Policy Studies in Language and Cross-Cultural Education

In the College of Education

OFFICE: Education and Business Administration 248
TELEPHONE: 619-594-5155 / FAX: 619-594-1183

Accredited by the California Commission on Teacher Credentialing.

Faculty
Emeritus: Espinosa, Jones, Kuhlman, Ochoa
Interim Chair: Rodriguez
Professors: Cadiero-Kaplan, Rodriguez
Associate Professor: Alfaro
Assistant Professors: Aquino-Sterling, Billings
Lecturers: Aste, Collins-Parks, Maherronaghsh, Sparaco

Offered by the Department
Master of Arts degree in education.

Multiple subject bilingual teaching credential.

Single subject bilingual teaching credential.

Bilingual multiple subject and special education credential
(refer to the Graduate Bulletin).

Academic literacy development for English language learners
certificate (refer to the Graduate Bulletin).

Dual language biliteracy certificate (refer to the Graduate Bulletin).

The Major

The Policy Studies Department offers programs leading toward the bilingual credential for single and multiple subject (secondary and elementary).

With the passage of Proposition 227, requiring all students in public schools be taught in English unless a school has received a waiver, the Policy Studies Department and the College of Education remains committed to the training of teachers for bilingual authorization as the most desirable credential in California. Furthermore, the university is committed with developing leaders in cultural, economic, educational, scientific, social, and technical fields, as well as addressing the linguistic diversity of school communities. The university is primarily responsive to the people of California, as well as to the needs of the regional, national, and international communities it serves.

Multiple Subject Bilingual 2042 Credential
(Elementary K-6 Education):
Spanish, Arabic, Filipino, Japanese, and Mandarin Emphasis
(Credential Code: 00200)

The Multiple Subject Bilingual 2042 Credential (Elementary K-6 Education) is available to students interested in teaching in a bilingual Spanish, Arabic, Filipino, Japanese, or Mandarin elementary school classroom. This credential authorizes the holder to teach in any self-contained bilingual or regular classroom in which one teacher is responsible for all the subjects commonly taught in the elementary schools. Because courses on methods of teaching subject areas are taught in Spanish, Arabic, Filipino, Japanese, or Mandarin, as well as English, candidates must meet the respective language of emphasis proficiency requirements as outlined below.

Candidates who will pursue this credential need to specify “Multiple Subject Credential – Bilingual” in the application for graduate admission to SDSU (Code: 00200). Students applying for admission should electronically submit the university application available at http://www.csumentor.edu along with the $55 application fee.

All applicants must submit admissions materials separately to SDSU Graduate Admissions and to the Policy Studies in Language and Cross-Cultural Education Department.

Graduate Admissions

The following materials should be submitted as a complete package directly to:

Graduate Admissions
Enrollment Services
San Diego State University
San Diego, CA 92182-7416

(1) Official transcripts (in sealed envelopes) from all postsecondary institutions attended;

Note:
• Students who attended SDSU need only submit transcripts for work completed since last attendance.
• Students with international coursework must submit both the official transcript and proof of degree. If documents are in a language other than English, they must be accompanied by a certified English translation.

(2) TOEFL score, if medium of instruction was in a language other than English (http://www.ets.org, SDSU institution code 4682).

Policy Studies in Language and Cross-Cultural Education Department

(1) Complete department application (available at the department Web site);

(2) California Basic Educational Skills Test (CBEST) scores;

(3) Demonstration of Language and Cultural Proficiency:
   • Spanish: Completion of PLC 415 or copies of CSET LOTE subtests III and V for Spanish language emphasis;
   • Japanese and Mandarin: Copy of CSET LOTE subtests I and V for language of emphasis;
   • Arabic and Filipino: Copy of CSET LOTE subtests II and V for language of emphasis;

(4) TB test results;

(5) Three letters of recommendation, one of which must be from an elementary teacher if multiple subject or from a secondary teacher if single subject;

(6) Verification of early field experience (30 hours for multiple subject) or completion of PLC 415;

(7) Certificate of clearance (live scan);

(8) CPR that includes infant/child/adult;

(9) Autobiography/Goals and Philosophy. Candidates must complete a 1-1/2 page essay of their goals and philosophy in education and a 1-1/2 page autobiography in language of emphasis and English. Submit original and four sets of each essay with your PLC application;

(10) California Subject Examination for Teachers (CSET) scores.

Standards for Admission

1. CBEST. Students must pass the California Basic Educational Skills Test prior to admission to the bilingual credential program. This examination is required by the Commission on Teacher Credentialing. Booklets containing registration forms and test information are available at http://www.cbest.ets.org.

2. Subject Matter Competency. Students must verify completion of subject matter competency in diversified subjects commonly taught in self-contained classrooms prior to admission to the bilingual credential program. To be admitted to the bilingual credential program, a candidate shall have achieved a passing score on the California Subject Examination for Teachers (CSET) that is required for the credential sought. Registration information and materials for the CSET are available at http://www.cset.nesinc.com.
3. **Prerequisite Courses.** The following courses must be completed with a grade of “C” or better prior to admission to the program, but may be in progress at the time of application or taken in the term immediately prior to the program start date.

**Liberal Studies Majors.**

- PLC 515 Multilingual Education: Theory and Practice for Biliteracy Teachers .......................... 3 units
- ED 451 Introduction to Multicultural Education .................................................. 3 units
- SPED 500 Human Exceptionality .......................................................... 3 units
- TE 280 Health Education for Teachers........................................... 1 unit

**Non-Liberal Studies Majors (must take the above and below prerequisite).**

MATH 210** Number Systems in Elementary Education ........................................... 3 units

**With approval of the mathematics adviser, any of the following mathematics courses may be substituted for Mathematics 210: Mathematics 121, 150, 312.

4. **Grade Point Average.** Candidates must have cumulative grade point averages (GPAs) within the upper one-half of undergraduate students in the candidates' majors. GPAs vary according to discipline and graduating institution. GPA requirements are available in the Policy Studies in Language and Cross-Cultural Education Department (PLC). EBA-248, Candidates are required to submit two sets of official transcripts from all colleges and universities attended and unofficial SDSU transcripts for GPA calculations.

5. **Letter of Recommendation.** Two professional references and one letter of recommendation must be submitted attesting to the applicants following characteristics: (a) attitude, aptitude and ability to teach children; (b) personality and character; (c) academic ability. At least one letter should be from an elementary school teacher the student has worked with and the others may be from faculty and administrators.

6. **Tuberculin Clearance.** Evidence of a negative tuberculin test (these tests are valid for four years and must be in effect during the time that candidates are enrolled in the credential program). Clearance statements may be secured from Health Services, private physicians or HMOs, or public health agencies.

7. **Early Field Experience.** Applicants must provide evidence of a minimum of 30 hours of experience with students in typical elementary classroom settings within the last three years. Evidence must be documented.

8. **Written Statement of Professional Goals and Philosophy and Interview.** Candidates will have an interview with the admissions and retention committee of the PLC Department.

9. **California Certificate of Clearance.** This certificate represents a background clearance and check conducted by the State Department of Justice and Federal Bureau of Investigation. Turnaround time for the clearance can take as long as eight months. Possessors of K-12 California credentials may satisfy this requirement by submitting copies of those certificates. Candidates must submit the application directly to the California Commission on Teacher Credentialing. A copy of the application must be provided to the PLC Department.

10. **Credential Advising Appointment.** Each applicant must meet with a faculty adviser to plan an appropriate program, which includes a minimum of 31 units as defined by the California Commission on Teacher Credentialing. Make appointment in EBA-248, telephone 619-594-5155.

11. **Language and Culture Proficiency.** All candidates must meet Language Proficiency and Cultural Awareness requirements for the language of emphasis to meet their specific Bilingual Authorization.

12. **Reading Instruction Competence Assessment (RICA).** California Education Code Section 44293 requires that candidates for the preliminary or clear credential multiple subject pass this RICA requirement. The purpose of this assessment is to ensure that the candidate possess the knowledge and skills important for the provision of effective reading instruction to students. The RICA requirement applies to candidates who did not complete all credential requirements prior to October 1, 1998. Candidates must have passed the RICA in order to be able to file for the credential.

13. **Appeals Process.** Candidates who do not meet all the admission requirements may petition the PLC Department Admissions and Retention Committee for individual consideration; petition letters must be submitted concurrently with the application packets.

14. **Application.** Applicants should complete application procedures the semester prior to beginning the credential program. Call the department for Policy Studies application deadlines.

In addition to the minimum admissions standards identified above, the PLC Department Admissions and Retention Committee may also consider qualifications such as previous teaching experience and relevant working experience with children. Due to the number of applicants, application to the program does not ensure admission.

**Multiple Subject Bilingual 2042 Program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLC 523</td>
<td>Psychological Foundations for Biliteracy Teachers in K-6 Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>PLC 532</td>
<td>Biliteracy Teaching in Language Arts for Elementary Students</td>
<td>3</td>
</tr>
<tr>
<td>PLC 910</td>
<td>Teaching Mathematics to Bilingual Elementary Students</td>
<td>3</td>
</tr>
<tr>
<td>PLC 911</td>
<td>Teaching Social Studies to Bilingual Elementary Students</td>
<td>3</td>
</tr>
<tr>
<td>PLC 912</td>
<td>Teaching Science to Bilingual Elementary Students</td>
<td>3</td>
</tr>
<tr>
<td>PLC 915A</td>
<td>Teaching Science and Learning in the Content Area: English Language Development/SDAE: Multiple Subjects</td>
<td>3</td>
</tr>
<tr>
<td>PLC 931</td>
<td>Skills in Teaching Reading to Bilingual Elementary Students</td>
<td>3</td>
</tr>
<tr>
<td>PLC 954</td>
<td>Classroom Organization for Democratic Teaching in Bilingual Classrooms</td>
<td>1-4</td>
</tr>
<tr>
<td>PLC 960</td>
<td>Professional Seminar for Bilingual Teacher Candidates (Cr/NC)</td>
<td>1-4</td>
</tr>
<tr>
<td>PLC 961</td>
<td>Practicum in Elementary Bilingual Classroom (Cr/NC)</td>
<td>1-12</td>
</tr>
<tr>
<td>PLC 962</td>
<td>Student Teaching for Elementary Bilingual Students I (Cr/NC)</td>
<td>8</td>
</tr>
<tr>
<td>ED 970</td>
<td>Teaching Event Assessment (Cr/NC)</td>
<td>3</td>
</tr>
<tr>
<td>EDTEC 470</td>
<td>Technologies for Teaching</td>
<td>3</td>
</tr>
</tbody>
</table>

**Preliminary 2042 Credential Requirements**

1. A bachelor's degree (or higher) with any major other than education.
2. Completion of an approved program of professional education. (See Department of Policy Studies in Language and Cross-Cultural Education for further information.)
3. Passage of Multiple Subject/CSET.
4. Demonstrated knowledge of principles and provisions of United States Constitution through successful completion of three-unit college level course or examination. Courses are listed in General Catalog section on “Graduation Requirements,” IV. American Institutions Requirement.
5. Passage of California Basic Educational Skills Test (CBEST).
6. Passage of Reading Instruction Competence Assessment (RICA) Test.
7. Demonstrated knowledge of the needs of and methods of providing educational opportunities to individuals with exceptional needs: Special Education 500.
8. Demonstrated knowledge of computer hardware, software, and applications to educational/classroom use (computer literacy): Educational Technology 470 or Special Education 560.
9. Knowledge of health education in California, including substance abuse and nutrition: Teacher Education 280 – Health Education for Teachers (1 unit) and verification of CPR competency.
10. Successful completion of the Performance Assessment for California Teachers (PACT).

**NOTE:** Undergraduate students in their final semester prior to obtaining a baccalaureate degree may sign up for concurrent post-baccalaureate credit as explained in the section of this catalog on “General Regulations.”
According to SB 2042 legislation, teachers will be able to earn Professional Clear Credentials upon successful completion of induction programs sponsored by their employers and approved by the California Commission on Teacher Credentialing. To be recommended for the bilingual authorization, candidates must meet the language and cultural proficiency requirements.

Single Subject Bilingual 2042 Credential (Secondary Education Grades 7-12): Spanish Emphasis
(Credential Code: 00100)

The Single Subject Bilingual (Spanish) Teaching Credential (Secondary Education) is available for students interested in teaching in a bilingual middle or secondary school classroom. This credential authorizes the holder to teach in any self-contained bilingual or regular classroom in which one teacher is responsible for teaching the given subject area.

Candidates who will pursue this credential need to specify “Single Subject Bilingual” in the application for graduate admission to SDSU (Code: 00100). Students applying for admission should electronically submit the university application available at http://www.csumentor.edu along with the $55 application fee.

All applicants must submit admissions materials separately to SDSU Graduation Admissions and to the Policy Studies in Language and Cross-Cultural Education Department.

Graduate Admissions

The following materials should be submitted as a complete package directly to:

Graduate Admissions
Enrollment Services
San Diego State University
San Diego, CA 92182-7416

(1) Official transcripts (in sealed envelopes) from all postsecondary institutions attended;
Note:
• Students who attended SDSU need only submit transcripts for work completed since last attendance.
• Students with international coursework must submit both the official transcript and proof of degree. If documents are in a language other than English, they must be accompanied by a certified English translation.

(2) TOEFL score, if medium of instruction was in a language other than English (http://www.ets.org, SDSU institution code 4682);

Policy Studies in Language and Cross-Cultural Education Department

(1) Complete department application (available at the department Web site);
(2) California Subject Examination for Teachers (CSET) scores or adviser recommendation;
(3) California Basic Educational Skills Test (CBEST) scores;
(4) Demonstration of Language and Cultural Proficiency:
• Spanish: Completion of PLC 415 or copies of CSET LOTE subtests III and V for Spanish language emphasis;
(5) TB verification;
(6) Three letters of recommendation, one of which must be from an elementary teacher if multiple subject or from a secondary teacher if single subject;
(7) Verification of early field experience (45 hours for single subject);
(8) Certificate of clearance (live scan);
(9) CPR that includes infant/child/adult;
(10) Autobiography/Goals and Philosophy. Candidates must complete a 1-1/2 page essay of their goals and philosophy in education and a 1-1/2 page autobiography in Spanish and English. Submit original and four sets of each essay with your PLC application.

Standards for Admission

1. CBEST. Students must pass the California Basic Educational Skills Test (CBEST) prior to admission to the Single Subject Bilingual Emphasis credential program. Candidates are urged to take this examination as early as possible. This examination is required by the California Commission on Teacher Credentialing. Booklets containing registration forms and test information are available at http://www.cbest.thesite.com.

2. Subject Matter Competency. Students must verify competency in a specified single subject area through a university assessment process which consists of reviewing coursework for completion of an approved teaching major or its equivalent at San Diego State University or another approved California teacher-training institution or through California Subject Examinations for Teachers (CSET). Competency will be assessed and verified by subject matter departments at SDSU. Requirements for the various single subject majors are listed with the academic majors in the General Catalog. Test scores submitted for verification of subject matter competency are valid for five years from the date of the examination. Information and registration materials are available at http://www.cset.thesite.com.

3. Prerequisite Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLC 515 Multilingual Education: Theory and Practice</td>
<td>3 units</td>
</tr>
<tr>
<td>ED 451 Introduction to Multicultural Education</td>
<td>3 units</td>
</tr>
<tr>
<td>SPED 500 Human Exceptionality</td>
<td>3 units</td>
</tr>
<tr>
<td>TE 280 Health Education for Teachers</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

4. Grade Point Average. Candidates must have cumulative grade point averages (GPAs) within the upper one-half of undergraduate students in the candidates’ majors. GPAs vary according to discipline and graduating institution. GPA requirements are available in the Policy Studies in Language and Cross-Cultural Education Department (PLC), EBA-248. Candidates are required to submit two sets of official transcripts from all colleges and universities attended and unofficial SDSU transcripts for GPA calculations.

5. Letter of Recommendation. Two professional references and one letter of recommendation must be submitted attesting to the applicant’s following characteristics: (a) attitude, aptitude and ability to teach children; (b) personality and character; (c) academic ability. Letter of recommendation should be from a school teacher whom the student has worked and the others may be from faculty and administrators.

6. Tuberculin Clearance. Evidence of a negative tuberculous test (these tests are valid for four years and must be in effect during the time that candidates are enrolled in the credential program). Clearance statements may be secured from Health Services, private physicians or HMOs, or public health agencies.

7. Early Field Experience. Applicants must provide evidence of a minimum of 45 hours of experience with adolescent students in typical classroom settings within the three years. Evidence must be documented.

8. Oral English and Written Statement of Professional Goals and Philosophy. Have an interview with the admissions and retention committee of the PLC Department.

9. California Certificate of Clearance. This certificate represents a background clearance and check conducted by the State Department of Justice and Federal Bureau of Investigation. Turnaround time for the clearance can take as long as eight months. Possessors of K-12 California credentials may satisfy this requirement by submitting copies of those certificates. Candidates must submit the application directly to the California Commission on Teacher Credentialing. A copy of the application must be provided to the PLC Department.

10. Credential Advising Appointment. Each applicant must meet with a faculty adviser to plan an appropriate program, which includes a minimum of 31 units as defined by the Commission on Teacher Credentialing. Appointments can be made in EBA-248, telephone 619-594-5155.
11. Language and Culture Proficiency. All candidates must meet Language Proficiency and Cultural Awareness requirements for the language of emphasis to meet their specific bilingual authorization.

12. Appeals Process. Candidates who do not meet all the admission requirements may petition the PLC Department Admissions and Retention Committee for individual consideration; petition letters must be submitted concurrently with the application packets.

13. Application. Applicants should complete application procedures the semester prior to beginning the credential program. Call the department for PLC application deadline.

In addition to the minimum admissions standards identified above, the PLC Department Admissions and Retention Committee may also consider qualifications such as previous teaching experience and relevant working experience with children. Due to the number of applicants, application to the program does not ensure admission.

PLC 400 The Secondary School and Bilingual Education .................................................. 3
PLC 524 Psychological Foundations for Biliteracy Teachers in Grades 7-12 ...................... 1-4
PLC 915B Teaching and Learning in the Content Area: English Language Development/ Specially Designed Academic Instruction..... 3
PLC 933 Skills in Teaching Reading to Bilingual Secondary Students ............................. 3
PLC 953 Language Development in Bilingual Secondary Classrooms ........................... 3
PLC 954 Humanistic and Social Aspects of Teaching in the Bilingual Classroom ............... 3
PLC 963 Practicum in Secondary Bilingual Classroom (Cr/NC) ................................... 3-4
PLC 964 Student Teaching for Bilingual Secondary Students II ................................ 8-12
ED 970 Teaching Event Assessment (Cr/NC) .................................................. 3
EDTEC 470 Technologies for Teaching ................................................................. 3
TE 914 Teaching and Learning in the Content Area: Major ........................................... 3

Preliminary Credential Requirements

1. A bachelor's degree with one of the approved single subject majors listed in the School of Teacher Education single subject teaching credential catalog section. Credentials can be granted only in the designated single subject credential areas.

2. Completion of an approved program of professional education. (See Department of Policy Studies in Language and Cross-Cultural Education for further information about the approved programs.)

3. MAJOR ADVISER’S RECOMMENDATION. Passage of subject matter examination(s) or waiver thereof through completion of one of the approved single subject credential majors with a written recommendation from the Ryan major adviser.

Candidates applying for the Single Subject Credential program after August 31, 1995 who have not satisfied subject matter competency through coursework or PRAXIS examination(s), must take and pass a new set of examinations for the Single Subject Credential in seven areas: biology#, chemistry#, English language arts, geoscience#, mathematics, physics#, and social science. Candidates for the science authorizations (noted with #) must also take and pass a general science examination. Candidates should check with the Policy Studies in Language and Cross-Cultural Education Department (PLC), EBA-248, to clarify the appropriate means for satisfaction of the subject matter competency requirement.

4. Demonstrated knowledge of principles and provisions of United States Constitution through successful completion of three-unit college level course or examination. Courses are listed in General Catalog section on “Graduation Requirements.” IV. American Institutions Requirement.

5. Passage of California Basic Educational Skills Test (CBEST).

6. Completion of an approved fifth year program (a minimum of 30 upper division or graduate-level postbaccalaureate units).

7. Demonstrate knowledge of the needs of and methods of providing educational opportunities to individuals with exceptional needs: Special Education 500.

8. Demonstrated knowledge of computer hardware, software, and applications to educational/classroom use (computer literacy): Educational Technology 470 or Special Education 560.

9. Knowledge of health education in California, including substance abuse and nutrition: Teacher Education 280 – Health Education for Teachers in Grades 7-12 and verification of current CPR competency.

10. Successful completion of the Performance Assessment for California Teachers (PACT).

NOTE: Undergraduate students in their final semester prior to obtaining a baccalaureate degree may sign up for concurrent post-baccalaureate credit as explained in the section of this catalog on “General Regulations.”

According to SB 2042 legislation, teachers will be able to earn Professional Clear Credentials upon successful completion of induction programs sponsored by their employers and approved by the California Commission on Teacher Credentialing.

To be recommended for the bilingual authorization, candidates must meet the language and cultural proficiency requirements.


Courses (PLC)
Refer to Courses and Curricula and University Policies sections of this catalog for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

UPPER DIVISION COURSES
(Intended for Undergraduates)

PLC 400. The Secondary School and Bilingual Education (3)
Prerequisite: Upper division standing.
Bilingual education at the secondary levels, including roles, curricular models, organization, and legal justification. Must demonstrate bilingual competencies before conclusion of course and admission to program. Taught in Spanish.

PLC 415. Biliteracy Foundations for Teaching and Learning in Diverse Communities (4)
Three lectures and two hours of activity.
Prerequisite: Upper division standing.
Oral, written, and communicative competencies in Spanish through practical experiences and study of socio-political and socio-cultural contexts impacting bilingual learners in culturally and linguistically diverse communities. Maximum credit eight units.

PLC 496. Experimental Topics (1-4)
Selected topics. May be repeated with new content. See Class Schedule for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.

PLC 499. Special Study (1-3)
Prerequisite: Consent of instructor. Open only to senior and graduate students in education who have shown ability to work independently.
Individual study. Maximum credit six units.

UPPER DIVISION COURSES
(Also Acceptable for Advanced Degrees)

PLC 515. Multilingual Education: Theory and Practice for Biliteracy Teachers (3)
Pedagogical and programmatic practices for addressing linguistic and academic needs of multilingual learners. Historical and theoretical foundations of bilingual education as related to bilingual and dual language programs to include instruction, curriculum, and assessment. Taught in Spanish and English.

PLC 523. Psychological Foundations for Biliteracy Teachers in K-6 Classrooms (3)
Major theories of learning and cognition as applied to bilingual students and their relation to child development, first and second language acquisition, and approaches to teaching in bilingual classroom. (Formerly numbered Policy Studies in Language and Cross-Cultural Education 923.)

PLC 524. Psychological Foundations for Biliteracy Teachers in Grades 7-12 (1-4)
Bilingual learning theory as it affects adolescent growth, individualized instruction, classroom management and discipline, and methods of measuring and evaluating achievement. Taught in Spanish and English. May be repeated with new content. See Class Schedule for specific content. Maximum credit four units. (Formerly numbered Policy Studies in Language and Cross-Cultural Education 924.)

PLC 532. Biliteracy Teaching in Language Arts for Elementary Students (3)
Prerequisites: Policy Studies in Language and Cross-Cultural Education 415 and 515.
Assessing language proficiency; selecting, designing, and evaluating learning experiences to develop biliteracy in K-6 classrooms in English language arts and Spanish, Arabic, Filipino, Japanese, or Mandarin. Taught bilingually in language of emphasis and English. (Formerly numbered Policy Studies in Language and Cross-Cultural Education 932.)

PLC 553. Language Assessment and Evaluation in Multicultural Settings (3)
Theories and methods of assessment and evaluation of diverse student populations including authentic and traditional models. Procedures for identification, placement, and monitoring of linguistically diverse students. Theories, models, and methods for program evaluation, achievement, and decision making.

PLC 596. Special Topics in Bilingual and Multicultural Education (1-3)
Prerequisite: Consent of instructor.
Selected topics in bilingual, cross-cultural education and policy studies. May be repeated with new content. See Class Schedule for specific content. Credit for 596 and 696 applicable to a master's degree with approval of the graduate adviser.

GRADUATE COURSES
Refer to the Graduate Bulletin.