- Anthropology, B.A.

1. Summarize the major theories, concepts, terminologies, and approaches to anthropology;
2. Explain the role of evolution by natural selection and adaptation to the natural environment in the development of humans
3. Demonstrate a knowledge of human diversity and cultural interactions and a commitment to honoring that diversity;
4. Assess how the anthropological perspective can be applied in a variety of contemporary settings.
5. Apply the concepts of ethnocentrism and cultural relativism to modern problems;
6. Describe and discuss in an informed manner the ethical issues specific to anthropology;
7. Demonstrate knowledge within the several subfields of anthropology, emphasizing cultural anthropology, archaeology, and biological anthropology, having had elective opportunities to pursue specific interests; and
8. Apply techniques and methods used in collecting and analyzing anthropological information.

- Applied Physics, B.S.

1. Demonstrate understanding of the general principles of physics;
2. Demonstrate quantitative problem-solving skills;
3. Integrate the scientific method into problem-solving and experimentation;
4. Demonstrate critical thinking in the context of physics; and
5. Demonstrate understanding of physics literature such as textbooks, laboratory manuals, and publications geared toward undergraduates.

- Art, B.A. Art Studio Emphasis

1. Demonstrate methods of critical analysis through the analysis, interpretation, and evaluation of works of art;
2. Demonstrate informed understanding and appreciation of the role of art in contemporary society as well as throughout history;
3. Create and express personal ideas and opinions through artwork in response to diverse range oivh6.Demonstrate familiarity with and skill while working with emerging digital art technologies;

7. Demonstrate their preparation for professional artistic practice through the refinement of artistic concept, narrative and technique;

8. Complete in-depth work in specific media and demonstrate advanced competency in artistic production; and
9. Analyze a diverse range of career opportunities in their selected artistic discipline.

- Biology, B.S. 120 units **and** Biology, B.A. 120 units

1. Explain the basic structures and fundamental processes of life at molecular, cellular and organismal levels;
2. Identify the evolutionary processes that lead to adaptation and biological diversity;
3. Describe the relationship between life forms and their environments and ecosystems;
4. Collect, organize, analyze, interpret and present quantitative and qualitative data and incorporate them into the broader context of biological knowledge;
5. Effectively apply current technology and scientific methodologies for problem solving;
6. Find, select and evaluate various types of scientific information including primary research articles, mass media sources and world wide web information; and
7. Communicate effectively in written and oral forms.

11. Explain fundamental principles which underlie modern techniques in biotechnology
12. Demonstrate basic skills in programming, design and management of bioinformatics databases

- Business, B.S.

1. Prepare students for employment in a variety of public and private organizations.
2. Prepare students for further study in graduate or professional schools.
3. Demonstrate critical thinking skills by identifying, evaluating, synthesizing, and presenting issues related to accounting, economics, finance, information systems, management, and marketing.
4. Demonstrate communication skills by writing excellent reports and papers and making effective oral presentations in English.
5.

4. Demonstrate communication, research and cooperation skills by working effectively with others in interdisciplinary group settings both inside and outside the classroom; and
5. Demonstrate a sense of exploration that enables them to pursue rewarding careers in high-tech and biotech industries with lifelong learning.

- Computer Science, M.S.

1. Demonstrate critical thinking, problem solving, and advanced computational skills by identifying, evaluating, analyzing, synthesizing, and presenting fundamental and advanced mathematical and computer science issues and their applications.

12. Design, conduct, and present a Masters thesis or project

- English, B.A.1-20 units

1. Express original and creative ideas in writing and speech;
2. Practice effective editing, including appropriate use of English grammar and usage conventions;
3. Analyze a diversity of texts, ideas, and problems from multiple perspectives (multicultural, interdisciplinary, international, experiential, theoretical and/or educational);
4. Find, evaluate, and synthesize scholarship, research, and information from a variety of sources and disciplines;
5. Articulate an accurate perception of their performance in the program.

- Environmental Science & Resource Management, B.S.

1. Identify the scientific, social scientific, and humanistic aspects of environmental issues;
2. Identify, locate, evaluate, synthesize, and present current research and information on environmental issues;
3. Define environmental problems from the perspectives of both environmental science and resource management;
4. Identify possible causes and propose solutions to environmental problems from the perspectives of both environmental science and resource management;
5. Evaluate proposed solutions to environmental problems from the perspectives of both environmental science and resource management;
6. Use the methodologies of the natural and social sciences to formulate testable hypotheses concerning environmental problems and issues;
7. Collect, organize, analyze, interpret, and present quantitative and qualitative data; and
8. Make use of current, technological tools in the collection, organization, analysis, and interpretation of data.

- Global Studies, B.A120 units

1. Demonstrate knowledge and understanding of the interdisciplinary nature of contemporary global issues, processes, and systems (e.g., issues such as environmental jus ce, immigra on or poverty, processes such as the economic and poli cal interdependency among na ons, and systems such as global governance bodies).
2. Analyze global issues from mul ple viewpoints.
3. Acquire the communica on skills needed to work e ec vely in a global and mul cultural context.
4. Engage in communica ve ac vi es in a second language (other than English) at an intermediate level (following ACTFL language proficiency guidelines).

- Liberal Studies, B.A.

1. Synthesize content knowledge, ideas, and approaches from integrative perspectives across disciplines to examine societal issues;
2. Demonstrate the capacity to lead others in addressing issues of public concern;
3. Examine societal issues from multiple cultural perspectives;
4. Evaluate societal issues in the context of international perspectives;
5. Analyze oral or written communication for accuracy of content, logic of argument, and clarity of reasoning.

- M n

6. Demonstrate a sense of exploration that enables them to pursue rewarding careers in high-tech industries, biotech industries, businesses, education systems, military and local and federal government
7. Demonstrate flexibility, transferability and adaptability of their life-learning skills that are so important n fast changing national and international economy.

- Mechatronics Engineering, B.S.

1. Demonstrate critical thinking and problem solving skills by identifying, evaluating, analyzing, synthesizing and presenting fundamental engineering and technical issues and their applications.
2. Demonstrate the knowledge of current engineering practices and broad technology used in industry, including a working knowledge of software, hardware, robotics, automation and other engineering techniques.
3. Be cognizant of emerging new technologies and industrial practices connected to engineering and demonstrate understanding of the role of various technologies in society.
4. Demonstrate cooperation skills by working effectively with others in interdisciplinary group settings- both inside and outside the classroom.
5. Demonstrate technical and presentation skills and a sense of exploration that enables them to pursue rewarding careers in high-tech and engineering industries.

- Nursing, B.S.

1.

9. Demonstrate effective communication skills conveying accurate information in oral, written, and presentation formats.

- Nursing, M.S.N

1. Utilize knowledge from sciences, humanities, and nursing to promote health, prevent

4. Use electronic and traditional library resources to research key local, state, national and international policy issues and present results;
5.

CSUCI Summary of Program Learning Outcomes for Academic Programs, Fall 2023

1. Achieve intermediate-high to advanced language proficiency in speaking, listening, reading and writing (proficiency levels are defined by the American Council on the Teaching of Foreign Languages).
2. Demonstrate a reasonable understanding of the ways of thinking (ideas, beliefs, attitudes, values, philosophies), behavioral practices (patterns of social interactions), and cultural products (for example, art, history, literature) of the Spanish-speaking world.
3. Demonstrate a basic understanding of various linguistic features of the Spanish language (for example, general dialectal differences and the influence of English on U.S. Spanish).