I. Call to Order
   • The UCC Meeting Minutes for 01-12-2017 were electronically approved.

II. Thomas Harriot College of Arts and Sciences
    Department of Political Science
    (Jonathan S. Morris)

1. Proposal to Unbank Existing Courses: POLS 3235, POLS 3013

   Memorandum:

   Due to losses in personnel, the POLS 3013 Decision Making in the United Nations and POLS 3235 East European Political Systems were banked several years ago. Recent changes in faculty have allowed the opportunity to offer these courses. Suggested to revise the rationale to include how unbanking these courses will respond to students’ needs.
POLS 3013: Decision Making in the United Nations
- Add a sentence to the justification to strengthen the rationale in term of student and societal needs.
- Consider revising the course description from “...and practiced through participating in model United Nations conference activities” to “Practiced through participating in model United Nations Conference activities.”
- Move the explanation in box 8 to box 9 and consider deleting “their” in line two. This would make the item parallel with the previous line. (Applies to POLS 3235 also.)
- Suggested edit to learning outcome--replace explore with either discuss, explain, synthesize, appraise, etc.)

-POLS 3235 East European Political Systems
- Improve the justification.
- Suggested edit to learning outcomes--change third one (“Demonstrate and understanding” to “Demonstrate an understanding.”)
- Delete the section specifying requirements for the “Country” folder presentation.

Action: Approved as amended.

III. College of Education
Department of Interdisciplinary Professions
(Kathy Lohr)

1. Proposal of New Courses: ADED 4210, 4220, 4230

Discussion/Revisions:
- The marked catalog copy needs to include new course descriptions and the text for each new course should be identical to the catalog description in the course proposal.
- May want to check face to face for possible future forms of delivery in case the format is changed in the future.
- Discussion about how to convey to students in the catalog that enrollment is limited to certain populations (Army). Several suggestions were made.

Action: Approved as amended.

IV. College of Education
Department of Special Education, Foundations and Research
(Guili Zhang)

1. Proposal of New Courses: SPED 3003, 4001
2. Revision of an Existing Degree: Special Education, Adapted Curriculum, BS

Discussion/Revisions:
- Edit the title of SPED 4001 to remove ‘for students”. Under required reading just list “journals”. Submit title and course descriptions changes to the catalog pages.

Action: Approved as amended.

V. Thomas Harriot College of Arts and Sciences
Department of Foreign Languages and Literatures
(Purification Martinez)

1. **Proposal of New Course:** SPAN 3003  
2. **Revision of Existing Degree: Foreign Languages and Literatures** (Hispanic Studies, Hispanic Studies Education Concentrations)  
3. **Revision of Existing Minor:** Hispanic Studies

**Discussion/Revisions:**

- Add rationale for SPAN 2110 and make sure justification includes that course is primarily for heritage speakers. A couple of typos mentioned.
- Remove the list of assignments from the course proposal since that level of details is not needed.
- Hispanic studies concentration--Statement in catalog needs to be edited to clarify which course should be taken since “or” is confusing. Described rationale to the decreasing credits in the minor.

**Action:** Approved as amended.

VI. **Thomas Harriot College of Arts and Sciences**  
Department of Biology  
(Jean-Luc Scemama and Allison Dannell)

1. **Proposal of New Undergraduate Concentrations:** Biology, Chemistry  
2. **Revision of an Existing Degree:** Biochemistry, BS

**Discussion/Revisions:**

The proposed revisions outlined in the memorandum are:

- Offer 2 concentrations in the B.S. Biochemistry degree; Biology and Chemistry.
- Reduction of the number of required hours for the degree to 120 s.h.
  - Memo: In second bulleted item (“students prefer to take Math 1083”), revise this justification to reflect faculty assessment of what course should be included in curriculum.
  - Need to add “2.0” after “minimum C.” Suggested edits to MATH course selected—1065, 1083, 2121, and 2171.
  - Delete the detailed information under the teaching strategies. Suggested edits to the course description.

**Action:** Approved as amended.

VII. **Thomas Harriot College of Arts and Sciences**  
Department of Biology  
(Jean-Luc Scemama)

1. **Proposal of New Course:** BIOL 4560  
2. **Revision of an Existing Course:** BIOL 1060  
3. **Revision of an Existing Degree:** Biology, BS
Discussion/Revisions:

Memorandum of request, course proposals and catalog pages are clear and well prepared. A suggested edit to BIOL 1060: Include the information from the BIOL 1060 course justification in the memo justification. Under learning outcomes (18B): remove the “to” at the beginning of line 3.

Action: Approved as amended.

VIII. Old Business

Discussion/Revision: Currently the Curriculog team is testing workflow and checking the logistics. Items will be submitted and approved electronically. Demonstration will be at the next UCC meeting. A change to the level of approval document was to continue to have new course proposals reviewed by curriculum and approval by Faculty Senate and the Chancellor. Curriculog will facilitate mapping of learning outcomes and assessment. Curriculog will be integrated with Acalog and then Banner.

IX. New Business: None

Adjourned: 4:10

Minutes submitted by: J. Bowman.

Next meeting February 9, 2017
<table>
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POL 3013 - Decision Making in the United Nations

3
May be repeated once for a maximum of 6 s.h. Development of debate and decision-making skills regarding issues before the United Nations. Practiced through participating in model United Nations conference activities.

POL 3235 - East European Political Systems

3

Department of Political Science

Alethia H. Cook, Chair, A-124 Brewster Building
Jonathan S. Morris, Director of Undergraduate Studies, A-121 Brewster Building

Faculty

- Department of Political Science Faculty

Programs

Bachelor’s

- Political Science, BA
- Political Science, BS

Departmental Honors

- Political Sciences Honors
Minor

- Comparative Government and International Relations Minor
- Political Science Minor
- Public Administration Minor

Courses

Political Science

- POLS 1010 - National Government
- POLS 1050 - Politics and Global Understanding
- POLS 2010 - Introduction to Comparative Government and Politics
- POLS 2020 - Introduction to International Relations
- POLS 2070 - Introduction to Political Theory
- POLS 2090 - Writing for Political Science
- POLS 3006 - Topics in American Politics
- POLS 3007 - Selected Topics in International Relations and Comparative Politics
- POLS 3008 - Topics in Political Theory
- POLS 3009 - Topics in Public Administration and Public Policy
- POLS 3012 - Politics Through Film
- POLS 3013 - Decision Making in the United Nations
- POLS 3031 - Research Design for Political Science
- POLS 3032 - Statistical Methods for Political Science
- POLS 3033 - Voting Behavior and Public Opinion
- POLS 3034 - Political Marketing
- POLS 3035 - American Political Parties and Politics
- POLS 3037 - Campaigns and Elections
- POLS 3039 - Black Politics in America
- POLS 3040 - Women in Politics
- POLS 3041 - Women and Public Policy
- POLS 3042 - American Politics Through Music
- POLS 3045 - Humor and American Politics
- POLS 3050 - Theory and Politics of Social and Protest Movements in the United States
- POLS 3080 - Security and Weapons of Mass Destruction
- POLS 3090 - Religion and American Politics
- POLS 3140 - Politics of Globalization
- POLS 3144 - American Foreign Policy
- POLS 3155 - National Security Policy
- POLS 3180 - The U.S. Intelligence Community
- POLS 3202 - The American Legislature
- POLS 3203 - The American Executive
- POLS 3204 - The American Judiciary
- POLS 3223 - Constitutional Powers
- POLS 3224 - Civil Liberties
• POLS 3232 - The European Union
• POLS 3234 - West European Political Systems
• **POLS 3235 - East European Political Systems**
• POLS 3236 - Russian Politics
• POLS 3240 - State and Local Government
• POLS 3241 - Urban Political Systems
• POLS 3244 - North Carolina Politics
• POLS 3252 - Public Administration
• POLS 3253 - Government Fiscal Administration
• POLS 3255 - Domestic Public Policy
• POLS 3260 - Middle Eastern Political Systems
• POLS 3265 - African Political Systems
• POLS 3282 - East Asian Political Systems
• POLS 3290 - Conflict and Peace in the Post-Cold War Era
• POLS 3291 - Politics of Genocide in the Twentieth Century
• POLS 3293 - International Organizations
• POLS 3295 - International Law
• POLS 3297 - International Political Economy
• POLS 4000 - Political Leadership
• POLS 4125 - Comparative Constitutional Law
• POLS 4175 - Legal Negotiation and Analysis
• POLS 4310 - Public Policy and the Media
• POLS 4321 - Contemporary Southern Politics
• POLS 4360 - Politics of Developing Areas
• POLS 4382 - Politics of Terrorism
• POLS 4383 - War in the Modern Age
• POLS 4501 - Independent Study in Political Science
• POLS 4502 - Independent Study in Political Science
• POLS 4521 - Directed Readings in Political Science
• POLS 4522 - Directed Readings in Political Science
• POLS 4551 - Honors
• POLS 4552 - Honors
• POLS 4981 - Internship in Practical Politics
• POLS 4982 - Internship in Practical Politics
• POLS 4991 - Internship in Public Administration
• POLS 4992 - Internship in Public Administration
• POLS 4996 - Capitol Experience

**Political Science Banked Courses**

• **POLS 3013** - Decision Making In the United Nations
• **POLS 3235** - East European Political Systems
• POLS 3242 - Municipal Policy and Administration
• POLS 3243 - Comparative State Politics
• POLS 3256 - Environmental Politics
• POLS 3257 - International Environmental Policy
- POLS 3270 - Latin-American Political Systems
- POLS 3280 - South Asian Political Systems
- POLS 3282 - East Asian Political Systems
- POLS 3370 - American Political Thought
- POLS 4107 - Topics in Comparative Politics
- POLS 4380 - Topics in International Politics
- POLS 4384 - Inter-American Relations
ADED 4210 - Writing Training Materials

3

Approaches and guidelines for the documentation of content used in training materials.

ADED 4220 - History and Philosophy of Adult Education

3

Overview of the historical and philosophical roots of adult education in the US from the 1800s to the present.

ADED 4230 - Evaluation and Assessment in Education

3

Procedures for designing or selecting, administering, and interpreting a variety of assessment measures for use in adult learning environments, as well as the design and interpretation of a course evaluation.

Courses

Adult Education

- ADED 4100 - Introduction to Teaching Adults
- ADED 4150 - Instructional Methods
- ADED 4210 - Writing Training Materials
- ADED 4220 - History and Philosophy of Adult Education
- ADED 4230 - Evaluation and Assessment in Education

[URL]

SPED 3003 - Academic Instruction for Students in the Adapted Curriculum

3 F

P: SPED 2200. Instructional strategies for teaching reading, mathematics, and science for students in the adapted curriculum. Students normally expected to provide personal transportation to service learning site.

SPED 4001 - Instructional Programming and Transition Planning in the Adapted Curriculum

3 F

P: SPED 3200, SPED 3209. Instructional programming related to developing individual education plans and transition planning across the lifespan in the adapted curriculum.

[URL]

Special Education

- SPED 2000 - Introduction to Exceptional Children
- SPED 2100 - Introduction to Students with Disabilities in the General Curriculum
- SPED 2109 - Introductory Practicum with Students with Disabilities in the General Curriculum
- SPED 2123 - Early Experiences for Prospective Teachers
- SPED 2200 - Introduction to Students with Disabilities in the Adapted Curriculum
- SPED 2209 - Introductory Practicum with Students with Disabilities in the Adapted Curriculum
- SPED 3001 - Assessing Students with Disabilities
- **SPED 3003 - Academic Instruction for Students in the Adapted Curriculum**
- SPED 3004 - Managing the Learning Environment
- SPED 3005 - Instructional Programming in Special Education
- SPED 3006 - Augmentative and Alternative Communication for Students with Disabilities
- SPED 3007 - Managing the Physical Needs of Learners with Disabilities
- SPED 3100 - Instructional Methods for Students with Disabilities in the General Curriculum
- SPED 3109 - Instructional Practicum for Exceptional Children in the General Curriculum
- SPED 3200 - Instructional Methods for Students with Disabilities in the Adapted Curriculum
- SPED 3209 - Instructional Practicum for Students with Disabilities in the Adapted Curriculum
- SPED 3510 - Methods in Early Childhood Special Education
- SPED 3511 - Practicum in Early Childhood Special Education
- SPED 4000 - Technology in Special Education
- **SPED 4001 - Instructional Programming and Transition Planning in the Adapted Curriculum**
- SPED 4010 - Effective Instruction in Inclusive Classrooms
- SPED 4020 - Teaching Students with Exceptionalities in Elementary Classrooms
- SPED 4100 - Issues and Strategies for Students with Disabilities in the General and Adapted Curricula
- SPED 4300 - Practicum in Special Education
- SPED 4320 - Communication and Collaboration in Special Education
- SPED 4324 - Internship in Special Education
- SPED 4353 - Seminar in Learning Disabilities
- SPED 4354 - Seminar in Behaviorally Emotionally Handicapped
- SPED 5101 - Introduction to Individuals with Disabilities
- SPED 5102 - Perspectives in Intellectual Disabilities
- SPED 5301 - Tests and Measurements in Special Education
- SPED 5501 - Minor Problems in Special Education
- SPED 5502 - Minor Problems in Special Education

http://catalog.ecu.edu/preview_program.php?catoid=10&poid=2379

**Special Education, Adapted Curriculum, BS**

Minimum degree requirement is **128 s.h.** of credit as follows:
1. Foundations curriculum requirements including those listed below - 42 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- ART 3850 - Art in the Elementary School
- COMM 2410 - Public Speaking
- ENGL 2950 - Literature for Children

- MATH 2127 - Basic Concepts of Mathematics or
- MATH 1065 - College Algebra

- MUSC 3048 - Music for Exceptional Children
- PSYC 1000 - Introductory Psychology
- PSYC 2777 - Ethnocultural Psychology
- Choose 8 s.h. BIOL, CHEM, PHYS, or GEOL (FC:SC)
- Choose a history course (FC:SO)
- Choose a literature course (FC:HU)

2. Professional studies - 25 s.h.

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- READ 3301 - Reading Instruction in the Primary Grades
- SPED 2123 - Early Experiences for Prospective Teachers
- SPED 4320 - Communication and Collaboration in Special Education
• SPED 4324 - Internship in Special Education

3. Core - 45 s.h.

- ASLS 2020 - Sign Language Studies I
- CSDI 2100 - Introduction to Communication Disorders
- KINE 5303 - Physical Activity Programs for Individuals with Developmental, Emotional, and Learning Disabilities
- SPED 2000 - Introduction to Exceptional Children
- SPED 2200 - Introduction to Students with Disabilities in the Adapted Curriculum
- SPED 2209 - Introductory Practicum with Students with Disabilities in the Adapted Curriculum
- SPED 3001 - Assessing Students with Disabilities
- SPED 3003 - Academic Instruction for Students in the Adapted Curriculum
- SPED 3004 - Managing the Learning Environment
- SPED 3005 - Instructional Programming in Special Education
- SPED 3006 - Augmentative and Alternative Communication for Students with Disabilities
- SPED 3007 - Managing the Physical Needs of Learners with Disabilities
- SPED 3200 - Instructional Methods for Students with Disabilities in the Adapted Curriculum
- SPED 3209 - Instructional Practicum for Students with Disabilities in the Adapted Curriculum
- SPED 4000 - Technology in Special Education
- SPED 4001 - Instructional Programming and Transition Planning in the Adapted Curriculum
- SPED 4200 - Special Issues and Strategies for Students with Disabilities in the Adapted Curriculum
- SPED 4300 - Practicum in Special Education
- RCTX 2230 - Recreational Therapy Foundations

4. Cognates - 14 s.h.

• LING 4710 - TESOL Theories and Principles
• MATE 3050 - Mathematics and Methods for Grades Pre-K-2
• MATE 3051 - Field Experience in Mathematics Grades K-2
• MATE 3060 - Mathematics and Methods for Grades 3-6
• SCIE 3216 - Teaching Science in the Elementary School
5. Electives to complete requirements for graduation.

Note:

The Academic Concentration is not required for SPED majors.

http://catalog.ecu.edu/preview_entity.php?catoid=10&ent_oid=867&returnto=710

SPAN 3003 - Spanish for Heritage Speakers

3 DD

May not receive credit for SPAN 3003 after receiving credit for SPAN 3001 and SPAN 3002. Development of Spanish proficiency for native or heritage speakers of Spanish who have been raised in Spanish-speaking communities or households.

http://catalog.ecu.edu/preview_entity.php?catoid=10&ent_oid=867&returnto=710

Department of Foreign Languages and Literatures

Benjamin Fraser, Chair, 3324 Bate Building

Faculty

• Department of Foreign Languages and Literatures Faculty

Programs

Bachelor

• Foreign Languages and Literatures, BA

Minor

• French Minor
• German Minor
• Hispanic Studies Minor
Courses

Spanish

- SPAN 1001 - Spanish Level I
- SPAN 1002 - Spanish Level II
- SPAN 1220 - Conversational Spanish Practiced in a Spanish-Speaking Country
- SPAN 1440 - Spanish Culture Experienced in a Spanish-Speaking Country
- SPAN 2003 - Spanish Level III
- SPAN 2004 - Spanish Level IV
- SPAN 2110 - Cultural Readings in Spanish
- SPAN 2117 - Spanish for Professions
- SPAN 2611 - Early Experiences for the Prospective Teacher
- SPAN 2700 - Special Topics in Hispanic Studies
- SPAN 3001 - Spanish Conversation
- SPAN 3002 - Spanish Composition and Review of Grammar
- SPAN 3003 - Spanish for Heritage Speakers
- SPAN 3110 - Spanish for the Health Professions
- SPAN 3210 - Advanced Composition
- SPAN 3220 - Advanced Oral Communication Through Multimedia
- SPAN 3310 - Introduction to Hispanic Linguistics
- SPAN 3325 - Spanish Phonetics and Phonology
- SPAN 3335 - Structure of the Spanish Language
- SPAN 3440 - Spanish Culture and Civilization
- SPAN 3441 - Latin-American Culture and Civilization
- SPAN 3550 - Introduction to Cultural Analysis
- SPAN 3700 - Special Topics in Hispanic Studies
- SPAN 4140 - Introduction to Translation
- SPAN 4320 - Spanish Applied Linguistics
- SPAN 4330 - Spanish in the United States
- SPAN 4340 - Intermediate Translation
- SPAN 4555 - Medieval Spain (900-1499)
- SPAN 4556 - Renaissance and Baroque Spain (1500-1681)
- SPAN 4557 - Spain from Neo-Classicism to Realism (1681-1898)
- SPAN 4558 - Contemporary Spain (1898-Present)
- SPAN 4560 - Major Latin American Authors
- SPAN 4561 - Colonial Latin America in Texts and Images
- SPAN 4562 - Latin American Texts of the Nineteenth and Early Twentieth Centuries
- SPAN 4563 - Latin American Texts: The Boom and Beyond
- SPAN 4611 - Teaching Second Languages in Grades K-12
- SPAN 4700 - Special Topics in Hispanic Studies
- SPAN 4880 - Internship in Spanish

http://catalog.ecu.edu/preview_program.php?catoid=10&poid=2469
Foreign Languages and Literatures, BA

Minimum degree requirement is 120 s.h. of credit as follows:

1. **Foundations curriculum requirements including the following - 40 s.h.**

(For information about courses that carry foundations curriculum credit see *Liberal Arts Foundations Curriculum.*)

**French concentration:**

- HIST 1030 - World Civilizations to 1500
- HIST 1031 - World Civilizations Since 1500

or

- HIST 1552 - Honors, World History to 1500

**French education concentration:**

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking

- HIST 1030 - World Civilizations to 1500
- HIST 1031 - World Civilizations Since 1500

or

- HIST 1552 - Honors, World History to 1500

- MATH 1065 - College Algebra or
- MATH 1066 - Applied Mathematics for Decision Making or
• MATH 2127 - Basic Concepts of Mathematics

• PSYC 1000 - Introductory Psychology

**German education concentration:**

• COMM 2020 - Fundamentals of Speech Communication or
  • COMM 2410 - Public Speaking

• MATH 1065 - College Algebra or
  • MATH 1066 - Applied Mathematics for Decision Making or
  • MATH 2127 - Basic Concepts of Mathematics

• PSYC 1000 - Introductory Psychology
  • Choose a literature course

**Hispanic studies concentration:**

• FORL 2665 - Don Quixote or
  • FORL 2666 - Latino Texts

• HIST 1030 - World Civilizations to 1500 or
  • HIST 1552 - Honors, World History to 1500

• HIST 1031 - World Civilizations Since 1500

**Hispanic studies education concentration:**
• COMM 2020 - Fundamentals of Speech Communication or
  • COMM 2410 - Public Speaking

• FORL 2665 - Don Quixote or
  • FORL 2666 - Latino Texts

• HIST 1030 - World Civilizations to 1500 or
  • HIST 1552 - Honors, World History to 1500

• HIST 1031 - World Civilizations Since 1500

• MATH 1065 - College Algebra or
  • MATH 1066 - Applied Mathematics for Decision Making or
  • MATH 2127 - Basic Concepts of Mathematics

• PSYC 1000 - Introductory Psychology

Note:

Foundations courses have not been specified for German and global studies areas of concentration.

2. Core - 30-36 s.h.

(Includes grammar, conversation, composition, literature, culture, and history courses associated with three language areas and global studies courses associated with the global studies concentration.)

French concentration - 36 s.h.
- FREN 3002 - Review of Grammar
- FREN 3225 - Advanced Conversation
- FREN 3330 - Composition and Advanced Grammar
- FREN 3500 - Introduction to Literature

Choose 9 s.h. from:

- FREN 3001 - Culture and Communication
- FREN 3443 - Special Topics in the Culture of France
- FREN 3444 - Special Topics in Francophone Cultures of the World

Choose 9 s.h. from:

- FREN 4555 - France of the Middle Ages and Renaissance
- FREN 4556 - France from Classicism to the French Revolution
- FREN 4557 - France from the Napoleonic Period to World War II
- FREN 4558 - The Francophone World: Colonization to Independence
- FREN 4560 - The Contemporary French and Francophone World

Choose 6 s.h. of FREN electives above 2999

French education concentration - 36 s.h.

- FREN 3002 - Review of Grammar
- FREN 3225 - Advanced Conversation
- FREN 3330 - Composition and Advanced Grammar
- FREN 3500 - Introduction to Literature

Choose 9 s.h. from:

- FREN 3001 - Culture and Communication
- FREN 3443 - Special Topics in the Culture of France
• FREN 3444 - Special Topics in Francophone Cultures of the World

Choose 9 s.h. from:

• FREN 4555 - France of the Middle Ages and Renaissance
• FREN 4556 - France from Classicism to the French Revolution
• FREN 4557 - France from the Napoleonic Period to World War II
• FREN 4558 - The Francophone World: Colonization to Independence
• FREN 4560 - The Contemporary French and Francophone World

Choose 6 s.h. of FREN electives above 2999

German concentration - 36 s.h.

• FORL 2600 - Literature in Translation: The Holocaust or
• HIST 3435 - History of Europe Since 1914 or
• HIST 3461 - Germany Since 1914 or
equivalent course

• GERM 3001 - German Composition and Conversation I
• GERM 3002 - German Composition and Conversation II
• GERM 3210 - Conversation
• GERM 3330 - Composition and Advanced Grammar
• GERM 3420 - Culture of the German-Speaking World
• GERM 3510 - Introduction to German Literature
• Choose 6 s.h. of German literature above 2999
• Choose 9 s.h. of GERM electives above 2999

German education concentration - 36 s.h.

• FORL 2600 - Literature in Translation: The Holocaust or
• HIST 3435 - History of Europe Since 1914 or
• HIST 3461 - Germany Since 1914 or
• equivalent course

• GERM 3001 - German Composition and Conversation I
• GERM 3002 - German Composition and Conversation II
• GERM 3210 - Conversation
• GERM 3330 - Composition and Advanced Grammar
• GERM 3420 - Culture of the German-Speaking World
• GERM 3510 - Introduction to German Literature
• Choose 6 s.h. of German literature above 2999
• Choose 9 s.h. of GERM electives above 2999

Global studies concentration - 30 s.h.

• GLST 1000 - Introduction to Global Studies
• GLST 4500 - Seminar in Global Studies

Choose 15 s.h. of FREN or GERM or SPAN electives above 2004

or

Choose 9 s.h. of FREN or GERM or SPAN electives above 2999 and 6 s.h. of a different language prefix above 1002 (for example CHIN, GRK, ITAL, JAPN, LATN, RUSS)

Choose 9 s.h. of FORL electives from:

• FORL 1060 - Global Understanding Through Literature
• FORL 1662 - Introduction to Hispanic Studies
• FORL 2520 - French Cinema Classics
• FORL 2600 - Literature in Translation: The Holocaust
• FORL 2620 - French Literature in Translation
• FORL 2622 - Francophone Literature of the Americas in Translation
• FORL 2624 - Francophone Literature of Africa in Translation
• FORL 2660 - Spanish Literature in Translation
• FORL 2661 - Latin American Literature in Translation
• FORL 2662 - Special Topics in Hispanic Cinemas
• FORL 2665 - Don Quixote
Hispanic studies concentration - 36 s.h.

- FORL 2666 - Latino Texts
- FORL 2680 - German Literature in Translation
- FORL 2690 - Introduction to German Cinema
- FORL 2700 - Special Topics in French or Francophone Literature
- FORL 2760 - Special Topics in Hispanic Studies
- FORL 3660 - Hispanic Women Writers
- FORL 4700 - Special Topics in Foreign Languages and Literatures

Choose 15 -18 s.h. of SPAN electives above 2999

(Include 9 s.h. from the following with a minimum number from each area as designated below.)

Choose a minimum of 3 s.h. from:

- SPAN 3001 - Spanish Conversation
- SPAN 3002 - Spanish Composition and Review of Grammar
  or
- SPAN 3003 - Spanish for Heritage Speakers

- SPAN 3210 - Advanced Composition
- **SPAN 3325 - Spanish Phonetics and Phonology**
- SPAN 3310 - Introduction to Hispanic Linguistics
- SPAN 3440 - Spanish Culture and Civilization
- SPAN 3441 - Latin-American Culture and Civilization
- SPAN 3550 - Introduction to Cultural Analysis

Choose a minimum of 3 s.h. from:

- SPAN 4560 - Major Latin American Authors
- SPAN 4561 - Colonial Latin America in Texts and Images
- SPAN 4562 - Latin American Texts of the Nineteenth and Early Twentieth Centuries
- SPAN 4563 - Latin American Texts: The Boom and Beyond
• SPAN 4555 - Medieval Spain (900-1499)
• SPAN 4556 - Renaissance and Baroque Spain (1500-1681)
• SPAN 4557 - Spain from Neo-Classicism to Realism (1681-1898)
• SPAN 4558 - Contemporary Spain (1898-Present)

Choose a minimum of 3 s.h. from:

• SPAN 3325 - Spanish Phonetics and Phonology
• SPAN 3335 - Structure of the Spanish Language
• SPAN 4320 - Spanish Applied Linguistics
• SPAN 4330 - Spanish in the United States

Note:

15 s.h. of electives for students who take SPAN 3001 and SPAN 3002; 18 s.h. of electives for students who take SPAN 3003.

Hispanic studies education concentration - 36 s.h.

• SPAN 2110 - Cultural Readings in Spanish
• SPAN 3001 - Spanish Conversation or
• SPAN 3220 - Advanced Oral Communication Through Multimedia
• SPAN 3002 - Spanish Composition and Review of Grammar

or

• SPAN 3003 - Spanish for Heritage Speakers
• SPAN 3210 - Advanced Composition
• SPAN 3310 - Introduction to Hispanic Linguistics
• SPAN 3325 - Spanish Phonetics and Phonology
• SPAN 3335 - Structure of the Spanish Language
• SPAN 3440 - Spanish Culture and Civilization
• SPAN 3441 - Latin-American Culture and Civilization
• SPAN 3550 - Introduction to Cultural Analysis

Choose **9 15-18 s.h. of SPAN electives above 2999**

(Include **6 9** s.h. from the following with a minimum number from each area as designated below.)

Choose a minimum of **3 s.h.** from:

- SPAN 4555 - Medieval Spain (900-1499)
- SPAN 4556 - Renaissance and Baroque Spain (1500-1681)
- SPAN 4557 - Spain from Neo-Classicism to Realism (1681-1898)
- SPAN 4558 - Contemporary Spain (1898-Present)

Choose a minimum of **3 s.h.** from:

- SPAN 4560 - Major Latin American Authors
- SPAN 4561 - Colonial Latin America in Texts and Images
- SPAN 4562 - Latin American Texts of the Nineteenth and Early Twentieth Centuries
- SPAN 4563 - Latin American Texts: The Boom and Beyond

Choose a minimum of **3 s.h.** from:

- SPAN 3325 - Spanish Phonetics and Phonology
- SPAN 3335 - Structure of the Spanish Language
- SPAN 4320 - Spanish Applied Linguistics
- SPAN 4330 - Spanish in the United States

**Note:**
15 s.h. of electives for students who take SPAN 3001 and SPAN 3002; 18 s.h. of electives for students who take SPAN 3003.

3. Professional studies - 24 s.h.

(Appplies only to French, German, and Hispanic studies education concentrations.)

**French education:**

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education
- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or PSYC 4305 - Educational Psychology
- FREN 2611 - Early Experiences for the Prospective Teacher
- FREN 4880 - Internship in French
- FREN 4881 - Internship Seminar: Issues in French Education
- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPED 4010 - Effective Instruction in Inclusive Classrooms

**German education:**

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education
- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or PSYC 4305 - Educational Psychology
• GERM 2611 - Early Experiences for the Prospective Teacher
• GERM 4880 - Internship in German
• GERM 4881 - Internship Seminar: Issues in German Teaching
• READ 3990 - Teaching Reading in the Content Areas in the Secondary School
• SPED 4010 - Effective Instruction in Inclusive Classrooms

**Hispanic studies education:**

- EDTC 4001 - Technology in Education
- EDUC 3200 - Foundations of American Education

- EDUC 4400 - Foundations of School Learning, Motivation, and Assessment or
- PSYC 4305 - Educational Psychology

- READ 3990 - Teaching Reading in the Content Areas in the Secondary School
- SPAN 2611 - Early Experiences for the Prospective Teacher
- SPAN 4880 - Internship in Spanish
- SPAN 4881 - Internship Seminar: Issues in Spanish Teaching
- SPED 4010 - Effective Instruction in Inclusive Classrooms

**4. Specialty area studies - 11 s.h.**

(Appplies only to education concentrations specified below.)

**French education:**

- EDUC 3002 - Introduction to Diversity or
- PSYC 2777 - Ethnocultural Psychology

- ELEM 3000 - Curriculum and Standards in Elementary School
- FREN 4611 - Teaching Second Languages in Grades K-12
German education:

- EDUC 3002 - Introduction to Diversity or
- PSYC 2777 - Ethnocultural Psychology

- ELEM 3000 - Curriculum and Standards in Elementary School
- GERM 4611 - Teaching Second Languages in Grades K-12

Hispanic studies education:

- EDUC 3002 - Introduction to Diversity or
- PSYC 2777 - Ethnocultural Psychology

- ELEM 3000 - Curriculum and Standards in Elementary School
- SPAN 4611 - Teaching Second Languages in Grades K-12

5. Minor and/or electives to complete requirements for graduation.

The French, German, Global, and Hispanic studies concentrations require a minor and general electives to complete requirements for graduation.

The French education, German education, and Hispanic studies education concentrations require electives to complete requirements for graduation.

6. Oral qualifying examination requirement

http://catalog.ecu.edu/preview_program.php?catoid=10&poid=2295
Hispanic Studies Minor

Students interested in minoring in Hispanic studies should consult with the departmental Hispanic advisor to plan their minor program. The Hispanic studies minor requires 24 s.h. of credit as follows:

1. Core - 15 s.h.

- SPAN 3001 - Spanish Conversation
- SPAN 3002 - Spanish Composition and Review of Grammar
- SPAN 3440 - Spanish Culture and Civilization
- SPAN 3441 - Latin American Culture and Civilization
- SPAN 3550 - Introduction to Cultural Analysis

2. SPAN electives above 2999 - 9 s.h.
Biochemistry, BS

The purpose of the BS biochemistry degree program is to: prepare our students with the knowledge and confidence to apply the scientific method in biochemical research; train our students to communicate scientific discoveries in standard scientific formats; educate our students so they understand, and are able to apply, foundational biochemical concepts necessary for graduate education or a career in the biochemical sciences.

Minimum degree requirement is 126 120 s.h. of credit as follows:

1. Foundations curriculum requirements - 42 s.h. 40 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
CHEM 1160 - General Chemistry II
CHEM 1161 - General Chemistry Laboratory II
MATH 1065 - College Algebra

2. Core - 45 s.h. 49 s.h. 32 s.h.

Biology (15 s.h.)

- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology I Laboratory
- BIOL 1200 - Principles of Biology II
- BIOL 1201 - Principles of Biology II Laboratory
- BIOL 2300 - Principles of Genetics
- BIOL 3310 - Cellular Physiology
- BIOL 3311 - Cellular Physiology Laboratory
- BIOL 4880 - Principles of Biochemistry I
- BIOL 4890 - Principles of Biochemistry II
- BIOL 4891 - Principles of Biochemistry II Laboratory

Chemistry (17 s.h.)

- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry II Laboratory
- CHEM 2250 - Quantitative and Instrumental Analysis
- CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry I Laboratory
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry II Laboratory

- CHEM 3950 - Physical Chemistry and Laboratory I
- CHEM 3951 - Physical Chemistry and Laboratory I
- CHEM 3960 - Physical Chemistry and Laboratory II
- CHEM 3961 - Physical Chemistry and Laboratory II
- or
3. Cognates - 25-27 s.h.

- MATH 1083 - Introduction to Functions
- MATH 1085 - Pre-Calculus Mathematics
- MATH 2171 - Calculus I
- MATH 2172 - Calculus II
- MATH 2173 - Calculus III
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics

4. Electives –6 s.h.

(Choose from the following.)

- BIOL 2100 - Basic Laboratory Methods for Biotechnology
- BIOL 2101 - Basic Laboratory Methods for Biotechnology Laboratory
- BIOL 3220 - Microbiology
- BIOL 3221 - Microbiology Laboratory
- BIOL 5510 - Transmission Electron Microscopy
- BIOL 5511 - Transmission Electron Microscopy Laboratory
- BIOL 5520 - Scanning Electron Microscopy and X-Ray Analysis
- BIOL 5521 - Scanning Electron Microscopy and X-Ray Analysis Laboratory
- BIOL 5870 - Molecular Biology of the Gene
- BIOL 5900 - Biotechniques
- BIOL 5901 - Biotechniques Laboratory
- MATH 4331 - Introduction to Ordinary Differential Equations
4. Concentrations – 20-22 s.h.

(Choose one of the following.)

Biology (22 s.h.)

Required courses - 6 s.h.

- BIOL 2300 - Principles of Genetics
- BIOL 3260 - Cell and Developmental Biology

Electives -16 s.h.

(Choose from the following.)

- BIOL 2100 - Basic Laboratory Methods for Biotechnology
- BIOL 2101 - Basic Laboratory Methods for Biotechnology Laboratory
- BIOL 3220 - Microbiology
- BIOL 3221 - Microbiology Laboratory
- BIOL 4230 - Concepts in Cell Biology
- BIOL 4260 - Cell Biology
- BIOL 5870 - Molecular Biology of the Gene
- BIOL 5900 - Biotechniques
- BIOL 5901 - Biotechniques Laboratory
- MATH 4331 - Introduction to Ordinary Differential Equations

Chemistry (20 s.h.)

Required courses - 10 s.h.

- CHEM 3950 - Physical Chemistry I
- CHEM 3951 - Physical Chemistry I Laboratory
- CHEM 3960 - Physical Chemistry II
- CHEM 3961 - Physical Chemistry II Laboratory
Electives -10 s.h.

(Choose from the following.)

- BIOL 2300 - Principles of Genetics
- CHEM 3450 - Elementary Inorganic Chemistry
- CHEM 3451 - Elementary Inorganic Chemistry Laboratory
- CHEM 4350 - Instrument Analysis
- CHEM 4351 - Instrument Analysis Laboratory
- CHEM 4522 - Pharmaceutical Industry Skills Laboratory: Good Manufacturing Practices
- CHEM 4550 - Advanced Inorganic Chemistry
- CHEM 5760 - Organic Structure Elucidation
- MATH 4331 - Introduction to Ordinary Differential Equations
- 3 hours of research in biology or chemistry (BIOL 3550, BIOL 4504, BIOL 4514, BIOL 4550; CHEM 4505, CHEM 4506, CHEM 4507, CHEM 4515, CHEM 4516, CHEM 4517)

5. Electives to complete requirements for graduation.

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BIOL 1060 - Environmental Biology

4 3 F,S,SS FC:SC

May Will not count toward BIOL major or minor. Interrelationships of organisms with each other and with their environment and human factors. Basic ecological problems, principles, and solutions.

BIOL 1150 - Principles of Biology: A Human Approach
BIOL 1151 - Principles of Biology: A Human Approach Discussion

BIOL 1200 - Principles of Biology II

BIOL 1201 - Principles of Biology Laboratory II

BIOL 2100 - Basic Laboratory Methods for Biotechnology
Formerly BIOL 3100, 3101

1 lecture and 4 laboratory hours per week. P: BIOL 1100, BIOL 1101; MATH 1065, CHEM 1020, CHEM 1021 or CHEM 1120, CHEM 1121 or CHEM 1150, CHEM 1151. Practical basic training in laboratory techniques generally applicable to molecular and cell biology, genetics, biochemistry, microbiology and forensics.

BIOL 2101 - Basic Laboratory Methods for Biotechnology Laboratory

0 F,SS

Formerly BIOL 3100, 3101

1 lecture and 4 laboratory hours per week. P: BIOL 1100, BIOL 1101; MATH 1065, CHEM 1020, CHEM 1021 or CHEM 1120, CHEM 1121 or CHEM 1150, CHEM 1151. Practical basic training in laboratory techniques generally applicable to molecular and cell biology, genetics, biochemistry, microbiology and forensics.

BIOL 2130 - Survey of Human Physiology and Anatomy

4 F,S,SS FC:SC

A maximum of 4 s.h. of 2000-level human physiology and anatomy coursework may count toward the BIOL major or minor. P: BIOL 1050, BIOL 1051; or BIOL 1100, BIOL 1101. Functional anatomy and normal physiology of human organ systems.

BIOL 2150 - Human Physiology and Anatomy II

3

Part two of a two-semester integrated course. A maximum of 4 s.h. of 2000-level human physiology and anatomy coursework may count toward the BIOL major or minor. P: BIOL 2140 and BIOL 2141 with a minimum grade of C (2.0); 2.75 GPA; C: BIOL 2151. Normal physiology and functional anatomy of human organ systems.

BIOL 2151 - Human Physiology and Anatomy II Laboratory
3 lab hours per week. Part two of a two-semester integrated lab. A maximum of 4 s.h. of 2000-level human physiology and anatomy coursework may count toward the BIOL major or minor. P: BIOL 2140, BIOL 2141 with a minimum grade of C (2.0); C: BIOL 2150. Application of anatomical and physiological concepts.

BIOL 3220 - Microbiology

4 F

3 lectures and 2 2-hour labs per week.

P: BIOL 1100, BIOL 1101, BIOL 1200, BIOL 1201; CHEM 2750. Structure, physiology, disease, environmental relationships, and molecular biology of microbes.

BIOL 3221 - Microbiology Laboratory

0 F

3 lectures and 2 2-hour labs per week.

P: BIOL 1100, BIOL 1101, BIOL 1200, BIOL 1201; CHEM 2750. Structure, physiology, disease, environmental relationships, and molecular biology of microbes.

BIOL 3620 - Biological Evolution

3 F

P: MATH 1065 or equivalent 1083, or 2121, or 2122; BIOL 2300 or consent of instructor. Evolution from a biological standpoint. Relationships of evolutionary theory and reciprocal impact on ecology, genetics, diversity, and biogeography. Speciation, selection and populations.

BIOL 3740 - Animal Behavior

4 WI*: Selected Sections are Writing Intensive F

3 lecture and 2 discussion hours per week.
P: BIOL 1100, BIOL 1101, BIOL 1200; RP: BIOL 2250. Introduction to animal behavior with emphasis on experimental approaches. Topics include evolution and development of behavior, neural mechanisms, instinct, communication, foraging and reproductive behavior, and sociobiology.

BIOL 3741 - Animal Behavior Laboratory

0 WI*: Selected Sections are Writing Intensive F

3 lecture and 2 discussion hours per week. P: BIOL 1100, BIOL 1101, BIOL 1200; RP: BIOL 2250. Introduction to animal behavior with emphasis on experimental approaches. Topics include evolution and development of behavior, neural mechanisms, instinct, communication, foraging and reproductive behavior, and sociobiology.

BIOL 4030 - Principles of Toxicology

3 S

P: BIOL 1100, BIOL 1101, BIOL 1200; CHEM 2750 or CHEM 2770. Basic concepts and principles in toxicology encompassing toxicant-specific responses and biological mechanisms at the molecular, tissue, organismal, and population levels.

BIOL 4200 - Population and Community Ecology

4 WI S

P: BIOL 2250, BIOL 2251, BIOL 2300; CHEM 1150, CHEM 1151; RP: CHEM 1160, CHEM 1161; MATH 2121 or statistics course. Organization of populations and communities. Emphasis on interactions among organisms and their environments and how these structure populations and communities.

BIOL 4201 - Population and Community Ecology Laboratory

0 S

P: BIOL 2250, BIOL 2251, BIOL 2300; CHEM 1150, CHEM 1151; RP: CHEM 1160, CHEM 1161; MATH 2121 or statistics course. Organization of populations and communities. Emphasis
on interactions among organisms and their environments and how these structure populations and communities.

BIOL 4560 - Microbial Ecology

4

3 hours lecture and 2 lab hours per week. P: BIOL 3220, BIOL 3221. Interactions between microorganisms and their physical, chemical, and biological environment. Examination of processes that generate and maintain microbial biodiversity and impact microbial functions. Statistical analyses of biological and ecological data and application of microbial ecology concepts.