General Concentrations

Arabic Specialty (12 units)

Art History Specialty (15 units)

Art Service Learning Specialty (12 units)

Communication Specialty (12 units)

English Creative Writing Specialty (12 units)

English Linguistics Specialty (12 units)

English Literature Specialty (12 units)

English Rhetoric and Composition Specialty (12 units)

French Specialty (12 units)

Interdisciplinary Fine Arts Specialty (21 units)

Japanese Specialty (14 units)

Philosophy Specialty (15 units)

Spanish Specialty (12 units)

Theatre Education Specialty (12 units)

Gender and Sexuality Studies Specialty (12 units)

Pedagogical Studies Specialty (12 units)

Special Education Specialty (12 units)

Biology Specialty (14+ units)

Chemistry Specialty (12 units)

Computer Science and Engineering Specialty (14 units)

Geology Specialty (14-15 units)

Kinesiology (Physical Education) Specialty (12 units)

Mathematics Specialty (12 units)

Physics Specialty (13-14 units)

Child Development Specialty (12 units)

Geographic Information Systems Specialty (12 units)

Geography Specialty (12 units)

History Specialty (12 units)

Psychology Specialty (12 units)

Entrepreneurship Specialty (15 units)

Arabic Specialty (12 units)

1. Choose 6 units from the following:

Semester Prerequisite: Prerequisite 8 units of two of the following courses: ARAB 2111, 2112, 2113, 2114. Quarter Prerequisite: ARAB 203; (Semester Prerequisite: [ARAB 1112](https://catalog.csusb.edu/search/?P=ARAB%201112) and 1102 or [ARAB 1151](https://catalog.csusb.edu/search/?P=ARAB%201151) and 1152 or consent of department. Quarter Prerequisite: ARAB 103)

* + ARAB 3111 Arab Culture, Media and Identity
  + ARAB 3112 Explorations of Arabic Literacy Texts (Quarter prerequisite of ARAB 203 or equivalent)
  + ARAB 3113 Spoken Arabic
  + ARAB 3114 Introduction to Arabic Linguistics

1. Choose 6 units from the following:

* ARAB 3115 Introduction to Arabic Translation (Semester Prerequisite: Prerequisite 8 units chosen from the following courses: ARAB 2111, 2112, 2113, 2114. *Quarter Prerequisite: ARAB 303*)
* ARAB 3116 Explorations in Arabic Media (Semester Prerequisite: Prerequisite 8 units from the following courses: ARAB 2111, 2112, 2113, 2114. *Quarter Prerequisite: ARAB 301*)
* ARAB 3117 Advanced Arabic for Professional Communication (Semester Prerequisite: ARAB 2114, 3111, 3112, 3113, 3114 *Quarter Prerequisite: ARAB 303*)
  + ARAB 3900 Female Voices in Arab American Literature
  + ARAB 4112 Advanced Readings in Arabic
* ARAB 4113 Arabic Pedagogy (Semester Prerequisite: ARAB 3111, 3112, 3113, 3114 *Quarter Prerequisite: ARAB 303*)
  + ARAB 4900 Voices and Visions from the Arab World

Art History Specialty (15 units)

1. AH 1222 Art History Foundations 2 (3 units)
2. Choose one of the following:
   * AH 1103 Art History Methodologies 1 (3 units)
   * AH 1104 Art History Methodologies 2 (3 units)
3. AH 3210 Visualizing Gender, Performing Identity (3 units)
4. AH 3250 Topics and Themes of Art History and Exhibitions (3 units)
5. AH 4250 Art History Seminar (3 units)

Art Service Learning Specialty (12 units)

1. Choose 12 units from the following:
   * ART 4450 Art in Action: Visual Art
   * ART 4460 Art in Human Development
   * ART 4520 Leadership and Engagement in the Arts (Semester Prerequisite: ART 2400, 2280 or by consent of instructor)
   * ART 4551 Community-based Art Practicum (Semester Prerequisite: ART 2280, 4450 or by consent of instructor. *Quarter Prerequisite: senior or graduate student in Art or consent of instructor*)
   * ART 4552 Arts in Corrections Practicum (Semester Prerequisite: ART 3400, 4450 and at least one other course in the Visual Studies concentration or by consent of instructor)

Communication Specialty (12 units)

1. COMM 2101 Introduction to Communication Studies (3 units)
2. COMM 3101 Communication, Self, and Others (3 units) (Semester Prerequisite: COMM 2101, which may be taken concurrently with COMM 3101)
3. COMM 3102 Media, Culture, and Society (3 units) (Semester Prerequisite: COMM 2101, which may be taken concurrently with COMM 3102. *Quarter Prerequisite: completion of COMM 320 or consent of instructor*)
4. COMM 4102 Ethical Aspects of Communication (3 units) (Semester Prerequisite: COMM 3101 or 3102. *Quarter Prerequisite: COMM 200, COMM 306 and COMM 400 or consent of department*)

English Creative Writing Specialty (12 units)

Twelve units chosen from any ENG Creative Writing course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-I.

English Linguistics Specialty (12 units)

Twelve units chosen from any ENG Linguistics course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-I.

English Literature Specialty (12 units)

Twelve units chosen from any ENG Literature course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-I.

English Rhetoric and Composition Specialty (12 units)

Twelve units chosen from any ENG Rhetoric or Composition course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-I.

French Specialty (12 units)

Courses numbered 2111 or above (except 2900 and 3900) are allowable, the following are suggested courses:

1. FREN 2111 Introduction to the Francophone World (Semester Prerequisite: FREN 1112 and 1102, or FREN 1151 or consent of department. *Quarter Prerequisite: FREN 103 or FREN 150*)
2. FREN 2112 Introduction to French Media (Semester Prerequisite: FREN 1112 and 1102, or FREN 1151 or consent of department. *Quarter Prerequisite: FREN 103 or FREN 150*)
3. FREN 2113 Introduction to Reading & Interpretation (Semester Prerequisite: FREN 1112 and 1102, or FREN 1151 or consent of department. *Quarter Prerequisite: FREN 103 or FREN 150*)
4. FREN 3000 Enhancing Your French (Semester Prerequisite: FREN 2111, FREN 2112, FREN 2113, or FREN 2114 or consent of department. *Quarter Prerequisite: FREN 200 or FREN 201 or FREN 202*)
5. FREN 3150 French Conversation Lab (Semester Prerequisite: FREN 3000 or consent of department. *Quarter Prerequisite: FREN 295*)
6. FREN 3550 French Phonetics (Semester Prerequisite: FREN 3000 or consent of department. *Quarter Prerequisite: FREN 202 or consent of department*)

Interdisciplinary Fine Arts Specialty (21 units)

1. ART 2395 Art in the Classroom (3 units)
2. Choose one of the following courses:
   * ART 4450 Arts in Action: Visual Art (3 units)
   * MUS 4455 Arts in Action: Music (3 units) (Semester Prerequisite: MUS 3705. Prerequisite: MUS 370)
   * TA 4450 Arts in Action: Theatre (3 units) (Semester Prerequisite: TA 3410. *Quarter Prerequisite: TA 481*)
   * TA 4451 Arts in Action: Dance (3 units) (Semester Prerequisite: TA 4440. *Quarter Prerequisite: DAN 481*)
3. MUS 4100 Music in the Elementary Schools (3 units) (Semester Prerequisite: The student must have successfully passed Intro to MUS 2114 or have the consent of the instructor. *Quarter Prerequisite: MUS 214 or consent of instructor*)
4. TA 3410 Theatre in the Classroom (3 units)
5. TA 4400 Creative Movement in the Classroom (3 units)
6. Choose 3 units from the following:

* TA 2132 Scenography (Semester Prerequisite: TA 2131. *Quarter Prerequisite: TA 235*)
  + ART 5499 Methodologies in Art Education (*Quarter Prerequisite: ART 440, ART 460 and ART 540*)
  + MUS 4110 Teaching Music in Secondary Schools (Semester Prerequisite: The student must have successfully passed Intro to MUS 2114 and MUS 4100; or have the consent of the instructor. *Quarter Prerequisite: MUS 214 or consent of instructor*)
  + TA 4410 Drama in Education
  + TA 4430 Puppetry

Or additional Art in Action course not yet chosen above

* + ART 4450 Arts in Action: Visual Art
  + MUS 4455 Arts in Action: Music (Semester Prerequisite: MUS 3705. Prerequisite: MUS 370)
  + TA 4450 Arts in Action: Theatre (3 units) (Semester Prerequisite: TA 3410. *Quarter Prerequisite: TA 481*)
  + TA 4451 Arts in Action: Dance (3 units) (Semester Prerequisite: TA 4440. *Quarter Prerequisite: DAN 481*)

Will also count for Lower Division Literature in Group A

* TA 1160 World Drama (3 units) (*Quarter Prerequisite: satisfaction of the GE written communication (A1) requirement or equivalent*)
  + TA 2612 Oral Interpretation of Literature (3 units)

Japanese Specialty (14 units)

1. Choose 6 units from the following:

* JAPN 3111 Japanese Communication (Semester Prerequisite: JAPN 2111 AND JAPN 2112 or consent of department. *Quarter Prerequisite: JAPN 203 or consent of department*)
  + JAPN 3112 Japanese Media (Semester Prerequisite: JAPN 2111 AND JAPN 2112 or consent of department. *Quarter Prerequisite: JAPN 203 or consent of department*)
  + JAPN 3113 Business Japanese (Semester Prerequisite: JAPN 2111 AND JAPN 2112 or consent of department. Prerequisite: JAPN 203 or consent of department)
  + JAPN 3114 Japanese Literature (Semester Prerequisite: JAPN 2111 and JAPN 2112. *Quarter Prerequisite: JAPN 203 or consent of department*)

1. Choose 2 units from the following:

* JAPN 3150 Japanese Conversation Lab (Semester Prerequisite: JAPN 2111 and JAPN 2112 or consent of department. *Quarter Prerequisite: JAPN 203 or consent of department*)
  + JAPN 3160 Japanese Writing Lab (Semester Prerequisite: JAPN 2111 and JAPN 2112 or consent of department. *Quarter Prerequisite: JAPN 203 or consent of department*)

1. Choose 6 units from the following:
   * JAPN 2100 Japanese Calligraphy
   * JAPN 3100 Analysis of Japanese Culture through Film

Philosophy Specialty (15 units)

1. PHIL 2100 Critical Thinking Through Symbolic Logic (3 units) (Semester Prerequisite: Mathematics/Quantitative reasoning GE requirement. *Quarter Prerequisite: Mathematics GE requirement A3*)
2. Choose 3 units from the following:

* PHIL 3210 Ancient Philosophy (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)
  + PHIL 3310 Ethics (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)
  + PHIL 3330 Social and Political Philosophy (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)

1. Choose 3 units from the following:

* PHIL 3250 Early Modern Philosophy (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: Satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)
  + PHIL 3510 Theory of Knowledge (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)
  + PHIL 3550 Metaphysics (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)
  + PHIL 3580 Philosophy of Language (Semester Prerequisite: Satisfaction of the GE (A3) Critical Thinking requirement and a GE category C (C2, C3 or C4) Philosophy course, or consent of instructor. *Quarter Prerequisite: satisfaction of the GE Critical Thinking (A4) and Philosophy (C4) requirements*)

Spanish Specialty (12 units)

1. SPAN 3301 Advanced Spanish Language and Composition (3 units) (Semester Prerequisite: SPAN 2112 or SPAN 2252. Prerequisite: SPAN 203, 295 or SPAN 253, 295  
   Semester Corequisite: SPAN 3302)
2. SPAN 3303 Introduction to Literature in Spanish Speaking World (3 units) (Semester Prerequisite: SPAN 3301 and SPAN 3302. *Quarter Prerequisite: SPAN 302*)
3. SPAN 3305 Applied Spanish Grammar (3 units) (Semester Prerequisite: SPAN 2112 or SPAN 2252. *Quarter Prerequisite: SPAN 302*)
4. Choose 3 units from the following:

* SPAN 3307 Cultures of Spain (Semester Prerequisite: SPAN 2112 or SPAN 2252. *Quarter Prerequisite: SPAN 302*  
  Semester Corequisite: SPAN 3308)
  + SPAN 3309 Cultures of Spanish America (Semester Prerequisite: SPAN 2112 or SPAN 2252. *Quarter Prerequisite: SPAN 302*Semester Corequisite: SPAN 3310)

Theatre Education Specialty (12 units)

1. Choose 3 units from the following:
   * TA 1141 Improvisation
   * TA 1631 Makeup for Stage and Screen
   * TA 2131 Fundamentals of Stage Design
   * TA 2640 Acting for All Majors
   * TA 2660 Introduction to Theatre
2. Choose 3 units from the following:

* TA 3602 Dramatic Analysis and Playwriting for Teachers (*Quarter Prerequisite: satisfaction of the GE written communication (A1) requirement*)
  + TA 4664 Theatre for Youth: History and Literature
* TA 3647 Playwriting (Semester Prerequisite: Junior or Senior standing. *Quarter Prerequisite: one course from ENG 302A, ENG 302B ,TA 302A, TA 302B; or consent of instructor*)

1. Choose 3 units from the following:

* TA 2132 Scenography (Semester Prerequisite: TA 2131. *Quarter Prerequisite: TA 235*)
  + TA 3410 Theatre in the Classroom
  + TA 4410 Drama in Education
  + TA 4430 Puppetry
  + TA 4440 Creative Movement in the Classroom

1. Choose 3 units from the following:

* TA 4450 Arts in Action: Theatre (Semester Prerequisite: TA 3410. *Quarter Prerequisite: TA 481*)
  + TA 4451 Arts in Action: Dance (Semester Prerequisite: TA 4440. *Quarter Prerequisite: DAN 481*)

Gender and Sexuality Studies Specialty (12 units)

1. Choose 6 units from the following:
   * GSS 1000 Introduction to Women’s Studies
   * GSS 1010 Introduction to Masculinity Studies
   * GSS 1020 Introduction to Transgender Studies
   * GSS 1030 Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies
2. Choose 6 units from the following:
   * GSS 4200 Feminist Theory
   * GSS 4250 Women as Agents of Social Change
   * GSS 4500 Queer Theory

Pedagogical Studies Specialty (12 units)

This concentration is only available to students who have been previously admitted to CSUSB’s multiple subject credentialing program.

1. Choose 12 units from the following:
   * EDMS 4100 Psychological Foundations of Education
   * EDMS 4101A Language Arts Teaching and Learning
   * EDMS 4101B Language Arts Teaching and Learning in Bilingual Settings
   * EDMS 4102 Pedagogical Foundations for Teaching English Learners
   * EDMS 4103 Creating Supportive and Engaging Learning Environments
   * EDMS 5104 Mathematics Teaching and Learning
   * EDMS 5106A Social Studies and the Arts Teaching and Learning
   * EDMS 5106B Social Studies and the Arts Teaching and Learning in Bilingual Settings
   * EMAT 5100 Technology and Instructional Practices for Educators
   * EMAT 5101 Education, Diversity and Social Justice

Special Education Specialty (12 units)

1. ESPE 3350 Introduction to Special Populations for General Education Teachers (3 units)
2. ESPE 5514 Language Development in Diverse Learners (3 units)
3. ESPE 5530 Introduction to Special Education (3 units)
4. ESPE 5531 Methods and Procedures in Special Education (3 units) (*Quarter Prerequisite: ESPE 530*)

Biology Specialty (14+ units)

Courses for the Biology Concentration can be chosen from any listed in the bulletin with the exception of BIOL 1000, BIOL 1010, courses used to fulfill GE categories, and BIOL 3091 and BIOL 3092.

The following courses are recommended:

1. CHEM 2100 General Chemistry I (4 units) (Semester Prerequisite: One year of high school chemistry and three years of high school mathematics or their equivalents and completion of or concurrent enrollment in one of the following: MATH 1401, MATH 1403, MATH 1601, MATH 1603, MATH 2210, or MATH 2220. *Quarter Prerequisite: one year of high school chemistry and three years of high school mathematics, or their equivalents; completion of, or concurrent enrollment in one of the following: MATH 110, MATH 120, MATH 192, MATH 211, or MATH 212*)
2. BIOL 2010 Principles of Biology I (5 units) (Semester Prerequisite: CHEM 2100 with a grade of C or higher. *Quarter Prerequisite: CHEM 215 with a grade of C (2) or better, or consent of department*)
3. BIOL 2020 Principles of Biology II (5 units) (Semester Prerequisite: BIOL 2010 with a grade of C (2) or better. *Quarter Prerequisite: BIOL 200 and BIOL 201 with a grade of C or better*)

Chemistry Specialty (12 units)

1. CHEM 2050 Survey of General Chemistry (3 units) (Semester Prerequisite: Eligibility to enroll in, or completion of, GE mathematics. Quarter Corequisite: MATH 90 or above. *Quarter Prerequisite: One year of high school algebra, MATH 90 or above*Semester Corequisite: if ineligible to enroll in GE math, co-enrollment in Math 1102 or 1202 or 1302)
2. CHEM 2050L Survey of General Chemistry Laboratory (1 unit) (Semester Corequisite: CHEM 2050)
3. CHEM 2060 Survey of Organic and Biochemistry (4 units) (Semester Prerequisite: CHEM 2050 or CHEM 2100. *Quarter Prerequisite: CHEM 205 or CHEM 215*)
4. CHEM 2060L Survey of Organic and Biochemistry Laboratory (1 unit) (Semester Prerequisite: CHEM 2050 and CHEM 2050L; or CHEM 2100 and CHEM 2100L; and CHEM 2060 as a pre- or co-requisite; or consent of department. *Quarter Prerequisite: CHEM 205 or CHEM 215*)
5. Choose 3 units from the following:

* CHEM 3000 History of Science and Technology (Semester Prerequisite: Completion of GE categories B-1 and B-2. *Quarter Prerequisite: junior or senior standing*)
* CHEM 3100 Chemistry and the Environment (Semester Prerequisite: Completion of B-1 and B-2 categories)

Computer Science and Engineering Specialty (14 units)

1. CSE 1100 Critical Thinking Through Computer Programming (3 units)
2. CSE 1250 Programming Basics (4 units)
3. CSE 2010 Computer Science I (4 units) (Semester Prerequisite: CSE 1250 or Instructor consent. *Quarter Prerequisite: satisfactory score on the Entry Level Mathematics examination, and either some prior computer programming experience or CSE 125*)
4. CSE 4880 Ethics Senior Seminar (3 units) (Semester Prerequisite: Senior Standing. *Quarter Prerequisite: senior standing*)

Geology Specialty (14-15 units)

1. GEOL 3090 Earth: The Blue Planet (4 units) (Semester Prerequisite: a college-level chemistry course and a college-level physics course and laboratory, or consent of instructor. *Quarter Prerequisite: a college-level chemistry course and a college-level physics course, or consent of instructor*)
2. GEOL 2000 Interpreting Earth Systems History: Stories from an Ancient Planet (4 units)
3. GEOL 2500 Geology of California (3 units) (Semester Prerequisite: Any 1000-level GEOL course with lab, or GEOG 1030, or consent of instructor. *Quarter Prerequisite: Geol 101*)
4. Choose 3 units from the following:
   1. GEOL 1020 Plate Tectonics: Key to Understanding Earthquakes, Volcanoes and Tsunami
   2. GEOL 2040 Water in the West
   3. GEOL 3020 Natural Disasters (Semester Prerequisite: junior or senior standing. *Quarter Prerequisite: junior or senior standing*)
   4. GEOL 3030 History of Life on Earth (Semester Prerequisite: Junior or senior standing. *Quarter Prerequisite: Junior or senior standing*)
   5. GEOL 3040 Energy and the Environment (*Quarter Prerequisite: junior or senior standing*)
   6. GEOL 3100 Introduction to Geologic Mapping (Semester Prerequisite: Any 1000-level Geology course with lab, or GEOG 1030 with lab. *Quarter Prerequisite: GEOL 101 or GEOG 103*)
   7. GEOL 3300 Sedimentary Geology: Principles and Applications (Semester Prerequisite: Any 1000-level GEOL course, or GEOG 1030, BIOL 1000, or consent of instructor)
   8. GEOL 3700 Groundwater Hydrology (Semester Prerequisite: Geol 1000 and 1000L, or Geol 1060 and 1060L or Geol 1020 plus 1000L or 1060L. *Quarter Prerequisite: GEOL 101*)

Kinesiology (Physical Education) Specialty (12 units)

1. KINE 2100 Orientation to Kinesiology (3 units)
2. Choose 9 units from the following:
   * KINE 2610 Teaching/Coaching Principles for Dance
   * KINE 2611 Teaching/Coaching Principles for Gymnastics

* KINE 2612 Teaching/Coaching Principles for Swimming (Semester Prerequisite: KINE 1370A or KINE 1370E or Pass Swim Test. *Quarter Prerequisite: KINE 137A, KINE 137C, KINE 137J, KINE 137K or KINE 137L or Pass Swim Test*)
  + KINE 2620 Teaching/Coaching Principles for Combative/Fitness Activity
  + KINE 2630 Teaching/Coaching Principles for Individual/Dual Sport
  + KINE 2640 Teaching/Coaching Principles for Team Sports
  + KINE 3400 Psychology and Sociology of Human Movement
  + KINE 3600 Physical Activity and Aging
  + KINE 3810 Sport and Exercise Nutrition
  + KINE 4100 Motor Learning and Control
* KINE 4720 Program Design in Physical Education (*Quarter Prerequisite: KINE 210*)
  + KINE 4730 Instructional Strategies in Physical Education

Mathematics Specialty (12 units)

Any math course applicable to a BS in Mathematics, Teaching Track that is not required within the Liberal Studies Program may be used in the Concentration.

Choose 12 units form the following:

1. MATH 1301 Modeling with Functions (*Quarter Prerequisite: passing score on the Entry Level Mathematics examination or passage of MATH 90*)
2. MATH 1401 Accelerated Preparation for Calculus
3. MATH 1601 Modeling with Calculus (Semester Prerequisite: MATH 1301 or MATH 1303 or MATH 1401 or MATH 1402 or equivalent or satisfactory placement status. *Quarter Prerequisite: satisfactory score on the Entry Level Mathematics examination, or passage of MATH 110*)
4. MATH 2265 Statistics with Applications (Semester Prerequisite: MATH 2210 as a pre- or co-requisite. *Quarter Prerequisite: MATH 211 as a pre- or co-requisite*)
5. MATH 2720 Discrete Mathematics (Semester Prerequisite: Completion of the Quantitative Reasoning General Education requirement. *Quarter Prerequisite: Completion of the general education requirement in mathematics*)
6. MATH 2900 Problem Solving and Mathematical Reasoning for Teachers I (Semester Prerequisite: MATH 1401 or MATH 1403 or MATH 2210. *Quarter Prerequisite: MATH 120 or MATH 211*)

Physics Specialty (13-14 units)

1. PHYS 2000 Introduction to Physics I (4 units) (Semester Prerequisite: MATH 1601 or 2210, with a grade of C or better. *Quarter Prerequisite: MATH 192 or 211, with a grade of C- or better*)
2. PHYS 2000L Introduction to Physics I Lab (1 unit) (Semester Prerequisite: MATH 1601 or 2210, with a grade of C or better. Prerequisite: MATH 192 or 211, with a grade of C- or better  
   Semester Corequisite: PHYS 2000)
3. PHYS 2010 Introduction to Physics II (4 units) (Semester Prerequisite: PHYS 2000. *Quarter Prerequisite: PHYS 121*)
4. PHYS 2010L Introduction to Physics II Lab (1 unit) (Semester Prerequisite: PHYS 2000 and 2000L. Prerequisite: PHYS 121  
   Semester Corequisite: PHYS 2010)
5. Chooses one of the following courses:

Semester Prerequisite: Satisfactory completion of GE mathematics requirement, area B4

1. ASTR 1000 Introduction to Planetary Astronomy
   * 1. Lab is optional: ASTR 1000L Introduction to Planetary Astronomy Lab
   1. ASTR 1010 Introduction to Galaxies and Cosmology
      1. Lab is optional: ASTR 1010L Introduction to Galaxies and Cosmology Lab

Child Development Specialty (12 units)

Twelve units chosen from any Child Development courses 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-I

Geographic Information Systems Specialty (12 units)

1. GEOG 2250 Introduction to Geographic Information Systems and Cartography (4 units)
2. GEOG 3710 Advanced Geographic Information Systems (4 units) (Semester Prerequisite: GEOG 2250 or consent of instructor. *Quarter Prerequisite: GEOG 202 or consent of instructor*)
3. GEOG 4880 Remote Sensing of the Environment (4 units) (Semester Prerequisite: GEOG 2250 or consent of instructor. *Quarter Prerequisite: GEOG 103 or consent of instructor*)

Geography Specialty (12 units)

Semester Prerequisite: Upper division standing or permission from instructor

1. GEOG 3020 Social Geography (3 units)
2. GEOG 3040 Urban Geography (3 units)
3. GEOG 3050 Economic Geography (3 units)
4. Choose 3 units from the following:
   * GEOG 4050 Geography of California
   * GEOG 4060 Emerging World Regions
   * GEOG 4070 Advanced World Regions

History Specialty (12 units)

12 upper-division units chosen from four of the following five areas.

1. African History
   * HIST 3860 Africa to 1870
   * HIST 3870 Africa 1870 to Present
   * HIST 3880 The Rise, Decline and Legacy of Apartheid South Africa
   * HIST 3890 Images of Africa
   * HIST 4490 Gender and Development in Africa
   * HIST 4500 History of Southern Africa
2. Asian/Middle East History
   * HIST 3830 Classical Islamic Civilization
   * HIST 3840 Modern Middle East
   * HIST 4260 Ancient and Early Imperial China
   * HIST 4280 Medieval China
   * HIST 4290 Modern China I, 1644-1911
   * HIST 4310 Modern China II, 1911-Present
   * HIST 4330 Modern Chinese History in Fiction and Film
   * HIST 4400 History of Modern East Asia
   * HIST 4560 Mughal India and the Early Modern World
   * HIST 4570 Modern India at the Crossroads of Empire
   * HIST 4590 Media Cultures of the Indian Subcontinent
   * HIST 4850 Arab - Israeli Conflict

* HIST 4860 Modern Iran (*Quarter Prerequisite: HIST 383 or consent of instructor*)
  + HIST 4870 Topics in Modern Middle Eastern History ((*Quarter Prerequisite: HIST 383 or consent of instructor*)

1. European History
   * HIST 3050 Ancient and Medieval Europe to the Renaissance
   * HIST 3060 European History from the Renaissance to the Present
   * HIST 3200 History of Ancient Greece
   * HIST 3210 History of Rome
   * HIST 3350 Modern Ireland
   * HIST 4000 Early Medieval Europe
   * HIST 4010 High Medieval Europe
   * HIST 4020 Renaissance and Reformation
   * HIST 4030 The age of Absolutism and Enlightenment
   * HIST 4050 Nazi Germany and the Holocaust
   * HIST 4060 European Intellectual History
   * HIST 4090 Twentieth Century Europe
2. Latin American History
   * HIST 3900 History of Modern Mexico
   * HIST 4650 Modern Central America
   * HIST 4670 Latin American History Through Film
   * HIST 4690 Colonial Latin America
   * HIST 4700 Modern Latin America
3. United States History
   * HIST 3400 African-American History, 1620-1865
   * HIST 3410 African-American History, 1865-Present
   * HIST 3450 Women in U.S. History, 1607-Present
   * HIST 3460 Women in the Black Freedom Movement
   * HIST 3470 Black Freedom Movement Through Film
   * HIST 3500 The American Colonies, 1607-1783
   * HIST 3510 The Evolution of American Democracy, 1783-1840
   * HIST 3540 Civil War and Reconstruction
   * HIST 3560 The United States, 1877-1917
   * HIST 3570 The United States, 1917-1945
   * HIST 3580 United States in World War II
   * HIST 3590 United States History, Cold War Era
   * HIST 3600 American History Through Film
   * HIST 3700 History of California
   * HIST 3710 California Indian History
   * HIST 4180 Early American Biography
   * HIST 4220 20th Century Americans

* HIST 5400 Constitutional History of the United States (*Quarter Prerequisite: HIST 200 or HIST 201, or PSCI 410 or consent of instructor*)
  + HIST 5600 History of the American West
  + HIST 5610 Gender, Sex, and Conquest in the American West

Psychology Specialty (12 units)

1. PSYC 1100 Introduction to Psychology (3 units)
2. Choose 9 units from the following:

* PSYC 2201 Developmental Psychology (Semester Prerequisite: PSYC 1100. *Quarter Prerequisite: PSYC 100*)
* PSYC 2220 Brain and Behavior (Semester Prerequisite: PSYC 1100)
  + PSYC 3301 Psychology of Human Sexuality
* PSYC 3318 Health Psychology (Semester Prerequisite: PSYC 1100*. Quarter Prerequisite: PSYC 100*)
  + PSYC 3333 Drugs and Behavior (Semester Prerequisite: PSYC 1100 or consent of instructor. *Quarter Prerequisite: PSYC 100 or consent of instructor*)
  + PSYC 3354 Organizational Psychology
  + PSYC 3382 Social Psychology (Semester Prerequisite: PSYC 1100. *Quarter Prerequisite: PSYC 100*)
  + PSYC 3385 Personality Psychology (Semester Prerequisite: PSYC 1100. *Quarter Prerequisite: PSYC 100 or consent of instructor*)
  + PSYC 3390 Abnormal Psychology (Semester Prerequisite: PSYC 1100. *Quarter Prerequisite: PSYC 100 or consent of instructor*)

Entrepreneurship Specialty (15 units)

1. ENTR 3000 Entrepreneurship and Innovation (3 units)
2. ENTR 4420 Small Business Management (3 units)
3. ENTR 5430 Ideation and Creative Problem Solving (3 units)
4. ENTR 5440 Developing the New Venture (3 units) (Semester Prerequisite: ENTR 5430. *Quarter Prerequisite: ENTR 543*)
5. ENTR 5980 Reflective Essay (0 units) (Semester Prerequisite: Completion of or concurrent enrollment in all courses in the Entrepreneurship concentration, Entrepreneurship minor, or the Certificate in Arts & Entrepreneurship. *Quarter Prerequisite: Completion of or concurrent enrollment in all courses in the Entrepreneurship concentration or Entrepreneurship minor*)
6. TA 3141 The Improvisational Mind (3 units)