence. At least 30 units in the major and at least one-half of the units in the concentration (except accounting, which requires 15) must be taken in residence in the Mihaylo College of Business and Economics; at least 15 of the last 24 units before graduation must be taken in residence in the Mihaylo College of Business and Economics.

### Concentrations for the B.A. in Business Administration

Business administration majors must complete the requirements of one concentration in addition to the degree requirements listed above.

### ACCOUNTING CONCENTRATION (21 UNITS)

Accounting 301A,B Intermediate Accounting (3,3)

Accounting 302 Cost Accounting (3)

Accounting 307 Accounting Information Systems (3)

Accounting 308 Concepts of Federal Income Tax Accounting (3)

*And two courses from the following (6 units):*

Accounting 401 Advanced Accounting (3)

Accounting 402 Auditing (3)

Accounting 403 Accounting for Governmental and  
Nonprofit Entities (3)

Accounting 405 Fraud Detection (3)

Accounting 408 Problems in Taxation (3)

Accounting 420 Advanced Cost Accounting (3)

Accounting 422 Internal Audit and Control (3)

Accounting 460 Seminar in Financial Statement Analysis (3)

Accounting 470 Tax Research, Practice and Procedures (3)

### BUSINESS ECONOMICS CONCENTRATION (18 UNITS)

All students with an economics concentration are required to take Econ 310 Intermediate Microeconomic Analysis (3) or Econ 315 Intermediate Business Microeconomics (3) as part of their business administration core requirements. In addition, the concentration requires Econ 320 Intermediate Macroeconomic Analysis (3), Econ 340 Economic Research Methods (3) and 12 units of upper-division economics electives, 6 units of which must be at the 400 level.

Students interested in economics also may wish to consider the Bachelor of Arts in Economics.

### ENTERTAINMENT AND TOURISM MANAGEMENT CONCENTRATION (18 UNITS)

#### Required courses (15 units)

Accounting 364 Entertainment Accounting (3)

Management 365 Entertainment Business (3)

Management 446 Entertainment Business Law (3)

Management 470 Media Entertainment Business (3)

Management 471 Live Entertainment Business (3)

Interdisciplinary Electives (3 units from the following)

Communications 446 Entertainment and Society (3)

Communications 447 Tourism and Travel (3)

Management 435 Management of Service Organizations (3)

Management 444 Project Management (3)

Marketing 430 Sports Marketing (3)

Marketing 465 Managing Services Marketing (3)

Radio-TV-Film 480 Management in RTVF (3)

Theatre 351 Theatre Management (3)

### ENTREPRENEURSHIP CONCENTRATION (18 UNITS)

Accounting 463 Financial Controls for Entrepreneurs (3)

Management 461 Entrepreneurial Management (3)

Management 464 Entrepreneurial Leadership (3)

Management 465A New Venture Creation and Funding (3)

Management 465B New Venture Launch (3)

Marketing 462 Marketing for Entrepreneurs (3)

### **FINANCE CONCENTRATION (18 UNITS)**

#### **Required Courses (6 units)**

Finance 332 Theory of Corporate Finance (3)

Finance 340 Introduction to Investments (3)

OR Finance 342 Capital and Money Markets (3)

#### **Electives (12 units)**

Students must complete 12 units of elective courses in finance. Students are encouraged to choose as many courses as possible from one of the following and are expected to consult with faculty advisers when selecting courses.

#### **Corporate/International Financial Management Track**

Finance 331 Working Capital Management and Computer Applications (3)

Finance 335 Financial Analysis for Investors and Lenders (3)

Finance 342 Capital and Money Markets (3)

Finance 370 International Business Finance (3)

Finance 371 Export-Import Financing (3)

Finance 373 Asia-Pacific Financial and Security Markets (3)

Finance 432 Financial Forecasting and Budgeting (3)

Finance 433 Problems in Business Finance (3)

#### **Financial Institutions Track**

Finance 335 Financial Analysis for Investors and Lenders (3)

Finance 342 Capital and Money Markets (3)

Finance 351 Introduction to Real Estate (3)

Finance 352 Real Estate Finance (3)

Finance 370 International Business Finance (3)

Finance 425 Commercial Bank and Financial Institution Management (3)

Finance 444 Options and Futures (3)

#### **Insurance and Financial Service Track**

Finance 335 Financial Analysis for Investors and Lenders (3)

Finance 342 Capital and Money Markets (3)

Finance 360 Principles of Insurance (3)

Finance 410 Theory and Practice of Personal Financial Planning (3)

Finance 411 Retirement and Estate Planning (3)

Finance 461 Business Property and Liability Risk Management (3)

Finance 462 Life and Health Insurance (3)

### **Investments/Financial Planning Track**

Finance 335 Financial Analysis for Investors and Lenders (3)

Finance 342 Capital and Money Markets (3)

Finance 355 Real Estate Investment Analysis (3)

Finance 360 Principles of Insurance (3)

Finance 410 Theory and Practice of Personal Financial Planning (3)

Finance 411 Retirement and Estate Planning (3)

Finance 442 Advanced Investment Analysis (3)

Finance 444 Options and Futures (3)

*Note:* To be eligible to sit for the Certified Financial Planner Examination, students must take all of the following: Finance 340, 355, 360, 410, 411 and Accounting 358.

### **REAL ESTATE PROFESSIONS TRACK**

Finance 351 Introduction to Real Estate (3)

Finance 352 Real Estate Finance (3)

Finance 353 Real Estate Valuation (3)

Finance 355 Real Estate Investment Analysis (3)

Finance 454 Real Estate Market Analysis (3)

Finance 456 Property Development and Management (3)

*Note:* To be eligible to sit for the Real Estate Broker License Examination, students must have completed eight college-level courses, in addition to meeting the experience/educational requirements. Five of the courses are required, including: Real Estate Practice (not offered at CSUF); Legal Aspects of Real Estate (not offered at CSUF); Real Estate Finance (Finance 352); Real Estate Appraisal (Finance 353); and Real Estate Economics (Finance 454). In lieu of Real Estate Economics, the student may complete Econ 201, 202, 361 or Accounting 201A or 201B. In addition to the five required courses, the student is required to complete three courses from a long list of electives, including the following courses offered at CSUF: Real Estate Principles (Finance 351); Advanced Real Estate Finance (Finance 355); Advanced Real Estate Appraisal (Finance 551); and Business Law (Management 246). For detailed information, please visit the California Department of Real Estate website.

### **INFORMATION SYSTEMS CONCENTRATION (21 UNITS)**

InfoSys/DecSci 309 Intro to Operating Systems and Programming (3)

InfoSys/DecSci 310 Systems Analysis and Design (3)

InfoSys/DecSci 408 Database Management Systems (3)

InfoSys/DecSci 409 Business Telecommunications for Information Systems Design (3)

InfoSys/DecSci 454 Seminar in Information Systems Development (3)

*And two courses from the following (6 units):*

InfoSys/DecSci 371 C++ for Business Applications (3)

InfoSys/DecSci 372 JAVA Programming for Business Applications (3)

InfoSys/DecSci 411 Business Application Design (3)

InfoSys/DecSci 414 Internet Technologies and Applications (3)  
 InfoSys/DecSci 415 Principles of Business Intelligence (3)  
 InfoSys/DecSci 418 Privacy and Security (3)  
 InfoSys/DecSci 431 Enterprise Systems Implementation,  
 Configuration and Use (3)  
 InfoSys/DecSci 433 Enterprise Systems Administration (3)  
 InfoSys/DecSci 435 Integrated Enterprise Information Systems (3)  
 InfoSys/DecSci 437 Enterprise Networks for Information Systems (3)  
 InfoSys/DecSci 442 Business Modeling Using Spreadsheets (3)  
 InfoSys/DecSci 474 Data Mining for Managers (3)

### **MANAGEMENT CONCENTRATION (18 UNITS)**

Students in the management concentration must choose one of the following emphases:

#### **General Management (18 units)**

Management 343 Human Resource Management (3)  
 OR Management 443 Team Leadership Skills (3)  
 Management 425 Productivity and Quality Management (3)  
 Management 440 Emerging Issues in Management (3)  
 and nine units of elective coursework to be chosen in consultation with a departmental adviser.

#### **Human Resources Management (18 units)**

Management 343 Human Resource Management (3)  
 Management 432 Staffing (3)  
 Management 434 Compensation (3)  
 Six units of elective coursework to be chosen in consultation with a departmental adviser.

#### **Legal Studies (18 units)**

Management 348 Commercial Law (3)  
 Management 445 Employment Law (3)  
*And 12 units of electives from the following:*  
 Management 346 International Law for Business (3)  
 Management 349 Law for Small Business (3)  
 Management 440 Emerging Issues in Management (3)  
 Management 441 Labor-Management Relations (3)  
 Management 446 Entertainment Business Law (3)  
 Management 447 Internet Legal Issues (3)

#### **Operations Management (18 units)**

Management 422 Production and Inventory Control (3)  
 Management 423 Purchasing and Supply Management (3)  
 Management 425 Productivity and Quality Management (3)  
 and six units of elective coursework to be chosen in consultation with a departmental adviser.  
 Management 430 Integrated Supply Chain Management (3)

### **MANAGEMENT SCIENCE CONCENTRATION (18 UNITS)**

#### **Required Courses (9 units)**

InfoSys/DecSci 309 Introduction to Operating Systems and Programs (3)  
 InfoSys/DecSci 310 Systems Analysis and Design (3)  
 InfoSys/DecSci 440 Integrative Decision Tools for Business Operations (3)  
 OR InfoSys/DecSci 442 Business Modeling Using Spreadsheets (3)

#### **One Course in Statistical Concepts (3 units)**

Electives in Statistics (Students must take at least one course from this category)  
 InfoSys/DecSci 422 Surveys and Sampling Design and Applications (3)  
 InfoSys/DecSci 461 Statistical Theory for Management Science (3)  
 InfoSys/DecSci 467 Statistical Quality Control (3)  
 InfoSys/DecSci 472 Design of Experiments (3)  
 InfoSys/DecSci 473 Applied Statistical Forecasting (3)  
 InfoSys/DecSci 474 Data Mining for Managers (3)  
 InfoSys/DecSci 475 Multivariate Analysis (3)

#### **Electives (6 units) from the following:**

InfoSys/DecSci 408 Database Management Systems (3)  
 InfoSys/DecSci 411 Business Application Design (3)  
 InfoSys/DecSci 415 Principles of Business Intelligence (3)  
 InfoSys/DecSci 465 Linear Programming in Management Science (3)  
 InfoSys/DecSci 490 Queuing and Stochastic Models in Management Science (3)  
 Econ 440 Introduction to Econometrics (3)  
 Finance 360 Principles of Insurance (3)  
 Finance 444 Options and Futures (3)  
 Management 422 Production and Inventory Control (3)  
 Management 430 Integrated Logistics Management (3)  
 Management 444 Project Management (3)  
 Math 390 Introduction to Actuarial Science (3)  
 An additional course in Statistical Concepts (3)

### **MARKETING CONCENTRATION (18 UNITS)**

#### **Required Courses (9 units)**

Marketing 353 Marketing Information Technology (3)  
 Marketing 370 Buyer Behavior (3)  
 Marketing 379 Marketing Research Methods (3)

#### **Electives (6 units) from the following:**

Marketing 401 Professional Selling (3)  
 Marketing 405 Advertising and Promotions Strategy (3)  
 Marketing 415 Managing the Sales Force (3)  
 Marketing 425 Retail Marketing Strategy (3)

Marketing 430 Sports Marketing (3)  
Marketing 445 International Marketing (3)  
Marketing 455 Strategic Internet Marketing (3)  
Marketing 462 Marketing for Entrepreneurs (3)  
Marketing 465 Managing Services Marketing (3)  
Marketing 475 Export Marketing Strategies (3)

#### **Marketing Concentration Capstone Course (3 units)**

Marketing 489 Developing Marketing Strategies (3)

#### **JOINT EMPHASIS IN ACCOUNTING AND FINANCE (30 UNITS)**

Acct 301A Intermediate Accounting (3)  
Acct 301B Intermediate Accounting (3)  
Acct 302 Cost Accounting (3)  
Acct 422 Internal Audit Control (3)  
Acct 460 Financial Statement Analysis (3)  
Fin 332 Theory of Corporate Finance (3)  
Fin 340 Introduction to Investments (3)  
Fin 370 International Business Finance (3)  
Fin 432 Budgeting and Forecasting (3)  
Fin 433 Problems in Business Finance (3)

#### **MINOR IN BUSINESS ADMINISTRATION**

The minor provides a basic understanding of the role of business in society and the methods used by business. This curriculum also provides a basis for advanced study. A working knowledge of algebra is necessary for several of the required courses.

Business administration minors shall not enroll in any required upper-division course (in the minor) until they have completed all of the required lower-division courses (in the minor) with a grade of at least "C" (2.0) in each course. Students must earn a grade of at least "C" (2.0) in each course required for the minor.

#### **Required Lower-Division Courses**

Accounting 201A,B Financial and Managerial Accounting (3,3)  
Econ 201 Principles of Microeconomics (3)  
Econ 202 Principles of Macroeconomics (3)  
InfoSys/DecSci 265 Introduction to Information Systems and Applications (3)  
Management 246 Business and Its Legal Environment (3)

#### **Required Upper-Division Courses**

Special Notice: Enrollment in these courses requires the completion of all lower-division minor requirements with a grade of "C" (2.0) or better in each course.

Finance 320 Business Finance (3)  
Management 339 Principles of Management and Operations (3)  
OR Management 340 Organizational Behavior (3)

Marketing 351 Principles of Marketing (3)

Economics Majors minoring in Business Administration: Economics Majors can complete a minor in business administration by taking Accounting 201B, Management 246, Finance 320, Management 339 or 340 and Marketing 351. All other required courses for the minor are required for the major in Economics.

#### **MINOR IN ENTREPRENEURSHIP\***

The minor in Entrepreneurship provides a basic background in business and entrepreneurship for students majoring in disciplines outside of business. This program will assist students who may wish to pursue careers in smaller, technology-based companies or who may be involved in starting new companies. Students must earn a grade of at least "C" (2.0) in each course listed below.

#### **Required Courses (18 units)**

Accounting 201A Financial Accounting (3)  
Business Admin 210 Understanding Business (3)  
Finance 320 Business Finance (3)  
Management 465A New Venture Creation and Funding (3)  
Management 465B New Venture Launch (3)  
Marketing 351 Principles of Marketing (3)

Advisory Note: Students are advised to have a working knowledge of Excel and to have completed a college-level course in statistics that covers regression prior to enrolling in upper-division courses for the Entrepreneurship minor.

#### **MINOR IN INFORMATION SYSTEMS\***

This minor surveys modern computer methods and the development of information-systems. Emphasis is placed on systems which aid management decision-making. Students must earn a grade of at least "C" (2.0) in each course listed below.

Accounting 201A Financial Accounting (3)  
InfoSys/DecSci 265 Introduction to Information Systems and Applications (3)  
InfoSys/DecSci 309 Introduction to Operating Systems and Programming (3)  
InfoSys/DecSci 310 Systems Analysis and Design (3)  
InfoSys/DecSci 408 Database Management Systems (3)

#### *One of the following:*

InfoSys/DecSci 371 C++ for Business Applications (3)  
InfoSys/DecSci 372 Java Programming for Business Applications (3)  
InfoSys/DecSci 411 Business Application Design (3)

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\*Students with a major in business administration may not minor in entrepreneurship or information systems. Interested students may elect to complete a second concentration in entrepreneurship or information systems.

## CREDENTIAL INFORMATION

The bachelor's degree in Business Administration may be effectively combined with subject matter studies necessary for the single subject teaching credential in business. Undergraduates are encouraged to work with the department adviser and/or the Center for Careers in Teaching (657-278-7130) as early as possible in their academic careers to plan efficient course selections for general education, the major and electives. Postgraduate students should contact the Admission to Teacher Education office in the College of Education (657-278-3352) to obtain information on attending an overview presentation and orientation and then contact the department credential adviser.

## MASTER OF BUSINESS ADMINISTRATION DEGREE

The MBA program in the Mihaylo College of Business and Economics is dedicated to providing a quality program with flexible program options and accessibility. The Mihaylo College of Business and Economics has been successfully transforming students' lives through our MBA program since 1963.

Accreditation is an important measure of our quality. The Mihaylo College of Business and Economics holds dual accreditation in business administration and accounting from AACSB International, the premier accrediting body for university-level business programs in the world. We are the only university in Orange County, and one of five in California, to hold this prestigious level of dual accreditation. Our accreditation guarantees that students receive a high quality education, delivered by the most qualified faculty, all from a College that has met the highest standards in business education.

Depending on personal and professional commitments, students may earn their MBA on a full- or part-time basis. Classes are offered during the late afternoon and evenings, and students may complete their program at either the main campus in Fullerton or at the CSUF Irvine Campus.

Our curriculum reflects a balance of theory and practice. Critical thinking, functional knowledge and applications, as well as workplace problem-solving skills are woven into the educational experience. In addition, our program allows for individual flexibility as students may choose from 11 concentration areas to tailor their degree towards their individual professional, personal and educational goals.

### Admission

Admission into the MBA program is competitive and decisions are based on the holistic assessment of each candidate's academic and personal/professional background. Applicants will be evaluated based on the following criteria:

1. Acceptable bachelor's degree from an appropriately accredited institution
2. Minimum grade-point average of at least 2.5 in the last 60 semester units attempted and in good standing at the last college attended
3. Satisfactory score on the Graduate Management Admission Test (GMAT). Students must score in the top 50 percent on the verbal, quantitative and analytical writing areas

4. For international students, a minimum TOEFL score of 570 on the paper exam, 230 on the computer based exam or 90 on the internet based (iBT) is required
5. Recommendation from the MBA Admissions Committee based upon a review of the above requirements, the student's "Statement of Purpose" and prior work experience

Additional coursework may be required of admitted students who holistically satisfy the criteria but are weak in one of the above areas.

### Application Deadlines

The deadlines for completing online applications are March 1 for the fall semester and October 1 for the spring semester (Students may apply online through <http://www.csumentor.edu>). Mailed applications should be postmarked by the same deadlines. However, deadlines may be changed based upon enrollment projections.

### Program of Study

Students with a bachelor's degree in business administration may be able to complete the program with a minimum of 33 units. However, those students with little or no recent coursework in business administration may require up to 48 total units. The difference is explained below as "Foundation Courses." Each student in the MBA program must complete an adviser-approved Study Plan.

All newly admitted students must demonstrate proficiency in calculus, software applications and statistics either at the time of admission or within their first year of study. The three technical courses listed below or equivalent coursework must be completed with grades of at least a "C" (2.0):

- Math 135 Business Calculus (3)
- InfoSys/DecSci 265 Introduction to Information Systems and Applications (3)
- InfoSys/DecSci 361A Quantitative Business Analysis: Probability and Statistics (3)  
OR InfoSys/DecSci 513 Statistical Analysis (3)

### Foundation Courses

The MBA program at CSUF presumes that all students demonstrate proficiency in the topics covered by the following Foundation Courses, either by having completed the courses or their equivalent before acceptance into the master's program or by taking them as part of their Study Plan. Decisions about equivalency are made by College Advisers and Department Chairs within the Mihaylo College of Business and Economics. Prior coursework may be used to demonstrate proficiency, provided that the proposed equivalent courses are no more than seven years old and that the student has achieved at least a "C" (2.0) grade with an overall GPA of 3.0 (B). The Foundation Courses are:

- Accounting 510 Financial Accounting (3)
- Accounting 511 Seminar in Managerial Accounting (3)
- Economics 515 Microeconomic Perspective for Managers (3)
- Finance 517 Managerial Finance (3)

InfoSys/DecSci 514 Decision Models for Business and Economics (3)  
Management 515 Management of Information in the  
Corporate Environment (3)  
OR Economics 521 Macroeconomic Perspective for Managers (3)  
Management 516 Operations Management (3)  
Management 518 Legal and Ethical Environment of Business (3)  
Management 524 Seminar in Organizational Behavior and  
Administration (3)  
Marketing 519 Marketing Management (3)

### **MBA STUDY PLAN (33-48 UNITS)**

The Master of Business Administration Study Plan requires a minimum of 33 units of adviser-approved coursework. Students electing the International Business concentration must complete a minimum of 36 units of adviser-approved coursework. A minimum 3.0 GPA (B) is required in Study Plan courses and overall applicable coursework. Any Study

Any study plan course with a grade lower than “C” (2.0) must be repeated with at least a “C” (2.0) grade.

### **Required Courses (18 units minimum)**

All MBA students must complete a required core of six adviser-approved courses (18 units). These must be at the 500 level. Up to four additional Foundation Courses may be required for those students who enter the program with a limited background in business fields. All specific required courses are determined in consultation with the College Advisers and/or Department Chairs within the Mihaylo College of Business and Economics.

### **MBA Concentration Elective Courses (12 -15 units)**

A student may elect to follow a Generalist path within the MBA or select from one of the 10 concentration areas to tailor their degree towards their individual professional, personal and educational goals. Concentrations are offered in the following areas: Accounting, Business Intelligence, Economics, Entrepreneurship, Finance, Information Systems, International Business, Management, Management Science and Marketing. All concentrations require four courses from within the thematic area (12 units). A minimum of two of the four courses must be at the 500 level. The International Business concentration requires five courses (15 units). All concentration courses must be approved by the Department Chairs or their designee. The Generalist approach consists of 12 units from differing areas, with no more than two electives from any one disciplinary area. Specific courses in that plan must be approved by the Associate Dean or designee.

Within each concentration, students must complete a minimum of 6 units at the 500 level. Students completing the International Business or Accounting concentration must complete a minimum of 9 units at the 500 level. Note: The accounting concentration electives must cover the following areas: Financial Accounting and Theory, Accounting Information Systems, Auditing and Taxation.

### **Capstone Course (3 units)**

Business Admin 591 Business Strategy Capstone (3)

Students must pass the individual project in Business Admin 591 and complete the course with a grade of “B” (3.0) or better. In exceptional cases, a thesis (Business Admin 598, Thesis) may serve as an option. See the graduate adviser for details.

## **BUSINESS ADMINISTRATION COURSES**

Courses are designated as BUAD in the class schedule.

### **201 Business Writing (3)**

Prerequisite: English 101 or equivalent (with a grade of “C” (2.0) or better). Core communication practices: routing business correspondence, positive, informative, negative, persuasive messages. Introduction to research and job application process.

### **210 Understanding Business (3)**

Nature, dimensions and forms of business and the role of entrepreneurship in business creation and growth. Development of an understanding of contemporary business issues, including an introduction to major business functions.

### **301 Advanced Business Communication (3)**

Prerequisites: English 101, Business Admin 201 and InfoSys/DecSci 265 (or equivalent) with a “C” (2.0) or better. Advanced course in business communication focusing on case analysis, analytical reports, ethics and business presentations.

### **495 Internship (1-3)**

Prerequisites: junior standing, major in Business Administration, consent of the instructor, 2.5 GPA and semester in residence at the university. Planned and supervised work experience. May be repeated for a total of six units of credit. Credit/No Credit grading only.

### **499 Independent Study (1-3)**

Prerequisite: consent of instructor. Open to qualified students desiring to pursue directed independent inquiry. May be repeated for credit. Not open to students on academic probation.

### **501 Managerial Communications (3)**

Investigates the entire process of case studies and formal reports. Students analyze management communication problems, apply writing strategies and deliver executive presentations. May be taken credit/no credit or for a letter grade.

### **591 Business Strategy Capstone (3)**

Prerequisites: classified MCBE status, within six units of completion of study plan and in final semester of program. Tools of strategic management and their application in a business environment. Integrates business functional areas and tools by means of a business consulting project. Fulfills the terminal requirement for the MBA degree.

### **598 Thesis (3)**

Prerequisites: classified MCBE status and consent of the associate dean. Individual research under supervision. See “Theses and Projects” in this catalog for university requirements.