

Degree Programs: Student Learning Outcomes

College	Degree	Degree Program	Learning Outcome Description
ALSS	BA	Anthropology	Students will become familiar with origins of anthropological theory in all four sub fields of the discipline.
ALSS	BA	Anthropology	Students will become familiar with the basic schools of anthropological thought in the twentieth century.
ALSS	BA	Anthropology	Students will become familiar with the evidence for human biological and cultural evolution.
ALSS	BA	Anthropology	Students will gain experience with basic research methods in anthropology (either socio-cultural or archaeological research methods.)
ALSS	BA	Anthropology	Students will become familiar with the culture of a particular region of the world.
ALSS	BA	Communication	Knowledge: Students will develop and demonstrate critical methods of analysis of messages. Skills: Students will develop and demonstrate competence in advanced critical thinking skills for creation and analysis of communication. Disposition: Students will develop and demonstrate their curiosity and conscience by asking questions for clarity, comparison, and connection and perceptively reflect back their responses.
ALSS	BA	Criminal Justice	Knowledge: Students should acquire general knowledge about the criminal justice system, including familiarity with the criminal law, victimization, the adjudication process, corrections options, police-community relations, evidence, ethics and theory. Skills: Students should acquire certain skills relevant to criminal justice administration, including effective interaction and communication skills, interviewing methods, investigative and research methods, statistical analysis, crime prevention methods, evidence collection, and offender assesment. Disposition: Students should be able to synthesize material from two or more domains to find solutions to practical, theoretical, or ethical questions, or to apply material to novel situations (i.e., critical thinking).
ALSS	BA	English	Students completing the BA degree in English will be able to analyze and interpret various kinds of texts. Students completing the BA degree in English will be able to express their understandings and interpretations in clear and cogent prose. Students completing the BA degree in English will be able to discuss at least one theoretical perspective about language and/or literature. Students completing the BA degree in English will demonstrate knowledge of key English language texts in their options: British and American literature, Creative Writing, Language and Discourse, and New Voices. Students completing the BA degree in English will demonstrate facility with conducting research in traditional/nontraditional ways, including library research, the Internet, and data collections and analysis.

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ALSS	BA	Environmental Studies	Each student recognizes his or her own potential to function as a professional Environmental Manager (whether he or she chooses to become one or not). Each student has acquired a basic knowledge of politics, law, economics, biology, chemistry, geography & geology. Each student has the ability to solve basic quantitative problems. Each student is familiar with the practical/field dimensions of a range of Bay Area environmental problems and issues. Each student has the ability to assist in the preparation of and to critically review EIRs/EIAs. Each student has a solid understanding of the key interrelationships between society, the economy and the environment.
ALSS	BA	Ethnic Studies	Students will demonstrate an understanding of the historical and contemporary experiences of American ethnic minorities as racialized people in the United States. Students will demonstrate the following: A heightened awareness, understanding, and tolerance for racial, gender, and cultural diversity of service populations. An ability to engage people from all backgrounds and cultures in informed discussions about ethnicity and ethical issues. Students will demonstrate a knowledge of interdisciplinary and multidisciplinary models of analysis, and the ability to apply these models to past and contemporary racial and ethnicity issues. A comparative knowledge of the ways in which migrant and immigrants minority groups adjust to U.S. society and the factors that contributed to and/or hindered their success.
ALSS	BA	French	Students of French will be able to express themselves with sufficient accuracy and clarity to carry on a conversation in French with native speakers and to do oral presentations as appropriate to an undergraduate degree. Students of French will be able to express themselves in the written language with a fair amount of sophistication; integrating research information into
ALSS	BA	History	History graduates should know basic analytic concepts that help historians assemble, organize, and interpret evidence.
ALSS	BA	History	History graduates should demonstrate significant knowledge of major events and trends in their area of concentration.
ALSS	BA	History	History graduates should be able to write and speak clearly and persuasively about historical themes.
ALSS	BA	History	History graduates should be able to conduct basic historical research in primary source materials, provide original interpretation of sources, and provide accurate referencing for all sources.
ALSS	BA	History	History graduates should be aware of the contrasts between peoples of different times and places and display a sense of informed perspective and chronology.
ALSS	BA	Human Development	Students will demonstrate core knowledge in a) biological, b) behavioral/mental, and c) contextual aspects of human development

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ALSS	BA	Human Development	Students will demonstrate critical thinking ability to identify similarities, differences, and connections among human development perspectives.
ALSS	BA	Human Development	Students will show ability to reflect critically about new and diverse human development situations outside the university context and apply problem-solving skills to these situations.
ALSS	BA	Human Development	Students will show ability to access knowledge, design and carry out individual and group research projects, and present them clearly, logically and persuasively.
ALSS	BA	International Studies	Comprehension of the interrelationships among the political, economic, cultural and geographic dimensions of international affairs.
ALSS	BA	International Studies	Ability to speak clearly and easily about international affairs in general and about topics of specialized study in particular.
ALSS	BA	International Studies	Demonstration of strong undergraduate writing and research skills on relevant international topics. Demonstration of sustained excellence or growth during the program.
ALSS	BA	International Studies	The ability to function effectively in a multicultural and international setting in an educational, private sector, or non-profit organization.
ALSS	BA	Latin American Studies	Students should have a basic knowledge of Latin American History, including a grasp of major events, details, and timelines as well as an interpretive approach to understanding Latin America's past.
ALSS	BA	Latin American Studies	Students should develop an understanding of the geographic diversity of Mexico, Central America, the Caribbean Islands, and South America, including a background in the geographic dimensions of the physical and human environments, natural resources, their distribution, exploitation, and consumption in Latin America today.
ALSS	BA	Latin American Studies	Students should develop an understanding of the diverse cultural, anthropological, and/or sociological background of Latin America.
ALSS	BA	Latin American Studies	Students should develop an understanding of the rich and diverse cultural heritage and life of Latin America, especially literature, theater, and the plastic and performing arts.
ALSS	BA	Latin American Studies	Students are to integrate their geographical, historical, economical, social, political, and cultural knowledge of Latin America in an interdisciplinary and comparative way.
ALSS	BA	Liberal Studies	Each student is required to demonstrate subject matter competence to a comparable statewide standard across the range of subject matter. Areas of study include reading language and literature; history and social science; mathematics; science; visual and performing arts; physical education; and human development. Each student will demonstrate subject matter competence as required by Education Code Section 51210 and incorporated in the "California student Academic Content Standards" and the "State Curriculum Framework".
ALSS	BA	Music	Increase rhythm and pitch identification skills in performance and composition.

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ALSS	BA	Music	Develop enriched tone and production in tandem with increased technical skills in performance.
ALSS	BA	Music	Enhance awareness and knowledge of theoretical structures and compositional techniques.
ALSS	BA	Music	Provide historical context and references for students as well as to increase awareness and knowledge of the literature.
ALSS	BA	Music	Increase listening skills and levels of interaction in ensemble performance.
ALSS	BA	Philosophy	Students should be able to read and comprehend complex philosophical texts.
ALSS	BA	Philosophy	Students should be able to offer good philosophical criticism to the positions presented by others.
ALSS	BA	Philosophy	Students should be able to construct their own philosophical positions and present them persuasively to others in dialogue and/or writing.
ALSS	BA	Political Science	Political Science graduates will acquire the technologies for skillfully reading and interpreting different types of writing, such as textbooks, scholarly books and journal articles, case law, newspaper articles, government documents (including those that employ statistics), and original philosophical texts.
ALSS	BA	Political Science	Graduates will be able to assess information, including demonstrating the ability to distinguish between the central and peripheral aspects of a piece of writing, and between well-substantiated arguments and unsupported assertions.
ALSS	BA	Political Science	Graduates will be able to write knowledgeably, correctly, clearly and logically.
ALSS	BA	Sociology	Ability to write a clear and concise sociological analysis of a social event, topic, issue, or problem.
ALSS	BA	Sociology	Ability to comprehend and apply sociological theories and concepts.
ALSS	BA	Sociology	Ability to employ a sociological research method to answer a sociological question.
ALSS	BA	Spanish	Students of Spanish will be able to express themselves with sufficient accuracy and clarity to carry on conversations in Spanish with native speakers and to give oral presentations appropriate to the Undergraduate level. Students of Spanish will be able to express themselves in the written language with a fair amount of sophistication, integrating research information into written assignments while giving adequate credit to the sources of information used. Students of Spanish will be familiar with the major writers, periods, and genres of Spanish and Spanish American literature (Spain, Mexico, Central America, the Caribbean, South America, and other Spanish speaking regions throughout the world). The students should be able to relate the works and genres to the socio-historical context in which they developed. Students of Spanish will demonstrate that they have acquired knowledge of the cultural diversity of literatures in the Spanish speaking world while developing an appreciation of the Spanish and Spanish American cultural contributions to the body of universal culture: literature, art, music, cinema, history, etc.

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ALSS	BA	Theatre and Dance	Students will know how to use research techniques to understand literature, styles, visual art, and historical periods when they are confronted with production problems new to them, including how to use research in the analysis of dramatic literature for creating roles, designs, and concepts for stage production.
ALSS	BA	Theatre and Dance	Students will possess technical skills for creating a complete performance and/or fulfilling creative duties in at least two of the department's production modes.
ALSS	BA	Theatre and Dance	Students will develop means of expression, including written, oral, visual, and performance, to present their ideas in production situations, especially artistic conferences, production meetings, and rehearsal. Visual expression will include the ability to translate both from floor plan to stage and vice versa.
CBE	BA	Economics	Learning Goal 1: Students graduating with a BA in Economics will be able to use economic theory and methods to explain social phenomenon, analyze social problems, and evaluate public policy solutions at the Bachelor's degree level.
CBE	BA	Economics	Learning Goal 2: Students graduating with a BA in Economics will be able to communicate economic ideas orally, in writing, and using computer technologies.
Science	BA	Geological Sciences	Under supervision, to do geologic mapping, or serve as field assistant to a senior geologist.
Science	BA	Geological Sciences	Ability to prepare, under supervision, stratigraphic sections and structural cross sections.
Science	BA	Geological Sciences	Ability to communicate geologic concepts
ALSS	BA/BFA	Art	Ability to develop ideas and create good art works. Ability to apply art fundamentals successfully. Technical proficiency in areas appropriate to degree option. Understands use of medium for expression. Awareness of contemporary and historical art. Awareness of contemporary issues and context for their work.
ALSS	BA/BS	Geography	Each student has developed a broad and deep understanding of the critical factors and fundamental concepts of the discipline of Geography.
ALSS	BA/BS	Geography	Each student has the ability to communicate orally and in writing.
ALSS	BA/BS	Geography	Each student has a solid understanding of regional and global affairs.
ALSS	BA/BS	Geography	Each student is familiar with the urban and rural geography of the Bay Area.
ALSS	BA/BS	Geography	Each student is able to prepare, use and interpret maps and other spatial data with and without the aid of computers.
Science	BA/BS	BA-Chemistry (option Biochemistry) BS-Biochemistry	Biochemistry students should have a solid background in the various areas of chemistry; general chemistry, analytical (quantitative) chemistry, organic chemistry, and physical chemistry. They should have a mastery of these subjects
Science	BA/BS	BA-Chemistry (option Biochemistry) BS-Biochemistry	Biochemistry students should have a solid background in biochemistry. They should have a mastery of this subject, the primary focus of the major.
Science	BA/BS	BA-Chemistry (option Biochemistry) BS-Biochemistry	Biochemistry students should have a solid background in modern biochemistry laboratory methods and procedures. They should have a mastery of this subject.

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Science	BA/BS	Chemistry	Chemistry students should have a strong background in lower division advanced mathematics (calculus), physics, and computers.
Science	BA/BS	Chemistry	Chemistry students should have a solid background in the various areas of chemistry; general chemistry, analytical (quantitative) chemistry, organic chemistry, and physical chemistry. They should have a mastery of these subjects.
Science	BA/BS	Chemistry	Chemistry students should have a solid background in modern chemistry laboratory methods and procedures. They should have a mastery of this subject.
ALSS	BS	Environmental Science	Students will demonstrate literacy of the principles of form, function and organization of organisms at the levels of: molecules, cells, tissues, organs, organisms, populations, communities and ecosystems. Students will demonstrate knowledge of the fundamental principles of chemistry, chemical structure, bonding, equilibrium, dynamics, and reactions, as well as classes of organic compounds and reactions. Students will understand the nature and distribution of earth materials, the processes by which the materials are formed and altered, the nature and development of the landscape, and interpretation of earth history. Students will demonstrate knowledge of the major components of the physical environment, including landforms, climate, vegetation, and soils. Students will demonstrate scientific literacy and ability to engage in scientific inquiry concerning environmental issues through the evaluation and analysis of scientific literature, and presentation of results in written and oral form.
EAS	BS	Kinesiology and Physical Education	Demonstrate knowledge of and skill in a broad variety of motor skill and fitness activities
EAS	BS	Kinesiology and Physical Education	Understand the biological and physical bases human movement with an emphasis on sport and exercise phenomenon
EAS	BS	Kinesiology and Physical Education	Understand the behavioral and psychological bases of human movement with an emphasis on sport and exercise phenomenon
EAS	BS	Kinesiology and Physical Education	Understand how motor skills are acquired and refined
EAS	BS	Kinesiology and Physical Education	Understand developmental basis of human movement with an emphasis on sport and exercise phenomenon
EAS	BS	Kinesiology and Physical Education	Be able to use and apply measurement instruments and principles for qualitative and quantitative assessment of human movement with an emphasis on sport and exercise phenomenon
EAS	BS	Kinesiology and Physical Education	Apply critical thinking, writing, reading, oral communication, quantitative and qualitative analysis and information management skills to movement related questions
EAS	BS	Kinesiology and Physical Education	Be able to use computer and other technology to support inquiry and professional practice in movement related fields
EAS	BS	Kinesiology and Physical Education	Understand the scientific method and other systematic ways of knowing relative to research and scholarship in human movement with emphasis on sport and exercise phenomenon

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EAS	BS	Kinesiology and Physical Education	Demonstrate ability to integrate multidisciplinary knowledge bases of Kinesiology in an applied, problem-solving context
EAS	BS	Kinesiology and Physical Education	Be familiar with standards, ethics, and expectations of professional communities related to human movement with emphasis on sport and exercise phenomenon.
EAS	BS	Recreation	Recreation graduates will be able to treat all people with dignity and respect while promoting and encouraging individuals, communities and organizations to achieve the highest quality of
Science	BS	Computer Science	Students possess the technical competence to design and implement a computer program of reasonable size and complexity using accepted software engineering design principles.
Science	BS	Computer Science	Students possess a fundamental understanding of computer science theory including principles underlying algorithm design and analysis, computer architecture, operating systems, and programming languages.
Science	BS	Computer Science	Students possess the ability to work in teams and to communicate effectively with colleagues, both orally and in writing.
Science	BS	Computer Science	Students are prepared for successful employment upon graduation, or for seeking advanced degrees, if that is their goal.
Science	BS	Engineering	Knowledge in the core industrial engineering areas (probability and statistics, work design and measurement, human factors, operations research and manufacturing systems.)
Science	BS	Engineering	Knowledge in broad areas of industrial engineering beyond the core areas.
Science	BS	Engineering	Proficiency in developing solutions to problems involving systems integration.
Science	BS	Engineering	Ability to communicate effectively.
Science	BS	Engineering	Ability to function in teams.
Science	BS	Engineering	An awareness of the complex environment (involving professional and ethical responsibilities) in which they will practice their profession.
Science	BS	Engineering	Ability to educate themselves and be prepared for lifelong learning and professional development.
Science	BS	Engineering	Experience in solving real life problems.
Science	BS	Engineering	A broad education necessary to understand the impact of engineering solutions in a societal context.
Science	BS	Geological Sciences	Ability to do independent geologic mapping, including preparation of a geologic map, legend, and geologic history.
Science	BS	Geological Sciences	Ability to prepare, draft, and describe a stratigraphic section.
Science	BS	Geological Sciences	Ability to describe and explain the structural geology of a region.
Science	BS	Geological Sciences	Ability to communicate geologic concepts
Science	BS	Mathematics	Students possess technical competence to solve problems in undergraduate mathematics; to develop and analyze models arising from mathematics, science, and engineering; and to read and create proofs.

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Science	BS	Mathematics	Students possess a fundamental understanding of mathematics theory including the role of precise definitions and proofs.
Science	BS	Mathematics	Students are able to work effectively both individually and in groups.
Science	BS	Mathematics	Students have an ability to communicate effectively, both in written and oral form.
Science	BS	Nursing	Synthesize knowledge from the natural, behavioral sciences and the humanities with current nursing knowledge and theory to deliver nursing care.
Science	BS	Nursing	Provide safe, compassionate nursing care to a diverse client population.
Science	BS	Nursing	Use critical thinking and communication skills to develop partnerships with clients and other health care professionals.
Science	BS	Nursing	Function as a client advocate in the health care system.
Science	BS	Nursing	Teach clients about the health care system and restoration, maintenance, and promotion of health.
Science	BS	Nursing	Use leadership and management skills to provide care in the context of nursing teams.
Science	BS	Nursing	Use research findings to design high quality, cost-effective care.
Science	BS	Nursing	Demonstrate responsibility and accountability for design, delivery, and evaluation of client care.
Science	BS	Nursing	Practice in a manner consistent with the ANA Code of Ethics for Nurses.
Science	BS	Nursing	Participate in processes designed to improve health care and health care delivery as an individual and/or as a member of a professional organization.
Science	BS	Nursing	Demonstrate commitment to continuous learning to promote personal and professional growth.
Science	BS	Nursing	Demonstrate professional behaviors in interactions with clients, families, colleagues, and the public.
Science	BS	Physics	Ability to do advanced calculations and solve technical problems in experimental physics.
Science	BS	Physics	General grasp of theoretical principles and their application in particular problems.
Science	BS	Physics	Ability to work productively and creatively in both individual and groups situations.
Science	BS	Physics	Habit of critical thinking.
Science	BS	Psychology	Develop scientific thinking and methodological skills
Science	BS	Psychology	Master the content and theory of the field of psychology
Science	BS	Psychology	Apply psychology and prepare for careers
EAS	BS	Recreation	Recreation graduates should know the importance of psychological, social, spiritual, and physiological benefits of leisure, recreation, play, hospitality and community services.
EAS	BS	Recreation	Recreation graduates should demonstrate significant knowledge of innovative and creative program planning, leadership, program implementation and evaluation addressing the needs of participants and community.

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EAS	BS	Recreation	Recreation graduates should be able to clearly articulate (speak and write), ethical, philosophical, historical, current best practices and administrative foundations of our profession.
EAS	BS	Recreation	Recreation graduates should be able to conduct research in our profession, analyze data and draw conclusions based on evidence and provide accurate referencing for all sources.
Science	BS	Health Sciences	Students will integrate knowledge from general education courses and will synthesize from the biological, physical, social and health sciences.
Science	BS	Health Sciences	Students will select an option area of study in the health sciences and will apply skills gained in computing, speaking, writing, analysis, critical thinking and knowledge synthesis to the management of their careers in the health sciences.
Science	BS	Health Sciences	Students will apply management and communication skills to work effectively in teams, partnerships, and larger groups toward accomplishing goals in health education, health care advocacy, research and grant writing, and other services related to indirect patient care.
Science	BS	Health Sciences	Students will practice the ethics and professional behaviors appropriate to the health professions and incorporate these practices into their interactions with one another as colleagues, with supervisors and staff in the workplace, with diverse and multicultural client groups, and with the general public.
Science	BS	Health Sciences	Students will acquire knowledge of industry standards pertinent to their specialty area in the health sciences and will maintain best practices through membership in the appropriate professional associations and through continuing education and lifelong learning.
Science	BS	Statistics	Interpretive and basic computational skill in: descriptive statistics and graphical displays; hypothesis testing and confidence intervals; modeling and error analysis
Science	BS	Statistics	Ability to communicate to others results involving: descriptive statistics and graphical displays; hypothesis testing and confidence intervals; modeling and error analysis
Science	BS	Statistics	Ability to use appropriate statistical computer software and to decipher standard computer results covering: descriptive statistics and graphical displays; hypothesis testing and confidence intervals; modeling and error analysis
CBE	BS/BA	Business Administration	International/Global Business Perspective: Each student will be able to identify and communicate the variety of risks and opportunities of doing business in a global environment.
CBE	BS/BA	Business Administration	Reasoned Decision-making: Each student will be able to objectively consider issues, identify alternatives, and choose and implement solutions to business problems.
CBE	BS/BA	Business Administration	Communication Capabilities: Each student will be able to communicate in a variety of domains which include writing, speaking, listening, and reading.
CBE	BS/BA	Business Administration	Understanding How Companies Make a Profit: Each student will understand how a business creates value through the integrated production and distribution of goods, services and information, including the prudent use of resources.

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CBE	BS/BA	Business Administration	Market Focus: Each student will have the ability to recognize market needs and the ability to develop new markets.
ALSS	BS/MS	Communicative Sciences and Disorders (Speech Pathology)	Portfolio evidence of clinical competency in 9 disorder areas. Passing score on a national praxis exam. Successful completion of written comprehensive exams.
ALSS	MA	Anthropology	Students will become familiar with and understand the history of anthropology, the body of anthropological theory, how the four fields of anthropology intersect, and current debates in the discipline.
ALSS	MA	Anthropology	Students will understand how anthropology has been and can be used in practice beyond the scope of academic research.
ALSS	MA	Anthropology	Students will develop professional-level, in-depth knowledge of two or more subdisciplines within anthropology (including applied anthropology.)
ALSS	MA	Anthropology	Students will develop expertise in either ethnographic research methods or in archeological field methods.
ALSS	MA	Anthropology	Students will develop the ability to conduct research and compose high-quality reports or papers on their own.
ALSS	MA	English	Students completing the MA degree in English will be able to analyze and interpret various kinds of texts in clear and cogent prose. Students completing the MA degree in English will be able to discuss several theoretical perspective about literature or about applied linguistics (e.g., pedagogy, second language learning). Students completing the MA degree in English (literature) will demonstrate in-depth knowledge of two areas of British/American literature; those in the TESOL option will demonstrate in-depth knowledge of adult ESL pedagogy and the linguistic underpinnings of the enterprise. Students completing the MA degree in English will demonstrate facility with conducting research in traditional/nontraditional ways, including library research, the Internet, and data collection and analysis. Students completing the MA degree in English will demonstrate the ability to learn independently.
ALSS	MA	Geography	Each student will have developed advanced written and communication skills.
ALSS	MA	Geography	Each student will demonstrate the ability to independently and rapidly formulate and conduct thorough and insightful research using a range of literary tools.
ALSS	MA	Geography	Each student will exhibit substantial expertise concerning a particular geographic problem, process and/or region.
ALSS	MA	Geography	Each student will have prepared one or more mentored research project reports or research thesis.

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ALSS	MA	Music	Skill in the composition of works having substantial technical and artistic merit. Skill in the ability to analyze the significant compositional techniques and stylistic elements of musical works representing a broad span of Western music history. Skill in the performance of technically and artistically substantial works of Western European classical music. Skill in the analysis of instrumental and choral music, relating to theory, structural and stylistic concepts used during rehearsal; and the development of advanced conducting techniques.
ALSS	MA	Public Administration	MPA graduates will be able to demonstrate the ability to understand core concepts and theories in public administration, that is, knowing the basic concepts in public administration and their fundamental theoretical presuppositions.
ALSS	MA	Public Administration	Mpa graduates will demonstrate an understanding of the role of theory in public administration, and how to apply these theories toward administrative inquiry.
ALSS	MA	Public Administration	Public Administration graduates will demonstrate the ability to articulate a clear sense of purpose as professionals in the public service.
ALSS	MA	Public Administration	MPA graduates will demonstrate an understanding of interpretive and quantitative research methodologies.
ALSS	MA	Sociology	To be able to write an original sociological analysis.
ALSS	MA	Sociology	To understand the role of theory in sociology and how to apply key concepts in social analysis.
ALSS	MA	Sociology	To be able to employ quantitative and qualitative methods in sociology.
CBE	MA	Business Administration/MBA	Each graduate will use team building and high-performance management behaviors to lead a team task that results in effective team performance.
CBE	MA	Business Administration/MBA	Given a complex business problem, each student will be able to identify, obtain and analyze relevant data acquired from internal and external sources to make recommendations for problem solution.
CBE	MA	Business Administration/MBA	Each graduate will integrate functional areas of business knowledge to generate a strategic business plan or analyze a comprehensive business case.
CBE	MA	Business Administration/MBA	Each student will analyze the global business factors impacting current business issues, and evaluate the effects of these factors on specific management situations.
CBE	MA	Business Administration/MBA	Each student will communicate a complex business issue a coherent written statement and oral presentation.
CBE	MA	Economics	Learning Goal 1: Students graduating with a MA in Economics will be able to use economic theory, methods, and research to explain social phenomenon, analyze social problems, and evaluate public policy solutions at the graduate degree level.
CBE	MA	Economics	Learning Goal 2: Students graduating with a MA in Economics will be able to communicate economic ideas orally, in writing, and using computer technologies

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ALSS	MS	Health Care Administration	HCA graduates will be able to demonstrate the ability to understand theoretical and practical knowledge they need to successfully pursue their health care career goals. HCA graduates will demonstrate an understanding of the role of theory in the study of health care administration. HCA graduates will demonstrate the ability to articulate a clear sense of purpose as professionals in the health care field. HCA graduates will demonstrate an understanding of research and analytical (interpretive and quantitative research methodologies) skills needed to explore new models of health care delivery and organizational design.
CBE	MS	Business Admin:CIS/QBM	Demonstrate knowledge of data modeling, database design and implementation, and database application.
CBE	MS	Business Admin:CIS/QBM	Identify the characteristics, features, structures, benefits and limitations of managerial support systems.
CBE	MS	Business Admin:CIS/QBM	Demonstrate knowledge of basic structures of computer networks as well as their application and management in telecommunication environments.
CBE	MS	Business Admin:CIS/QBM	Reason and analyze decisions from a quantitative perspective.
CBE	MS	Business Admin:CIS/QBM	Choose an appropriate model to solve a problem and be able to analyze, interpret and aid in the implementation of results.
CBE	MS	Business Admin:CIS/QBM	Communicate technical information and results to decision-makers in a simple non-technical manner.
CBE	MS	Taxation	Professional Ethics: Each student can analyze a tax controversy that involves an ethical dilemma invoking potential tax penalties and relevant codes of professional conduct. Each student can choose and defend a reasonable solution.
CBE	MS	Taxation	Corporate Tax Expertise: Each student can analyze a complex situation, identify and research the pertinent tax issues, and appropriately apply the law in a well written memo to the file and letter to the client.
CBE	MS	Taxation	Partnership Tax Expertise: Each student can analyze a complex partnership tax situation, identify and research the pertinent tax issues, and appropriately apply the law in a well written memo to the file and letter to the client.
CBE	MS	Taxation	Research and Problem Solving: Each student can efficiently and effectively research and resolve -- using electronic research resources -- a complex tax issue involving an unfamiliar tax subject.
CBE	MS	Telecommunications (Computer Technologies)	In addition to the student learning outcomes for undergraduate computer science:
CBE	MS	Telecommunications (Computer Technologies)	Students have detailed knowledge of one or more areas of computer science.
CBE	MS	Telecommunications (Computer Technologies)	Students are able to retrieve, read, and understand theoretical material in mathematics, including research papers in journals.
CBE	MS	Telecommunications (Computer Technologies)	Students are able to design, analyze, and manage computer networks, both local and global.

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CBE	MS	Telecommunications (Telecommunications Management)	The Option in Telecommunications Management in the MSTS degree program will provide students with the opportunity to learn business and telecommunications theory, technology and methods and to apply theory, technology and methods to business areas.
CBE	MS	Telecommunications (Telecommunications Management)	MSTS students with an Option in Telecommunications Management will be able to use telecommunications theories, methods and technology to explain business communications phenomenon, analyze communication and network problems, and evaluate solutions at the Master's degree level.
CBE	MS	Telecommunications (Telecommunications Management)	MSTS students with an Option in Telecommunications Management will be able to communicate telecommunications concepts orally, in writing, and using telecommunications technologies.
CBE	MS	Telecommunications (Telecommunications Management)	MSTS students with an Option in Telecommunications Management will be able to locate employment in telecommunications or data processing and to use telecommunications in decision making.
EAS	MS	Education, Option in Curriculum	Identify, describe, and evaluate the multiple factors that influence K-12 curricula in California public schools (e.g., state standards, federal policies, policies of discipline-specific professional organizations).
EAS	MS	Education, Option in Curriculum	Utilize a variety of bibliographic tools to write a comprehensive review of the literature for a topic of professional interest.
EAS	MS	Education, Option in Curriculum	Complete an action research project investigating a topic of professional interest.
EAS	MS	Education, Option in Curriculum	Develop an in-depth understanding of contemporary issues in curriculum and instruction in one of the following patterns: children's literature, elementary education, environmental education, mathematics education, or science education.
EAS	MS	Educational Leadership	Explore leadership theories in general including evaluation of personal leadership knowledge, skills, dispositions and style.
EAS	MS	Educational Leadership	Develop skills to administer and support teaching and learning for equity and high achievement for all students.
EAS	MS	Educational Leadership	Develop systems thinking and strategic approaches to developing a learning community that demonstrates ethical, caring and reflective practice.
Science	MS	Chemistry (Option Biochemistry) and Chemistry (Plan B)	Newly-admitted chemistry graduate students should be prepared and ready to study chemistry at the graduate level.
Science	MS	Chemistry (Option Biochemistry) and Chemistry (Plan B)	Chemistry graduate students should have a solid background in advanced chemistry. They should have a mastery of advanced chemical information.
Science	MS	Chemistry (Option Biochemistry) and Chemistry (Plan B)	Chemistry graduate students should have significant experience in laboratory research methods. Chemistry graduate students should be able to present complex chemical information via oral and written reports.
Science	MS	Chemistry (Option Biochemistry) and Chemistry (Plan B)	Chemistry graduate students should be able to successfully complete a capstone project.
Science	MS	Computer Science	In addition to the student learning outcomes for undergraduate computer science:

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Science	MS	Computer Science	Student have a detailed knowledge of one or more areas of computer science.
Science	MS	Computer Science	Student are able to retrieve, read, and understand theoretical material in computer science, including research papers in journals.
Science	MS	Geological Sciences	Ability to conduct independent geologic research, including preparation of a University Thesis or Project. The result should be of high enough quality to be presented at scientific meetings.
Science	MS	Geological Sciences	Ability to write reports, based on research carried out on behalf of an employer.
Science	MS	Geological Sciences	Ability to evaluate reports written by other earth scientists, and to use written materials and data sets available in the library or on the world-wide-web.
Science	MS	Geological Sciences	Ability to communicate complex geological concepts.
Science	MS	Mathematics	In addition to the student learning outcomes for undergraduate mathematics:
Science	MS	Mathematics	Students have detailed knowledge of one or more areas of mathematics.
Science	MS	Mathematics	Students are able to retrieve, read, and understand theoretical material in mathematics, including research papers in journals.
Science	MS	Statistics	Theoretical, interpretive and basic computational skill in: descriptive statistics, probability, and graphical displays; distributions, hypothesis testing and confidence intervals; uncertainty, likelihood, modeling and error analysis
Science	MS	Statistics	Ability to formulate problem solutions, produce appropriate computer code and to decipher standard computer results covering: descriptive statistics, probability, and graphical displays; distributions, hypothesis testing and confidence intervals; uncertainty, likelihood, modeling and error analysis
EAS	MS	Education, Ed Tech Leadership	Identify, describe, and evaluate a variety of factors that influence integration of technology into K-12 curricula in California public schools. We have developed a four-level evaluation model that follows state and national standards in math, science, language arts, social studies and technology.
EAS	MS	Education, Ed Tech Leadership	Utilize a variety of assignments in our courses to write a comprehensive review of e-learning topics that relate to education as well as the industry. In each course students will be responsive for two mini projects and a final group project.
EAS	MS	Education, Ed Tech Leadership	Propose and complete a research project investigating a topic of professional interest as it relates to education and technology.
EAS	MS	Education, Ed Tech Leadership	Delve into an in-depth understanding of current issues in technology and education in one of the following patterns: e-learning, technology planning and change, Web development, mathematics science and technology, language social studies and technology, or learning theories and the design of e-learning environments.
EAS	MS	Education, Option in Reading Instruction	Complete a required, seven-week experience in the CSU Hayward Summer Reading Clinic; including the assessment of a challenged reader and the development and implementation of a plan of instruction addressing the reader's most pressing needs.
EAS	MS	Education, Option in Reading Instruction	Identify and describe the essential elements of an effective staff development program for K-12 faculty in reading and language arts.

Degree Programs: Student Learning Outcomes

EAS	MS	Education, Option in Reading Instruction	Utilize a variety of bibliographic tools to write a comprehensive review of the literature for a topic of professional interest.
EAS	MS	Education, Option in Reading Instruction	Complete an action research project investigating a topic of professional interest.
EAS	MS	Kinesiology	Demonstrate the ability to read and make critical analysis of original research.
EAS	MS	Kinesiology	Demonstrate the ability to synthesize and critically analyze original research and present their analyses in written and oral formats.
EAS	MS	Kinesiology	Demonstrate an understanding and appreciation of a variety of research methods including both qualitative and quantitative techniques employed in the various sub-disciplines in Kinesiology.
ALSS	MSW	Social Work	MSW level students will be expected to develop a knowledge of and ability to apply research skills and strategies in a variety of social work settings, including the micro, mezzo and macro levels in urban and suburban settings.
ALSS	MSW	Social Work	MSW level students will develop a knowledge of and understanding of inequality, racism, sexism, and other forms of oppression and develop intervention skills and strategies to intervene.
ALSS	MSW	Social Work	MSW level students will develop a knowledge of and understanding of inequality, racism, sexism, and other forms of oppression and develop intervention skills and strategies to intervene.
ALSS	MSW	Social Work	MSW level students will develop a knowledge and understanding of social work intervention theories and knowledge of how to apply them in the practice setting.