LSEE DEPTH OF STUDY AREAS

Mathematics

The required math courses in the program, Math 308B and Math 308C, provide an advanced viewpoint of the elementary mathematics curriculum. The Math depth of study option includes lower division courses in each of calculus, statistics, and mathematical reasoning. This option can assist students who are considering attaining an additional teaching credential in Mathematics by providing them with some of the knowledge they will need to pass the Single Subject Exam for Teachers in Mathematics (SSCSET).

In addition to a lower-division GE course:

Take at least one course in Calculus:
(MATH 109 or MATH 105 or MATH 106)

At least one course in Statistics:
(STAT 106 or STAT 108 or BIOM 109)

At least one course in mathematical reasoning
(MATH 108 or MATH 240)

Speak to Program Advisor in Mathematics Education for more details in attaining a minor in Mathematics.

Science

The Depth of Study in Science consists of three courses in at least two of the following four areas of science.

Example courses in each of the four areas are provided. Courses taken to satisfy Lower Division Area B General Education cannot be used to satisfy the Depth of Study requirements.

LIFE SCIENCE
BIOL 109 General Microbiology (3)
BIOL 302 Human Biology (3)
BIOL 304 Human Genetics (3)
BIOL 306 California Natural History (3) Summer
BOT 105 Principles of Biology (4) with lab
FISH 300 Introduction to Fishery Biology (3)
FOR 302 Forest Ecosystems & People (3)
FOR 307 California's Forests & Woodlands(3)

PHYSICS
PHYX 106 College Physics: Mechanics & Heat (4) with lab
PHYX 107 College Physics: Electromagnetism & Modern Physics (4) with lab
PHYX 302 Light & Color (3) with lab
PHYX 304 The Cosmos (4)

CHEMISTRY
CHEM 107 Fundamental of Chemistry (4) w/lab
CHEM 305 Environmental Chemistry (3) with activities

GEOSCIENCES
GEOL 106 Earthquake Country (3)
GEOL 300 Geology of California (2)
GEOL 300L Geology of California Field Trip (1)
PHYX 103 Introduction to Meteorology (3) with lab
PHYX 104 Descriptive Astronomy (4) with lab
OCN 109 General Oceanography (4) with lab
OCN 301 Marine Ecosystems Human Impact (3)
OCN 304 Resources of the Sea (3)
OCN 306 Global Environmental Issues (3)

Studio Art

The Depth of Study in Art will give students the fundamental art skills to effectively integrate the arts into the curriculum.

ART 105B Beginning Drawing (3)
ART 105C Color and Design (3)
ART 106 Beginning Painting (3)

Choose one of the following:

ART 107 Print Making (3)
ART 290 Ceramics (3)
ART 326 Intermediate Painting (3)
**History/Social Sciences**

The courses within the History/Social Science Depth of Study concentrate upon the demographic development of California, the United States and world regional areas. Human settlement and immigration patterns will be viewed from both an historical and social science perspective covering market making, land taking, boundary setting, state forming, and self-shaping of identities. These courses complement one another and offer the student a holistic view in the study of multicultural societies.

- **HIST 383** California History (3)
- **GEOG 106** Physical Geography (3)
- **SOC 303/ OR** Race and Ethnic Relations (3)
- **GEOG/ES 304** Migrations and Mosaics (3)

**Teaching English as a Second Language**

For LSEE Program DCG requirement take COMM 322. This coursework can begin after students take English 326-Language Studies for Teachers.

As the number of K-12 students with limited English proficiency continues to grow, so does the demand for specially trained teachers. This depth of study will prepare teachers to meet the needs of linguistically and culturally diverse students by developing and refining skills necessary in teaching English as a second language in the US, foreign schools, and language institutes. By taking 6 units of college foreign language in addition to this coursework, students can attain a TESL (Teaching English as a Second Language) minor.

- **ENGL/ COMM 417** Second Language Acquisition (3)
- **ENGL 435** Issues in English as a Second/Foreign Language (4)
- **ENGL 436** Integrating Language and Content in English Instruction (3)

**Human Development**

Choose an option that best fits your interests.

**Option 1: Child Development OR**

**Option 2: Psychology Emphasis**

**Early Education**

- **CD 257** Supervised Work with Children (3)
- **CD 251 OR** Children & Communities (3)
- **CD 352** Parent/Child Relationships (3)
- **CD 356 OR** Curriculum Development (3)
- **CD 357** Early Literacy (3)

**Option 2: Psychology**

- **PSYCH 311** Human Development (3)

Choose two of the following:

- **PSYCH 302** Psychology of Prejudice (3)
- **PSYCH 303** Family Relations in Society (3)
- **PSYCH 322** Learning and Motivation (3)
- **PSYCH 324** Cognitive Psychology (3)
- **PSYCH 417** Psych of Exceptional Children (3)
- **PSYCH 418** Social and Emotio. Prob. of Kids (3)

**Music**

A depth of study for individuals interested gaining a greater knowledge of the fundamental well as how to integrate music into the classroom.

**Required Courses:**

- **MUS 110** Fundamentals of Music (3)
- **MUS 319** Development of Music Concepts (2)

Students must take 2 classes in applied Instruction. Choices include voice, piano, or another instrument.

If additional units in music are needed to make at least 9 units for the depth of study, enroll in

- **MUS 302** Music in World Cultures (3)

**Creative Dramatics**

This 9 unit depth of study is designed for those individuals interested in integrating dramatic activity and movement throughout the elementary curriculum.

Take either **THEA 322** or **THEA 484** depending on what class was completed on LSEE major contract AND choose 2 of the following courses:

- **THEA 324** Puppetry (3)
- **COMM 108** Oral Interpretation (3)
- **THEA 105** Acting (3)
- **THEA 104** Storytelling (3)
- **THEA 108** Action: Theatre Movement & Mime(3)
**Spanish**

A depth of study in Spanish provides individuals with the language skills necessary to communicate with Spanish speakers. This depth is particularly useful for educators working in California’s public schools.

- **SPAN 107**  Level III: Intermediate Spanish (4)
- **SPAN 207**  Level IV: Intermediate Spanish (4)

Choose one of the following:

- **SPAN 311**  Level V: Advanced Grammar (4)
- **SPAN 340**  Into. to Hispanic Literature (3)

**Physical Education**

Each of these courses examines core principles that form the foundation of what it means to be a physical educator. What differentiates Physical Education from other disciplines is that preparation and interaction for the teaching/learning processes involves an active dynamic environment. This depth of study provides a perspective on pedagogical content that is consistent with the major theories and content of education.

- **KINS 385**  Adapted Physical Education (3)
- **KINS 483**  Evaluation Techniques in Kinesiology (3)
- **KINS 484**  Motor Learning/Development (3)