

**DEGREE/PROGRAM CHANGE  
FORM C**

**Fields marked with \* are required**

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**Phone Number:\*** 505 277-9611      Initiator's Rank / Title\*      Assoc. Professor: Dept. of Teacher Education  
Faculty Contact\*      Rosalita Mitchell      Administrative Contact\*      Maryanne O'Meara  
Department\*      Teacher Education  
**Division**      **Program**      Secondary Education  
**Branch**

**Proposed effective term:**

Semester      Please Select ▼      Year      2008 ▼

**Course Information**

Select Appropriate Program      Undergraduate Degree Program ▼      CIP Code  
Name of New or Existing Program      \* B.S.Ed Life Science Education  
Catalog Page Number      381      Select Category      Major ▼      Degree Type      B.S.Ed  
Select Action      Deletion ▼

**Exact Title and Requirements as they should appear in the catalog.**

See current catalog for format within the respective college (enter text below or upload a doc/pdf file)

[BA.ED&BS.ED.FormC.Catalog.text\[4\].doc](#)

**This Change affects other departmental program/branch campuses**

**Reason(s) for Request**      \* (enter text below or upload a doc/pdf file)

There is an urgent need to align the curriculum for undergraduate degrees currently listed as leading to Secondary Education Bachelors programs with the university curricular and Banner systems. The current B.S. Ed in Life Science Education was enacted years ago when content teaching fields (endorsements in the New Mexico licensure system) were implemented in the university to align with state endorsement requirements. Because of implementation in 2004 of the university curriculum terminology alignment project that has instituted academic terminology (rather than state licensure terms), the system can no longer accommodate these teaching fields for Secondary Education Undergraduate Programs in the same format as before. Likewise, the new format can no longer provide access to the Secondary Education Program (for students or faculty) or reports within the university Banner system. The current B.S. Ed. in Life Science Education is not aligned with university terminology or the Banner System because it names a teaching field (state licensure term) rather than a major. The deletion of this teaching field will be replaced with the Secondary Education Major (B.S. Ed. in Secondary Education) proposed in the Form C which accompanies this proposal. A new Concentration-Teaching Field in Life Science Education is also proposed in a second Form C accompanying this proposal. The Secondary Education Major and the Concentration-Teaching Field in Life Science Education will meet university terminology requirements and have designated codes that will be recognized in the Banner System.

**Statements to address budgetary and Faculty Load Implications and Long-range planning**

\* (enter text below or upload a doc/pdf file)

Because the proposed changes are related to terminology alignment and Banner codes and do not affect the required courses currently being taught within the Life Science Education Teaching Field Program of Studies, there will be no new implications for budgetary and faculty load nor impact on long-range planning.

New Text for p. 380-382 (2007-2008 Catalog)

## **Degrees Offered**

B.A. Ed. in Secondary Education  
B.S. Ed. in Secondary Education  
M.A. in Secondary Education

## **Undergraduate Program Advisement**

Undergraduate Advisor Contact:  
College of Education Advisement Center  
Hokona Hall, Room 134,  
(505) 277-3190 Fax (505) 277-4166

## **Undergraduate Study**

The Secondary Education Program offers an undergraduate major leading to teacher licensure in subjects commonly taught in middle and high schools (grades 7-12). All students must complete application and be admitted prior to beginning the program. Admissions are competitive and limited by capacity to deliver a quality program. See preceding catalog sections on: 1) *Application and Admissions Process for Teacher Preparation*; and 2) *Minimum Criteria for Undergraduate Application to Teacher Licensure Preparation*.

Application Deadline: Initial screening of applications begins on April 1 each year. Applications submitted after April 1 will be considered on a space available basis only.

## **Undergraduate Concentrations—Teaching Fields (for teaching grades 7-12)**

Communicative Arts Education  
Earth Science Education  
Fine Arts-Dance  
Fine Arts-Theatre  
Life Science Education  
Mathematics Education  
Modern & Classical Languages (French, German, Spanish)  
Physical Science Education with an emphasis in Chemistry  
Physical Science Education with an emphasis in Physics  
Social Studies Education

## **Undergraduate Curriculum for Students Preparing to Teach in Secondary Schools**

The curriculum leading to the Bachelor's Degree (B.A. Ed. or B.S. Ed.) in Secondary Education is designed for students preparing to teach in middle schools, junior high schools or senior high schools (grades 7-12). The program of studies for the Secondary Education major and licensure preparation has three components:

- a. General Education Requirements
- b. Concentration-Teaching Field Requirements
- c. Professional Education Requirements

Students should see an Academic Advisor for initial consultation about their program. A Secondary Education Faculty Advisor must approve entry into Secondary Education Professional Education courses.

## **General Education Requirements (66 hours)**

General education requirements include the following disciplines and courses:

1. Communication Arts (12 hours)  
ENGL 101, ENGL 102, LING 101, C&J 130 or 220
2. Mathematics (6 hours)  
MATH 120, STAT 145
3. Science (12 hours)  
Select from BIOL 110 and 112L, 201, 202 and 203  
CHEM 111L, 121L or 131L, 122L or 132L; EPS 101 and  
105L, 201L; ENVS 101; PHYC 102-102L, 151-152, 160-160L, 161-161L; ASTR 101
4. History (12 hours)  
HIST 101L or 102L, 161L, 162, 260 or 463.
5. Social Science (6 hours)  
Sect from SOC 101, PSY 105, POLS 110 or 220, ANTH 101 or 130, ECON 105 or 106, or GEOG 102
6. Fine Arts (6 hours)  
ARTH 101 or 251, MUS 139
7. Second Language (3 hours)  
Select from any of the lower-division, non-English language offerings of the Departments of  
Linguistics, Spanish and Portuguese, and Foreign Languages and Literature.
8. Teaching and Learning Support Courses (9 hours)  
EDUC 313 or EDPY 303 and 310; MSET 365

Students must achieve a 2.5 overall GPA in General Education courses to qualify for student teaching.

## **Secondary Education Concentration–Teaching Field Requirements**

In New Mexico, teachers must complete one or more teaching fields (endorsements) to apply for a Secondary Teaching License (grades 7-12). The Concentration–Teaching Fields included within the B.A.Ed. and the B.S.Ed. in Secondary Education degrees meet the state teaching field (endorsement) requirements for initial licensure and federal NCLB requirements for Highly Qualified teachers. Students must achieve a 2.5 GPA overall in Concentration-Teaching Field courses in order to qualify for student teaching.

**The B.A. Ed. in Secondary Education** includes at least one of the following concentration-teaching fields:

**Concentration-Teaching Field in Communicative Arts Education (54 hours):** This concentration-teaching field includes interdisciplinary study in literature, writing, communication and journalism and theatre arts. Course requirements include the following:

1. Communication Arts courses from General Education Requirements (12 hours)
2. World Literature (6 hours): Select from ENGL 292, 293, 330, 331, 332, 333, 334, 335, 336, 337
3. American Literature (6 hours): ENGL 296 or 297 and one of the following: ENGL 460, 461, 462, 463
4. Shakespeare (3 hours): ENGL 352 or 353
5. Perspectives on Literature (3 hours): Choose one from ENGL 264, 265, 281, 364, 365 or 381
6. Grammar (3 hours): ENGL 240
7. Writing (6 hours): LLSS 430 and one of the following: ENGL 219, 223, 224 or 324
8. Communication & Journalism (3 hours): Select from CJ 225, 323, 327, or 331
9. Non-Print Media (3 hours): CJ 110 or MA 110
10. Intercultural Communication (3 hours) : CJ 314
11. Books for Young Adults (3 hours) : EMLS 451
12. Co-Curricular Perspectives (3 hours) : Select from THEA 418, THEA 419, CJ 271, CJ 374, CJ 273, CJ 344, CJ 171 or MA 330

**Concentration-Teaching Field in French (30 hours):** Completion of this concentration-teaching field leads to a Modern & Classical Languages endorsement in French. Course requirements include the following (at least 12 credit hours at the 300 level or above):

1. Language (12-18 hours): Select from FREN 101, 102, 103, 108, 201, 203, 275, 276, 301, 302, 305,
2. Literature, Civilization & Culture (12-18 hours): Select from FREN 335, 345, 346, 351, 352, 407, 432, 465,

**Concentration-Teaching Field in German (30 credit hours):** Completion of this concentration-teaching field leads to a Modern & Classical Languages endorsement in German. Course requirements include the following (at least 12 hours at the 300 level or above):

1. Language (12-18 hours): Select from GRMN 101-102, 201-202, 203-204, 275-276, 301-302, 303, 405
2. Literature, Civilization & Culture (12-18 hours): Select from GRMN 304, 305, 307, 308, 336, 401, 450, 498, 499

**Concentration-Teaching Field in Social Studies Education (54 hours):** This concentration-teaching field includes interdisciplinary study in social studies including history (U.S. and Western Civilization), political science, anthropology, economics, geography, economics and sociology. Course requirements include the following:

1. General Education Requirements for History and Social & Behavioral Courses (18 hours)
2. Required Core Courses (15 hours): GEOG 140, POLS 200, POLS 220, SOC 216, HIST 260
3. Support courses to complete one of the following emphasis areas (at least 12 hours at the 300 level or above):

Anthropology	33 hours	Sociology	31 hours
Economics	33 hours	Geography	33 hours
History	21 hours	Political Science	30 hours

**Concentration-Teaching Field in Spanish:** Completion of this concentration-teaching field leads to a Modern & Classical Languages endorsement in Spanish. Course requirements include the following (at least 12 hours at the 300 level or above):

1. Language (12-18 hours): Select from SPAN 101, 102, 103-104, 111, 112, 200, 201, 202, 203, 211, 212, 275, 276, 301, 302
2. Linguistics, Philology & Methodology, Literature, Peninsular Literature, Spanish American Literature, Southwest Hispanic Studies (12-18 hours): Select from SPAN 350, 351, 352, 371, 449, 307, 411, 412, 423, 429, 450, 431, 432, 433, 435, 438, 439, 370, 375, 377, 479

**The B.S. Ed. in Secondary Education** includes at least one of the following concentration-teaching fields:

**Concentration-Teaching Field in Earth Science (52-58 hours):** This concentration-teaching field requires 30 hours of earth and planetary sciences and eight hours EACH in biology, chemistry, physics and mathematics. Course requirements include the following:

1. Core Courses (32 hours): BIOL 201, CHEM 121L, CHEM 122L, EPS 101/105L, EPS 201L, PHYC 151L, PHYC 152L
2. Support for Emphasis Area (20-26 hours, 12 hours at 300 level or above):  
Select from the following: EPS 225, EPS 250 or EPS 255L, EPS 301/302L, EPS 303L, EPS 304L, EPS 307L, EPS 333 or 481L, EPS 365 or ASTR 101/101L, EPS 352

**Concentration-Teaching Field in Life Science (52-58 hours):** This concentration-teaching field requires 30 hours of biology and eight hours EACH in earth and planetary sciences, chemistry, physics and mathematics.

1. Core Courses (32 hours): BIOL 201, BIOL 202, CHEM 121L, CHEM 122L, EPS 101/105L, EPS 201L, PHYC 151L, PHYC 152L
2. Support for Emphasis Area (20-26 hours, 12 hours at the 300 level or above):  
Select from BIOL 203L, BIOL 204L, BIOL 351L, 352L, BIOL 360L, BIOL 371L or BIOL 386L, BIOL 300, BIOL 310L, BIOL 324 or BIOL 407L

**Concentration-Teaching Field in Mathematics Education (36 hours):** This concentration teaching field requires mathematics courses that enable students to develop proficiencies in calculus, algebra, geometry, probability and statistics, computing, application of mathematics and history of mathematics. Course requirements include the following:

1. Required Courses (30 hours): CS 151L, MATH 162, 163, 264, 305, 306, 314, 338, STAT 345
2. MATH Elective Options (6 hours): Select from 300, 308, 309, 317, 318, 319, 350

**Concentration-Teaching Field in Physical Science with Chemistry Emphasis:** This concentration-teaching field requires 30 hours in chemistry and eight hours EACH in biology, earth and planetary sciences, physics and mathematics.

1. Core Courses (32 hours): BIOL 201, BIOL 202, CHEM 121L, CHEM 122L, EPS 101/105L, EPS 201L, PHYC 151L, PHYC 152L
2. Support for Emphasis area (20-26 hours, 12 hours at 300 level or above):  
Select from CHEM 253L, CHEM 301/303L, CHEM 302/304L, CHEM 315 or CHEM 311/312, CHEM 421, CHEM 431

**Concentration-Teaching Field in Physical Science with Physics Emphasis:** This concentration-teaching field requires 30 hours in chemistry and eight hours EACH in biology, earth and planetary sciences, physics and mathematics.

1. Core Courses (32 hours): BIOL 201, BIOL 202, CHEM 121L, CHEM 122L, EPS 101/105L, EPS 201L, PHYC 160/160L, PHYC 262/262L
2. Support for Emphasis Area (20 hours):  
Select from PHYC 301, PHYC 302, PHYC 303, PHYC 304, PHYC 307, PHYC 308, PHYC 327, PHYC 330, PHYC 405, PHYC 406, PHYC 421, PHYC 422, PHYC 452, PHYC 491, PHYC 492

### **Other Content Areas/Endorsement Programs of Studies Available for Secondary Education Majors**

Interested students may elect to pursue programs of studies in other COE or university programs that will lead to a K-12 license or endorsement in addition to one of the Concentration-Teaching Fields offered through the Secondary Education program. For more information about licenses or endorsements in other programs or colleges within the university, contact the appropriate programs listed below.

**Concentration-Teaching Field in Fine Arts-Dance (36 hours):** Completion of this concentration-teaching field leads to an endorsement in Fine Arts-Dance. This program is administered by the Secondary Education Program, but students are urged to seek advice early in the program from both the College of Education and the Department of Theatre and Dance. Requirements may change. See the Theatre and Dance advisor for current information.

Current course requirements include the following (at least 12 credit hours at the 300 level or above):

DANC 105, 212, 250, 311, 416, 462 or 463, 14 hours of dance technique (8 hours must be in Modern, the other hours must be completed in three of the following areas: Ballet, Ethnic, Folk, Jazz or Tap)

**Fine-Arts-Theatre (36 hours):** Completion of this concentration-teaching endorsement in Fine Arts-Theatre. This program is administered by the Secondary Education Program, but students are urged to seek advice early in the program from both the College of Education and the Department of Theatre and Dance. Requirements may change. See the Theatre and Dance advisor for current information. Current course requirements include the following (at least 12 credit hours at the 300 level or above); THEA 120, 121, 122, 192, 194, 196, 223, 224, 403, 418 and 419

**Visual Art Licensure:** The College of Education offers course work towards a Visual Art Licensure K-12. Those interested should see the section on Art Education in this Catalog and contact a program advisor.

**Bilingual Education (27 hours):** Students may elect to pursue a New Mexico K-12 endorsement in Bilingual Education with a Spanish/English or Navajo/English concentration. However, in order to meet

federal and state requirements for the 7-12 school curriculum, secondary students interested in a bilingual education endorsement must have a first concentration-teaching field in one of the academic content areas such as English/language arts, fine arts-dance or theatre, social studies, mathematics, science, or modern & classical languages listed above in the Secondary Concentration-Teaching Fields section. They may then complete requirements for the bilingual education endorsement as an additional teaching credential. Students must see a Bilingual Education Program advisor in the Department of Language, Literacy and Sociocultural Studies (LLSS) for current information about Bilingual Education Endorsement requirements and approval of entry into Bilingual Education concentration courses.

**Teaching English to Speakers of Other Languages (36 hours):** Students may elect to pursue a K-12 endorsement in Teaching English to Speakers of Other Languages (TESOL). However, in order to meet federal and state requirements for the 7-12 school curriculum, secondary students must have a first concentration-teaching field in one of the academic content areas such as English/language arts, social studies, mathematics, science, or modern & classical languages listed above in the Secondary Concentration-Teaching Fields section. They may then complete requirements for the TESOL endorsement as an additional teaching credential. See a TESOL Program advisor in the Department of LLSS for current information about the TESOL Endorsement requirements and approval of entry in TESOL concentration courses.

### **Professional Education Requirements (27 hours)**

The following professional education sequence is required of all undergraduate students pursuing a secondary education major and eligibility for an initial teaching license for grades 7-12. The two-semester sequence includes consecutive fall and spring semesters of the same academic year (i.e., teaching experiences and related courses). In order to qualify for the professional education sequence, students should complete all general education and concentration-teaching field requirements. However, if space is available and other requirements have been met, students may be allowed with faculty approval to proceed into the professional education sequence if lacking no more than six hours total of all other requirements. Students must achieve a 2.5 GPA in their general education courses, a 2.5 GPA in their concentration-teaching field courses, and a 3.0 overall GPA in their professional education courses to advance to student teaching.

#### **Professional Education Courses**

SPED 489	Working with Special Needs Populations	3 hours
EDUC 438*	Teaching Reading in the Content Field	3 hours
EDUC 362	Teaching Experience I ( <i>offered Fall only</i> )	3 hours
EDUC 450	Issues in Secondary Education ( <i>offered Fall only</i> )	3 hours
	One of the following teaching-field methods courses ( <i>offered Fall only</i> ):	3 hours
MSET 429*	Teaching of Secondary Mathematics	
MSET 431	Teaching of Secondary Sciences	
LLSS 432	Teaching of Social Studies	
LLSS 436	Teaching of English	
LLSS 480*	Second Language Pedagogy	

#### **Student Teaching Courses (*offered spring only*)**

EDUC 462	Student Teaching	9 hours
EDUC 464	Student Teaching Seminar	3 hours

EDUC 362: Teaching Experience I and EDUC 462: Student Teaching require a field experience in a secondary school. In EDUC 362: Teaching Experience I, students spend one period per day, Monday-Friday, in a secondary school classroom with the same teacher and group of students each day. Students in EDUC 362: Teaching Experience I begin their field experience at the beginning of the public school semester, in order to observe and document their cooperating teacher's work in establishing a classroom community and management system. EDUC 462: Student Teaching requires full-time teaching and related

educational responsibilities (all day, Monday-Friday) for one semester. A total of 12 credit hours are required for this experience, which includes EDUC 462: Student Teaching (9 hours) and EDUC 464: Student Teaching Seminar (3 hours). EDUC 462: Student Teaching adheres to the public school calendar at the beginning of the spring semester, but ends in alignment with the conclusion of the UNM spring semester in May.

Students are encouraged to consult the COE Advisement Center early in their college careers to ensure that they finish their program in a timely manner. See introductory information in the College of Education section in this catalog regarding application for licensure following completion of all requirements for the B.A.Ed. or B.S.Ed. in Secondary Education.

**NOTE: Changes in UNM/New Mexico curricular requirements or state educational reform initiatives may require periodic revisions of the curriculum and admissions process.**