Chair, Jim Simmons  
Vice Chair, Ron Brown  
Secretary, Barbara Weber

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V. Business Items

A. General Education and Breadth (Wenzl)
General Education and Breadth requirements in the CSU are so designed that, taken with the major depth program and elective units presented by the candidate for the bachelor's degree, they will assure that graduates from the several campuses in the system have made noteworthy progress toward becoming truly educated persons. Particularly, the purpose of the breadth requirements is to provide means whereby graduates:

a) will have achieved the ability to think clearly and logically, to find and critically examine information, to communicate orally and in writing, and to perform quantitative functions;

b) will have acquired appreciable knowledge about their own bodies and minds, about how human society has developed and how it functions, about the physical world in which they live, about the other forms with which they share that world, and about the endeavors and legacies of their civilizations;

c) will have come to an understanding of the principles, methodologies, value systems, and thought processes employed in human inquiries.

General Education at Cal Poly is so designed that, in addition to the objectives mentioned, graduates will have also achieved at least a rudimentary knowledge and understanding of technology.

All the proposed requirements which follow are to be governed by the following general regulations:

1) Except where expressly prohibited, courses taken to satisfy General Education and Breadth Requirements may also simultaneously satisfy requirements in any other portion of the student's curriculum;

2) Cal Poly will have a permanent committee to provide for appropriate oversight and to recommend as necessary concerning the implementation, conduct, and evaluation of the General Education Program.

A. Writing, Speaking, and Critical Thinking (14)

All students must complete ENGL 114 before taking Critical Thinking. Expository Writing and Critical Thinking must be completed before taking SP 201 or ENGL 215 or ENGL 218.

1. ENGL 114 Expository Writing

2. Select one: PHIL 125, SP 125, ENGL 125 Critical Thinking

3. Select one: SP 201 Public Speaking
   SP 200 Principles of Speech

4. Select one: ENGL 215 Intermediate Writing - Argumentation
   ENGL 218 Writing: Argumentation and Reports

B. MATHEMATICS, STATISTICS, AND THE METHODOLOGIES OF SCIENCE (18)

1. All students must complete a minimum of nine units from the approved list of courses in life and physical sciences, at least one course
in each. At least one of the courses selected must include a lab.

2. All students must complete a minimum of two courses in mathematics and statistics, at least one of which must be mathematics.

B.1. Physical and Life Sciences

A. Physical Sciences

Courses may be selected as follows:

- ASTR: Any lower division course and/or ASTR 351.
- CHEM: Any lower division course except 106, 200, 252, and 253.
- GEOL: Any lower division course or 302.
- PHYS: Any lower division course except 100, 134, 137, 200, 206, 207, 256, 257.
- PSC: Any lower division course.

Any upper division physical science course having one of the above as a prerequisite may also be selected with the exception of "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, "Senior Project" courses and CHEM 405, 407, 408, 416, 419; PSC 424, 436.

B. Life Sciences

Courses may be selected as follows:

- BACT 221
- BIO: Any lower division course except 253 and 255.
- BOT: Any lower division course except 238.
- ZOO: 131, 132.

Any 300 level life science course having one of the above as a prerequisite may also be selected with the exception of BIO 321, 342.

B.2. Mathematics and Statistics Courses

Students may select from the courses listed, or any mathematics or statistics courses having one of these as a prerequisite, with the exception of "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, "Senior Project" courses, and the courses mentioned in the following list: MATH 327, 403, 424, 435; STAT 330, 421, 512.

- MATH 114: College Algebra
- 115: Trigonometry for Agriculture
- 118: Pre-Calculus Algebra
- 119: Analytical Trigonometry for Engineers
- 120: College Algebra and Trigonometry
- 328: Modern Elementary Mathematics

- STAT 130: Introduction to Statistical Reasoning
- 211: Elementary Probability and Statistics
- 251: Statistical Inference for Management
- 321: Statistical Analysis
C. LITERARY AND ARTISTIC ACHIEVEMENTS (18)

1. Critical Reading: A minimum of three lower-division courses in literature and philosophy, at least one course in each, selected from the following:

   1. Great Books of World Literature: ENGL 251, 252, 253
   2. Masterworks of English Literature: ENGL 230, 231
   3. The American Tradition in Literature: ENGL 240
   4. Philosophical Classics: PHIL 230-231

2. Fine and Performing Arts: A minimum of one lower-division course selected from the following:

   1. Materials of Music: MUS 101
   2. Appreciation of Music: MUS 204
   3. Introduction to Art: ART 111
   4. Survey of Art History: ART 112
   5. Introduction to Theatre: TH 220

3. Electives in Literature, Philosophy, and the Arts

Select remaining units from courses listed above or from the following list. At least three units must be at the upper-division level. Courses offered by the student's major department cannot be counted in the elective portion of Area C.

Approved List of Courses:

ARCH 317 History of Architecture
    318 History of Architecture
    319 History of Architecture
ART .230X History of Design
   .223 History of Photography
   241 Contemporary Craft Survey
ENGL 350 Modern Novel
    351 Modern Poetry
    352 Modern Drama
    370 World Cinema
    330 Medieval Literature
    331 Renaissance
    332 Enlightenment
    333 Romantic Movement
    334 The Victorians
    339 Shakespeare
    340 American Literature to 1860
    341 American Literature: 1860-1914
    342 American Literature: 1914-Present
    380 Contemporary Literary Ideas
FORL 101 Foreign Language
    102 Foreign Language
    103 Foreign Language
FR 101 Elementary French
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**D. HISTORICAL, POLITICAL, ECONOMIC, AND SOCIAL INSTITUTIONS (18)**

1. **40404 Requirements**
   - POLS 201 American and California Government
   - HIST 204 The Growth of American Democracy

2. **HIST 315 Modern World History**
3. (Select at least one course):
   - ECON 201 Survey of Economics
   - 211 Principles of Economics
   - 222 Macroeconomics

4. (Select at least one course from each group):
   Group A:
   - ANTH 201 Cultural Anthropology
   - GEOG 150 Human Geography
   - SOC 105 Introduction to Sociology

   Group B:
   Courses offered by the student's major Department cannot be counted as satisfying the requirements of D-4, Part B.
   - ANTH 360 Human Cultural Adaptation
   - GEOG 308 Global Geography
   - ECON 304 Comparative Economic Systems
   - ECON 325 Underdevelopment and Economic Growth
   - POLS 370 Contemporary Global Political Issues
   - SOC 309 World Social System and Its Problems
   - SOC 315 Race Relations

   The University requests an exemption for engineering students only from the specific requirements of Area D-4, Part B. The exemption will be for two years during which time an appropriate course for engineering students can be designed.

E. HUMAN BEHAVIOR AND DETERMINANTS OF HEALTH (5)
   1. Select one:
      - PSY 201 General Psychology
      - PSY 202 General Psychology
   2. Select one:
      - PE 250 Health Education
      - BIO 220 Physiology and Biological Adaptation
      - PSYCH 304 Comparative and Physiological Psychology
      - HE 210 Nutrition

F. TECHNOLOGY (6)
   1. At least one course in Computer Science. This requirement may be met by taking any course bearing a CSC prefix; or, AM 250, ENGR 251, or EDES 250. "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, and "Senior Project" courses may not be used to satisfy this requirement.
   2. Select at least one course from the following:
      - AG 301 Agriculture and American Life
      - ENGR 301 Technology in the 20th Century
      - ARCH 312 Home and Community Design
      - CRP 211 Introduction to Urbanization
      - CRP 212 Introduction to Urban Planning
      - IT 101 Technical Computation
      - IT 130 Automotive Fundamentals
      - IT 250 Automotive Power
      - LA 301 Introduction to Landscape Architecture
      - LA 311 Landscape History
      - AERO 102 Introduction to General Aviation
      - AERO 205 Energy Science
      - ENVE 221 Solar Energy
      - CE 121 Civil Engineering Fundamentals
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Students in the Schools of Architecture, Agriculture, and Engineering are exempt from the requirements of F-2. They may apply a maximum of 3 units from their major toward the satisfaction of the 12-unit upper-division GE requirements.