



ECONOMICS

**BACHELOR OF ARTS
MINOR
CERTIFICATE
MASTER OF ARTS**

PROGRAM DESCRIPTION

Economics is a social science that examines the functioning of markets, the determination of prices and distribution of income, and the determination of the overall level of income and rates of unemployment and inflation. In addition, Economics deals with various social problems. The Economics major at CSUS is designed to provide students with a liberal education with special emphasis on the economic aspects of society, on familiarization with techniques for the analysis of contemporary economic problems, and on developing the ability to think critically, to conceptualize and to possess the communication and computer skills to evaluate private and public policy issues.

The Economics program is appealing to students due to the quality of its faculty, the breadth of its course offerings, and the amount of choice it offers the student in planning his or her coursework. In addition to training in the traditional economics areas, the program offers such diverse courses as the California economy, state and local finance, energy, environmental and resource economics, and urban economics. Students find the Department of Economics congenial to their educational and career objectives.

A minor in Economics may be especially attractive to students majoring in Business Administration, Government, Environmental Studies or in one of the other Social Science disciplines. The Economics minor adds both theoretical and analytical depth. In addition, it provides the historical and institutional background important to an understanding of contemporary economic issues. It offers students in other majors a broader-based undergraduate education while widening the choice of job possibilities. Employers view favorably the minor in Economics.

FACULTY

Peter Lund, *Department Chair*

Albert Gutowsky, Kevin Calandri, Smile Dube, Glenn Gambles, John Henry, William Kerby, Susan McGowan, Bette Polkinghorn, Ane Quade, Larry Sander, Daniel Scheel, Terri Sexton, Yung Yang

Nancy Carrillo, *Department Secretary*
Department Office, Tahoe Hall 3028, 278-6223

FEATURES

Students in the CSUS Economics program benefit from a wide range of opportunities to work in the private and public sectors. The Economics Department offers internships for academic credit to students who are interested in the application of economics in the private and public sectors. This kind of practical experience enhances employment opportunities after graduation. Former CSUS Economics students are working at all levels of government and in many private concerns in the fields of finance, real estate, professional services, etc. Some are in the teaching profession, K-12 and community colleges, while others have continued their studies toward the Ph.D. at such institutions as Notre Dame, Washington University at St. Louis and University of California, Davis.

The CSUS Economics faculty is diverse in areas of specialization and draws upon both its advanced academic training and practical experience. Faculty members have published articles, papers, and books, and some enjoy national reputations as experts in their fields. Besides providing a reputable and experienced faculty, the Economics Department offers personal advising for students in the planning and meeting of academic and career goals.

CAREER POSSIBILITIES

Budget Analyst • Economist • Industrial Relations Specialist • Research Economist • Commodity Economist • Development Economist • Manpower Economist • Natural Resource Economist • Economic Forecaster • Commodity Price Forecaster • Market Analyst • Labor Relations Arbitrator • Economic Analyst • Investment Analyst • Energy Economist • Transportation Economist • International Economist • Business Conditions Forecaster • Economic Education Specialist

MAJOR REQUIREMENTS • BA

Total units required for BA: 124

Total units required for Major: 42

Courses in parentheses are prerequisites.

A. Required Lower Division Courses (12 units)

- (3) ECON 1A Intro. to Macroeconomic Analysis
- (3) ECON 1B Intro. to Microeconomic Analysis
- (3) STAT 1 Intro. to Statistics
- (3) Select one of the following:
 - MIS 1A Microcomputer Hardware & Software
 - MIS 1B Spreadsheets
 - MIS 1C Word Processing & Presentation Graphics

B. Required Upper Division Courses (12 units)

- (3) ECON 100A Intermediate Macroeconomic Theory (ECON 1A, 1B)
- (3) ECON 100B Intermediate Microeconomic Theory (ECON 1B)
- (3) ECON 101 History of Economic Thought (ECON 1A, 1B)
- (3) ECON 140 Introduction to Quantitative Economic Analysis (ECON 1A, 1B, 100A/100B, STAT 1) **OR**
- ECON 145 Economic Research Methods (ECON 100A, 100B, STAT 1, successful passage of the WPE; for graduating seniors only)

C. Electives (18 units)

- (18) Additional upper division courses in Economics, selected in consultation with a faculty advisor.

Notes:

- Minimum grade of "C-" required in ECON 100A, 100B, 101, 140, 145.
- MATH 26A or 30, or an upper division course in math or statistics selected in consultation with an advisor may be substituted for three of the 30 upper division units in Economics.
- ECON 104 does not meet the Major's requirements.
- No more than 3 units total of ECON 195, 198, 199 may be included in the 30 required upper division units.
- No more than 3 units from the following set of courses may be used to meet the requirements of the Economics major: ECON 119, 120, 181, 184.
- Students planning graduate work in Economics should consult an adviser regarding additional coursework in mathematics, statistics, and computer science.
- NIGHT STUDENTS: The department schedules courses such that the upper division requirements for the BA can be completed at night within two academic years. Night students should contact the department for assistance in planning a two-year program. Failure to do so may mean a delay in graduation due to scheduling problems.

MINOR REQUIREMENTS

The minor requires 21 units, 12 of which must be upper division Economics units. Specific course requirements are:

- (3) ECON 1A Introduction to Macroeconomic Analysis
- (3) ECON 1B Introduction to Microeconomic Analysis

Notes:

- STAT 1 or MIS 1A/1B/1C or CSC 1 may be counted toward the minor.
- No more than 3 units of ECON 199 and no more than 6 units from the following courses may be used to meet the Economic Minor requirements: ECON 119, 120, 181, 184
- ECON 104, 195 and 198 cannot be used to meet the requirements of the Economics minor.

CERTIFICATE IN ECONOMICS EDUCATION

The Economics Education Certificate Program is designed to give participants a solid foundation in economics that will enable them to teach the subject in primary and secondary schools. The Certificate Program is intended for (1) future or practicing teachers who desire credential authorization to teach the one-semester economics course required of all California public high school students; and (2) future or practicing teachers who wish to infuse economics into other K-12 curricula.

The Certificate Program is also designed for students majoring in Liberal Studies or the Social Science Waiver Program, since some of the program's core courses can be used to fulfill the requirements of these majors, while other courses can be applied towards the fifth-year credential program.

The program consists of a minimum of 16 units. A GPA of at least 2.75 is required for all courses taken in the program. Participants who are not enrolled in CSUS may take these courses through Regional and Continuing Education. For more information about the program, contact the Director of the Center for Economic Education, Dr. William C. Kerby.

A. Required Core Courses: Economics (10 units)

- (3) ECON 104 Introduction to the U.S. Economy
- (3) ECON 106 Applied Problems in International Economics (ECON 104 or 1A)
- (3) ECON 107 Applied Problems in Public Policy (ECON 104 or 1B)
- (1) ECON 109 Applied Problems in Macroeconomics (ECON 104 or 1A)

B. Required Core Courses: Education (3 units)

- (3) A course in Human Development

C. Elective Course: Economics (3 units)

- (3) Select one of the following, with advisor assistance:
 - ECON 113 Economic History of the United States (ECON 104 or 1A)
 - ECON 114 The California Economy (ECON 104; or 1A and 1B)
 - ECON 132 State & Local Government Finance (ECON 104; or 1A and 1B)
 - ECON 135 Money & Banking (ECON 1A; or 104 and 109)
 - ECON 184 Women & the Economy

GRADUATE PROGRAM

The Master of Arts program in Economics is designed to assist students to develop the analytical skills and reflective capacities required to think clearly and coherently about economic matters and to apply their skill and knowledge effectively to problem areas. The program seeks to prepare students for careers where economics is applicable. The department offers coursework and supervised study in economic theory, quantitative analysis, and a number of other fields of interest.

Members of the Economics Department faculty have both academic and practical experience in many areas of Economics. Some faculty members are nationally recognized authorities in their fields, and many are authors of books and articles in professional journals. Faculty members endeavor to establish close relationships with students in order better to serve them in an advisory capacity.

In line with the applied emphasis of the Graduate Program, the department maintains a relationship with both the California state government and many private organizations in the Sacramento area. Recent graduates of the master's degree program have gone on to jobs in government at all levels as well as to careers in labor unions, banks, manufacturing corporations, and other forms of private organizations.

Admission Requirements

Admission as a classified graduate student in Economics requires:

- a minimum 3.0 GPA in the last 60 units attempted;
- a minimum 3.0 GPA in undergraduate Economics work;
- MATH 23 (Business Calculus) or equivalent;
- a minimum overall score of 1500 on the verbal, quantitative and analytical portions of the Graduate Record Examination;
- two letters of recommendation from undergraduate instructors;
- a minimum score of 550 on the TOEFL (This requirement applies only to students earning degrees abroad whose primary language is not English.); and
- a baccalaureate degree.

Students not meeting the above requirements may be conditionally granted classified graduate status with permission of the Economics Department Graduate Committee, providing the applicant submits in writing the reasons why he/she desires graduate training and why the Committee should waive any or all of the above requirements. Students accepted on this basis may be required to complete a set of courses prior to beginning the Economics Graduate core, or to fulfill other conditions prior to advancement to classified status. Failure to conform to this stipulation will result in the revocation of the conditionally classified status.

Admission Procedures

Applications are accepted as long as room for new students exists. However, students are strongly urged to apply by April 1 for the following Fall or October 1 for the following Spring to allow time for admission before the Computer Access Student Phone Entry Registration (CASPER) deadline. All prospective graduate students, including CSUS graduates, must file the following with the CSUS Graduate Center:

- an application for admission and a supplemental application for graduate admission (Forms A and B in the CSU application booklet);
- two sets of official transcripts from all colleges and universities attended, *other than CSUS*;
- Graduate Record Examination (GRE) scores (verbal, quantitative, and analytical portion); and
- TOEFL scores, if applicable.

At the same time, students should send to the Economics Department two letters of recommendation. An applicant who does not meet the first three Admission Requirements as specified above should also submit to the department in writing his/her reasons for requesting a waiver of the admission requirements.

Approximately six weeks after receipt of all items listed above, a decision regarding admission will be mailed to the applicant.

Advancement to Candidacy

Each student must file an application for Advancement to Candidacy as soon as the graduate student has:

- successful completion of ECON 200A, 200B, 200C and 141 with a minimum grade of "B;" and
- been recommended for advancement by the Graduate Committee.

Advancement to Candidacy forms are available in the Graduate Center. The student fills out the form after planning a degree program in consultation with the Economics Department Graduate Coordinator. The completed form is then returned to the Graduate Center for approval.

Degree Requirements

The Master of Arts in Economics requires completion of 30 units of coursework with a minimum 3.0 GPA. ECON 195, 198, 199, and 204 cannot be used as part of the 30 units toward the master's degree. All core courses must be completed with a minimum grade of "B." An outline of degree requirements follows.

A. Core Courses (18 units)

- | | | |
|-----|-----------|---|
| (3) | ECON 141 | Introduction to Econometrics (ECON 1A, 1B, STAT 1; ECON 1A or 1B recommended) |
| (3) | ECON 200A | Economic Theory—Macro |
| (3) | ECON 200B | Economic Theory—Micro |
| (3) | ECON 200C | Advanced Economic Theory |
| (3) | ECON 201 | The Development of Economic Theory |
| (3) | ECON 265 | Applied Economic Analysis (ECON 200A, 200B) |

B. Other Course Requirements (9 units)

- (9) Select 9 units of elective courses from the Economics Department including at least two 200-level courses.

Note the following conditions:

- One, 200-level elective course will be taken in conjunction with ECON 500 — Master's Thesis. A paper developing the theoretical basis for the Master's Thesis will be written in this 200-level elective.
- There can be no 100-level/200-level duplication in these courses (e.g., you cannot receive credit for ECON 130 and 230, ECON 135 and 238, etc.)
- Selected Math, Statistics, or Computer Science courses *may* be allowed as substitutes with the approval of the Graduate Coordinator.
- ECON 295 and 298 do not count as electives toward satisfying the above requirement without the approval of the Graduate Coordinator.

C. Culminating Requirement (3 units)

- (3) ECON 500 Master's Thesis

Course Sequence

To meet the degree requirements, the two-year program is scheduled according to the following course pattern beginning in the Fall semester. Students entering in the Spring semester should consult an advisor.

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|------------------------|------------------------|
| 1. 1st semester | 3. 3rd semester |
| ECON 200A | ECON 265 |
| ECON 200B | ECON elective |
| 2. 2nd semester | 4. 4th semester |
| ECON 200C | ECON 201 |
| ECON 141 | ECON elective |

Foreign Language

A foreign language is not required for the degree. However, students who plan further graduate study are encouraged to take courses in French, German, Russian, or Spanish, as proficiency in one or two of these may be required in doctoral programs.

LOWER DIVISION COURSES

1A. Introduction to Macroeconomic Analysis. An introductory inquiry into the workings and interrelationships of the aggregate economic system. The primary focus is on total production and its distribution, employment and price levels, and the forces influencing them. Other considerations are the roles of government, the monetary sector, and related areas. 3 units. (CAN ECON 2)

1B. Introduction to Microeconomic Analysis. An introductory microeconomic analysis of the workings of supply and demand in the determination of price, resource allocation, and distribution. Markets are analyzed as they affect economic efficiency and income distribution. 3 units. (CAN ECON 4)

UPPER DIVISION COURSES

100A. Intermediate Macroeconomic Theory. An analysis of the determinants of the aggregate level of output, income, employment and prices. Considers policy implications of macro-theory. May be taken independently of ECON 100B. **Prerequisites:** ECON 1A, 1B. 3 units.

100B. Intermediate Microeconomic Theory. An analysis of price, distribution and market structure theories. May be taken independently of ECON 100A. **Prerequisites:** ECON 1B. 3 units.

101. History of Economic Thought. An analysis of the development of economic theory from its origins to the present. The contributions of the principal figures to economic doctrine are appraised. Recommended for social science majors. **Prerequisites:** ECON 1A, 1B. 3 units.

104. Introduction to the United States Economy. An introduction to macro and microeconomic analysis and economic policy. **Note:** not open to students who have had ECON 1A or 1B. 3 units.

106. Applied Problems in International Economics. An analysis of the role of the United States in the global economy, with emphasis on contemporary issues in international trade, finance, investment, and development. **Note:** not open to students majoring in Economics. **Prerequisite:** ECON 104 or 1A. 3 units.

107. Applied Problems in Public Policy. An analysis of the role of government in the economy, focusing on the following issues: income redistribution, protection of the environment, provision of public goods and social insurance, regulation, and taxation. **Prerequisite:** ECON 104 or 1B. 3 units.

109. Applied Problems in Macroeconomics. An analysis of current macroeconomic policy issues, including economic systems, monetary and fiscal policy, unemployment, and the global economy. **Note:** not open to students majoring or minoring in economics or business. **Prerequisite:** ECON 104 or 1A. 1 unit.

110. Introduction to Public Economics. Course discusses why we have government provide economic goods and services. Presents the economic approach to the public provision of goods and services. Examines when public provision is appropriate in a market economy and presents cost-benefit analysis as a method to evaluate public participation in a market economy. **Prerequisite:** ECON 1B. 3 units.

112. European Economic History. An analysis and evaluation of the economic forces and institutions shaping European economic development through the present period. Attention will be paid to the relationship between changes in the economic environment and attendant cultural, political, and ideological developments in the stages of tribalism, slavery, feudalism, capitalism, and socialism. 3 units.

113. Economic History of the United States. A consideration of the economic growth and development of the United States with emphasis on a theoretical analysis of the economic factors shaping the national destiny. **Prerequisite:** ECON 1A or 104. 3 units.

114. The California Economy. This course will examine the process of the development of the State's economy as well as analyze the various public economic issues that are of contemporary concern to Californians. **Prerequisites:** ECON 1A and 1B, or 104. 3 units.

117. Comparative Economic Systems. An examination of the theories of economic organizations and the practice of these organizational systems. Primary attention will be paid to the theory of property rights, the planning debate, and the economic reasons for the successes and failures of both capitalist and socialist economies. These questions will be examined from various theoretical points of view. **Prerequisites:** ECON 1A and 1B, or 104. 3 units.

119. The Canadian Economy. An analysis of the Canadian economy with specific reference to its external linkage with the broader North American economy, to the diversity of its internal economic structure, to its economic institutions, and to the economic policies of the national and provincial governments. **Prerequisite:** ECON 1A. 3 units.

120. Economics and Environmental Degradation. An analysis of the economic environment considered as part of the total environment. Economics as both a cause and cure for environmental destruction. Primarily for non-majors. 3 units.

123. Resource Economics. Analysis of the economic based problem of exhaustion in both renewable and non-renewable resources. Emphasis is given to the optimal use of these resources over time and the effects that various market and non-market factors have on their future availability. **Prerequisite:** ECON 1B. 3 units.

130. Government Finance. An economic analysis of the public sector of the economy and its impact on the allocation of resources and the distribution of income. Emphasis given to the economics of government expenditure and taxation. **Prerequisites:** ECON 1A, 1B; ECON 100B recommended. 3 units.

132. State and Local Government Finance. An analysis of the economics of state and local government finance, with emphasis on California problems. **Prerequisites:** ECON 1A and 1B, or ECON 104. 3 units.

135. Money and Banking. The analysis of money supply determination; the interaction of the money-using public, commercial banks, and the Federal Reserve System; introduction to monetary theory and the impact of money on the level of economic activity; evaluation of monetary policy. **Prerequisites:** ECON 1A, or 104 and 109. 3 units.

140. Introduction to Quantitative Economic Analysis. The course covers the basics of conducting quantitative economic analysis. Included are basic concepts and methods of data analysis and research (including regression analysis), as well as a research practicum based on a preassigned project in economic analysis. **Prerequisites:** ECON 1A, 1B; STAT 1; ECON 100A or 100B. 3 units.

141. Introduction to Econometrics. One-semester introductory course in econometrics, a subject very useful for economics and business research. The course covers the basics of regression analysis in the formulation of regression models, estimation, and forecasting. **Prerequisites:** ECON 1A, 1B, STAT 1; ECON 100A or 100B recommended. 3 units.

142. Introduction to Mathematical Economics. The application of elementary mathematical methods and techniques to both static and dynamic models: applications to both micro- and macroeconomic theory. **Prerequisites:** ECON 1A, 1B; and a semester course in calculus at the university level. 3 units.

145. Economic Research Methods. The course covers the basics of conducting economic research: the selection of topic, literature survey, choice of research method, formulation of hypothesis, testing of hypothesis in the process of empirical analysis, and summary and conclusions. The research methods range from descriptive/historical to quantitative. **Prerequisites:** ECON 100A, 100B, STAT 1 and passing score on the WPE; the course is open to graduating seniors only. 3 units.

150. Labor and Manpower Economics. An economic analysis of manpower development and labor markets with special reference to employment, theory and practice of wage determination, and the roles of organized labor, management, and government. **Prerequisites:** ECON 1A, 1B. 3 units

151. International and Comparative Industrial Relations. Following an historical overview of the industrialization process, this course examines the theories of labor movements and industrial relations systems. The systems of the United States and other advanced industrial societies are compared. The role of developing nations, technological advance, the changing terms of international trade and global political relationships are analyzed. 3 units.

160. Industrial Organization Economics. An analysis of alternative forms of market structure. Models of imperfect competition are present along with landmark decisions and representative case studies of the enforcement of U.S. antitrust laws. **Prerequisite:** ECON 1B. 3 units.

162. Energy Economics. An analysis of the structure, conduct, and consequences of domestic and international energy markets. Particular emphasis on regulated industries including petroleum, electrical, and other power sources. An examination of emerging technology's economic impact on present and future energy markets. **Prerequisite:** ECON 1B. 3 units.

170. Public Economics and Regulation. Presents concepts of public interest in public utilities and transportation. Examines the basis of regulation in North America, deregulation of transporta-

tion, and the scope of public ownership in utilities and transportation industries, and pricing and investment issues in electric power, natural gas, telecommunications, railroads, motor carriers and airlines. Develops relationships among industry buyers, suppliers and government. **Prerequisite:** ECON 1B. 3 units.

180. Urban Economics. Economic analysis and appraisal of models of urban development. Includes consideration of the rise of cities, land use, unemployment, poverty, housing, urban renewal, transportation, and the local public sector. **Prerequisite:** ECON 1B. 3 units

181. Economics of Racism. An economic analysis of the origins and development of racism, and the economic reasons for its maintenance and perpetuation. 3 units.

184. Women and the Economy. An investigation of the current economic status of women in the United States, of past and present economic discrimination experienced by women in the labor market, of the historical reasons for that discrimination and of the means and methods of ending that discrimination. 3 units.

190. International Economic Relations. An analysis of the causes and results of trade among nations. The course examines the impact of trade on domestic and world economies. **Prerequisites:** ECON 1A, 1B. 3 units.

192. International Finance: Theory and Practice. A critical examination of the theories and practices of financing trade among nations. Included is analysis of the problem of international liquidity and approaches to its solution, balance of payment equilibrium control techniques and the operation of international money markets and mechanisms. **Prerequisites:** ECON 1A, 1B. 3 units.

193. Economics of Underdeveloped Countries. An analysis of the factors involved in the growth of economies. Particular attention is given to capital accumulation in economies in various stages of development. The economic problems of the underdeveloped areas of the world are examined and analyzed. **Prerequisite:** ECON 1A. 3 units.

194. Economics-Related Work Experience. Supervised employment in a company or agency working on economics-related work, arranged through the Department of Economics and the Cooperative Education Program. Requires preparation of application packet, completion of a 3-6 month full-time or part-time work assignment, and a written report. **Note:** Students may enroll for no more than 12 total units. Units may not be used to meet the economics major or graduate coursework requirements. **Prerequisites:** open only to upper division or graduate students with appropriate course preparation. Consent of Economics Department faculty coordinator. Credit/No Credit. 6 or 12 units.

195. Economic Internship. Supervised work experience or research on economic topics in government, financial, business, charitable or other kinds of institutions to provide an opportunity for the student to apply principles and theories learned in the classroom to the "real world." Partial supervision may be supplied by persons in the institution under study. Graded Credit/No Credit. 1-3 units.

196. Experimental Offerings in Economics. For current offerings see class schedule; for additional information contact department office. 3 units.

198. Tutoring in Economics. Supervised tutorials at educational institutions including CSUS where and when appropriate arrangements can be made. Prior approval for tutoring must be obtained from the Economics Department. Emphasis is on the development of effectiveness in the teaching of economics. Graded Credit/No Credit. 1-3 units.

199. Special Problems. Individual projects or directed reading. Admission requires approval of the faculty sponsor and the Department Chair. Graded Credit/No Credit. 1-3 units.

GRADUATE COURSES

In addition to specific listed course prerequisites. ECON 100A and 100B or their equivalent are required for enrollment in Economics graduate courses other than ECON 204.

200A. Economic Theory-Macro. An analysis of income and employment theories and theories of consumption, investment, and price level determination. May be taken independently of ECON 200B. 3 units.

200B. Economic Theory-Micro. Theories of choice in the analysis of consumption, production, cost and market structure. May be taken independently of ECON 200A. 3 units.

200C. Advanced Economic Theory. Dynamic models taken from both micro and macro theory will be analyzed. Topics covered include macro growth models, technological change, optimal growth, capital theory and general equilibrium.

Prerequisites: ECON 200A, 200B. 3 units.

201. Selected Topics in the Development of Economic Theory. Critically examines various theoretical developments from an historic standpoint. Topics vary each semester, but may include such issues as value and distribution theory, welfare theory, classical models of development and the development of modern micro and macro theory. Various general perspectives are examined in the context of the topics under investigation. 3 units.

204. Business Economics. An intensive one-semester course covering both macroeconomics and microeconomics. Emphasis is on economic analysis and policy. Course is designed for graduate students who have not taken ECON 1A and 1B or their equivalents. 3 units.

230. Economics of Government Finance. An analysis of the allocation and distribution effects of government expenditures and taxation. **Prerequisite:** ECON 200B. 3 units.

238. Monetary and Fiscal Policy. An analysis of the policies of central bank and fiscal authorities as they relate to full employment and stability of the national economy. 3 units.

241. Applied Econometric Analysis. Applied econometric analysis with emphasis on the use of econometric techniques in actual economic research settings, and expressing economic theory in the form of econometric models, data collection, estimation, and interpretation of results. Students work individually or as a team on a preselected research topic by instructor. Students usually work on a current research topic, chosen from various fields of economics. **Prerequisite:** ECON 141. 3 units.

251. Urban Problems, Economics and Public Policy. Historical development, economics and possible policy solutions of the most pressing problems facing central cities and urban areas in the United States are presented. Problems discussed include poverty, crime, urban abandonment/suburban sprawl, edge cities, deteriorating infrastructures, and fiscal stress. Cross-listed as PPA 251; only one of these course may be counted for credit. 3 units.

265. Applied Economic Analysis. The course examines the theories, foundations, and philosophies of economic welfare; specifically, the basic techniques of analysis will be presented and applied to various policy issues. 3 units.

295. Economic Internship. Supervised work experience or research on economic topics in government, financial, business, charitable or other kinds of institutions to provide an opportunity for the student to apply principles and theories learned in the classroom to the "real world." Partial supervision may be supplied by persons in the institution under study. Does not count toward completion of MA degree requirements. Graded Credit/No Credit. 1-3 units.

296. Experimental Offering in Economics. Content is determined by the needs and interests of those enrolled. Offered whenever a sufficient number of qualified students apply. May be repeated for credit when a different topic is presented. 3 units.

298. Tutoring in Economics. Supervised tutorials at educational institutions including CSUS where and when appropriate arrangements can be made. Prior approval for tutoring must be obtained from the Economics Department. Emphasis is on the development of effectiveness in the teaching of economics. Does not count toward completion of MA degree requirements. Graded Credit/No Credit. 1-3 units.

299. Special Problems. Individual projects or directed reading. Admission requires approval of the faculty sponsor and the Department Chair. Graded Credit/No Credit. 1-3 units.

500. Master's Thesis. Open only to the graduate student who has been advanced to candidacy for the master's degree and who secures the prior approval of the chair of the student's thesis committee. Should be taken in final semester prior to the completion of all requirements for the degree. Credit given upon successful completion of a thesis approved for the master's degree. 3 units.