

College of Liberal Arts and Sciences Committee on Curricula and Courses
Minutes of the meeting of Oct. 26, 2004
Approved Nov. 9, 2004

Note regarding the organization of these minutes: a summary of committee actions is listed first, in the order in which these actions were taken, without complete catalog copy. Approved catalog copy is then listed as a second part of these minutes, in numerical sequence by proposal numbers. This atypical format is adopted because the approved copy is quite lengthy, and because the committee dealt with items out of numerical sequence in order to move items requiring further approvals by GEOC earlier in our discussion.

PART A: SUMMARY OF ACTIONS TAKEN (NOT INCLUDING COMPLETE CATALOG COPY)

Chairman Tom Terry called the meeting to order in Room 162 of the Dodd Center at 3:30 pm.

Present were: Kevin McBride (ANTH), Robert Michel (CHEM), Anne Hiskes (CLAS Dean's office), Ross Buck (COMS), Kentwood Wells (EEB), Albert Fairbanks (ENGL), Alexander Vias (GEOG), Nancy Shoemaker (HIST), Andrea Calabrese (LING), Roger Travis (MCL), Gerald Leibowitz (MATH), Thomas Terry (MCB and Chair), Paul Bloomfield (PHIL), George Rawitscher (PHYS), Jeremy Pressman (POLS), Robert Henning (PSYC), Robert Bifulco (PP), Arnold Dashefsky. Also present as guests were: Mark Hamilton (COMS) and Steve Ross (ECON).

1. PRELIMINARIES

- a. Bob Michel was appointed Secretary *pro tempore*.
- b. The Minutes from the meeting of 19 October 2004 were approved.
- c. Updates from the Chair: 1) Reminder of the meeting of the committee scheduled for 2 November, in the Class of '47 Room in Babbidge Library. 2) Reminder of the CLAS faculty meeting, Wed. Nov. 3, 4 pm SCHN 55. (lecture hall behind Monteith building), to discuss and approve our CLAS general education policy for catalog copy. 3) The C skill code will continue to be listed for the benefit of students working on the old GenEd system, even though it will have no application to new students. Single letter codes to include multiple listings, such as V for Q + C, will be discontinued. So, for example, Statistics 100QC will be listed instead of STAT 100Q. Courses with both W and Q will list W first, e.g. PSYC 220WQ. Terry pointed out that Peoplesoft software will lead to incorrect results in searches for available seats if the correct skill codes are not listed in the correct order, although a wildcard option obviates this need.

Jerry Leibowitz moved the adoption of a number of proposals to revise majors, all of which were being updated only by the inclusion of information about how students will satisfy the new general education competencies. Accordingly, the following proposals were approved as a bloc to expedite the business of the committee (approved text is listed below in Part B):

2004-104A-13 Spanish

2004-104A-14 Women's Studies

2004-104B-2 Economics (a misprint was corrected)

2004-104B-3 Geography
2004-104C-1 & 2 Applied Mathematical Sciences
2004-155 Chemistry (two misprints were corrected)
2004-104C-5 Communications Disorders
2004-104C-7 & 8 Mathematics
2004-104C-9 Mathematics/Actuarial Science
2004-104C-10 Mathematics – Statistics
2004-104C-11 Physics
2004-104C-12 Statistics
2004-104D-2 Biological Sciences
2004-104D-4 Ecology and Evolutionary Biology
2004-104D-9 Molecular and Cell Biology
2004-104D-10 Physiology and Neurobiology.

Tom Terry noted that phraseology such as “students must take course XXX to satisfy requirements...” was inaccurate, and should be replaced by “students must pass course XXX to satisfy requirements...”, and that there were several instances of this situation in different proposals. The committee agreed that this type of change should be applied wherever it occurs in proposals to change majors. The committee also agreed that the minutes should remove references to computer technology requirements where these did not differ from entrance requirements.

2. DISCUSSION AND DECISION ON MOTION TO REVISE B. S. DEGREE

The committee discussed a proposal introduced at our previous meeting (Oct. 19) by David Knecht, MCB. This proposal would modify B. S. degree requirements by requiring all students to take at least one biology course (chosen from BIOL 107 Principles of Biology I or BIOL 108 Principles of Biology II), replacing the current requirement that students take one of MATH 210Q Multivariable Calculus, MATH 211Q Elementary Differential Equations, MATH 220Q Enhanced Multivariable Calculus, MATH 221Q Enhanced Differential Equations, BIOL 107 Principles of Biology I, or BIOL 108 Principles of Biology II.

The Chemistry Undergraduate Committee requested that more time be given to consider this change, especially as this would add one extra course to the already loaded Chemistry Major requirements. This concern was relayed to our committee by Michel. Travis suggested that the scope of the requirements should be rethought. The sense of the committee was that inclusion of biology into the B.S. degree requirements is a good idea. However, it was felt that time was needed for the science departments to discuss the proposals. Terry appointed a subcommittee to facilitate such discussion, composed of George Rawitscher, PHYS; Rob Henning, PSYC; Bob Michel, CHEM; Gerald Leibowitz, MATH; Anne Hiskes, CLAS; and Tom Terry MCB. It was decided to defer a motion pending the subcommittee’s discussions and to have a proposal ready in time for the April 2005 CLAS faculty meeting.

3. UNFINISHED BUSINESS

(A) PROPOSALS THAT PLAY A ROLE IN GENERAL EDUCATION AND NEED FURTHER GEOC APPROVAL

2004-148. Add HIST 266. Approved Unanimously.

2004-151. Add EEB 209W Soil Degradation and Conservation. Approved Unanimously with revised catalog copy.

2004-152. Add: EEB 309. Soil Degradation and Conservation. Approved Unanimously with revised catalog copy.

2004-153. Change WS 265W. Change approved unanimously, but the phrase “Restricted to women’s studies majors only” was modified by removing the word “only”.

2004-130. Add: COMM 286W. Business Communication. Approved unanimously with revised catalog copy.

(B) 298 PROPOSAL FOR SPRING 2005

2004-145 Add: LING 298. The Linguistics and Culture of the Deaf Community (to be taught by an “instructor-in-residence”, so requires committee review) to be taught Spring 2005. The committee deferred action pending the availability of a CV of the instructor.

C) PROPOSALS TO REVISE CATALOG COPY DESCRIBING CLAS MAJORS

2004-104A Philosophy – Approved Unanimously

2004-104-B-1 Cognitive Science - Approved Unanimously, with the W removed in the case of PSYC 215W, as 215 has not been submitted for approval as a W course.

2004-104-B-4 Political Science – Approved Unanimously.

2004-104C-4: Communication Sciences/Communication Concentration: Change to included GEOC competencies. Approved unanimously.

2004-154 Sociology – Approved Unanimously,

2004-156 Urban and Community Studies – Approved Unanimously with changes in section 4: Typographic change of SOCI/URBN 281 to SOCI/URBN 281W. Add to end of courses list: “where cross-listed courses count towards the non-URBN department”. Also, “Writing Within the Major” in the last paragraph should be first letter capitalized.

2004-157: Linguistics, Change Major: Approved unanimously. Change description of Linguistics under the Philosophy major to mirror the way Psychology refers to joint majors with linguistics.

2004-158 Psychology – Approved Unanimously, with the word “take” replaced by “pass” as appropriate throughout. The Group 1 foundation 202Q, later on listed as 202W corrected to 202WQ.

(D) PROPOSALS FOR UNDERGRADUATE CATALOG COPY

2004-107: GEOG Drop courses – approved unanimously.

2004-113 Change Minor in urban and community studies: approved unanimously - with change of the word “nice” to “appropriate” as necessary.

2004-114 Add URBN 290. Understanding Your Community. Approved Unanimously with revised catalog copy.

Political Science changes:

The following are POLS changes taken together, but out of the agenda order:

2004-116 through 119 POLS: Drop courses due to instructors retired or left. Approved unanimously.

2004-121: Change: POLS 289. Approved unanimously with the last sentence of catalog copy

reading: Students must complete this course prior to their final semester.

2004-122 POLS 291V Change: Approved unanimously

2004-123 POLS 326 Change: Approved unanimously

2004-124 POLS graduate courses: Dropped courses due to faculty retirements. Approved unanimously.

2004-143: GEOG Drop courses – approved unanimously.

4. ADJOURN

The meeting was adjourned at 5:30pm.

Respectfully submitted,

Bob Michel, secretary *pro tempore*

PART B: COMPLETE APPROVED CATALOG COPY

2004-104A-12. Change Philosophy Major.

The program in philosophy introduces students to basic philosophical issues and acquaints them with techniques of philosophical inquiry. The program addresses problems in ethics, social and political philosophy, metaphysics, theory of knowledge, philosophy of science, logic, philosophy of religion, an aesthetics from both historical and contemporary perspectives.

Students majoring in philosophy must earn 24 or more credits in philosophy courses numbered above the 100's level, and 12 or more credits in related fields. Within the 24 credits in philosophy, students must pass PHIL 221 and 222, and at least two of the following four courses: PHIL 210, 211, 212, and 215. **Students meeting the requirements for the major will automatically meet the exit requirements for Computer Technology and Information literacy. The exit requirement for Writing in the Major can be satisfied by passing any 200-level W course in Philosophy.**

A minor in Philosophy is described in the "Minors" section.

Philosophy also offers a joint-major with the Department of Linguistics. The description of the Linguistics-Philosophy major appears under *Linguistics*.

2004-104A-13. Change Spanish Major

The Major Group. Spanish courses comprise two main groups: A. Literature. B. Language and Culture.

A. At least 4 courses must be taken from the literature group: 202, 207, 208, 209, 220, 223, 224, 225, 226, 281, 282, 292W, 294, 295, 296, 297.

B. At least 2 courses must be taken from the language-culture group: 200, 201, 204, 205, 206, 208, 210, 270, 279, 290, 291W; 293 (Foreign Study) may be counted in either group depending on course content.

To satisfy the Computer Technology, Information Literacy, and Writing in the Major requirements, all students must pass one of SPAN 278W, 291W, or 292W.

[Study Abroad in Spain and Latin America](#). Courses taken abroad in the programs operated by UConn in Granada, Spain or Puebla, Mexico will count toward the Spanish major as follows: A maximum of 4 courses, or 12 credits taken abroad may be counted toward the major. Programs are also available in Argentina, Chile, and the Dominican Republic for advanced Spanish language students. A minor in Spanish is described in the "Minors" section.

2004-104A-14. Change Women's Studies Major

The Women's Studies Program is a flexible interdisciplinary academic program devoted to the critical analysis of gender and the pursuit of knowledge about women. Combining the methods and insights of traditional academic disciplines with the special insights of Women's Studies scholarship, our courses yield fresh perspectives which help us to understand the origins of and changes in diverse cultural and social arrangements. The Women's Studies major is broad as well as flexible, and the student's program can readily reflect individual interests or complement a second major.

Gender is a common thread in our offerings, but it always interweaves with race, class, and other factors which contribute to the diversity of women's lives. The Women's Studies Program is committed to a vision of women and gender that is truly international and cross-cultural. Without this perspective, our view of the world is profoundly impoverished and stereotypes will continue to distort our understanding.

The Program prepares students to employ critical learning in their private lives, in their public roles as citizens and as members of the work force, and enhances their ability to work with and for women to create a more humane society. Women's Studies fosters interdisciplinary breadth and critical thinking and thus opens the way to a wide variety of career choices and graduate programs. Women's Studies students are flourishing in social service agencies, business, law, education, and journalism, and employers appreciate the broad interdisciplinary perspective of a Women's Studies education.

Core Courses

Students are required to pass the following Core Courses:

One 100 level Introductory Course

WS 265W - Women's Studies Research Methodology

PHIL 218 - Feminist Theory or WS 250 - Feminisms

WS 261/262 - Women's Studies Internship Program

WS 289W - Senior Seminar in Women's Studies.

Supporting Courses

Students are required to pass five Supporting Courses. In addition, majors must complete at least 15 credits of 200 level courses that should be selected with the guidance of their faculty advisor. At least three of these courses will be Women's Studies or cross-listed courses. Two of the five supporting courses may include cross-referenced courses that cover special topics relevant to

feminist scholarship in various departments. Such cross-referenced courses will be applied to the major with approval of the Program Director.

Related Courses Students must pass an additional 12 credits at the 200 level or above in fields closely related to the major. No required course in the major or in the related area may be taken pass/fail.

General Education Competencies

Information Literacy and Writing in the Major: Passing the core courses WS 265W and WS 289 W will fulfill these competencies.

2004-104-B-1. Change Cognitive Science Major

Cognitive Science is the study of how intelligent beings (including people, animals, and machines) perceive, act, know, and think. It explores the process and content of thought as observed in individuals, distributed through communities, manifested in the structure and meaning of language, modeled by algorithms, and contemplated by philosophies of mind. Its models are formulated using concepts drawn from many disciplines, including psychology, linguistics, logic, computer science, anthropology, and philosophy, and they are tested using evidence from psychological experiments, clinical studies, field studies, computer simulations, and neurophysiological observation.

This program is intended to prepare students for graduate training in cognitive science and related disciplines or to work in the information sciences. Advanced courses from at least four different departments are required. The research and formal systems requirements provide basic knowledge concerning the experimental and theoretical foundations of cognitive science. Finally, majors are encouraged to learn about theory building and testing in a variety of natural and physical sciences. One way to achieve this is to fulfill the requirements of the Bachelor of Science degree.

General Requirements

The requirements for the cognitive science major include 39 200-level credits, no more than 21 of which may be taken in any one department. There are several 100-level courses that are required preparation for the 200-level requirements. These courses should be taken during the first four semesters and may fulfill general education requirements.

Core Courses (12 credits)

Four courses from four departments.

ANTH 244 Culture, Language, and Thought
CSE 282 Artificial Intelligence
LING 202 Principles of Linguistics
PHIL 241 Language: Meaning and Truth

PHIL 250 Philosophy of Mind
PSYC 256 Cognitive Psychology

Research Courses (6 credits)

Statistics (one of the following):

PSYC 202QW Principles of Research in Psychology
STAT 201Q Introduction to Statistics II
STAT 220Q Statistical Methods (Calculus level)

Research methods (one of the following):

LING 215C Experimental Linguistics
PSYC 210W Laboratory in Cognition
PSYC 211W Laboratory in Psycholinguistics
PSYC 215 Laboratory in Sensation and Perception
PSYC 232W Laboratory in Developmental Psychology
PSYC 267/267W Laboratory in Physiological Psychology

Formal Systems Courses (3 credits)

CSE 254 Introduction to Discrete Systems
CSE 257 Numerical Methods
CSE 259 Algorithms and Complexity
MATH 211Q Elementary Differential Equations
MATH 215Q Linear Algebra
MATH 216Q Abstract Algebra
MATH 227Q Applied Linear Algebra
MATH 231Q Probability
MATH 237Q Theory of Computability
MATH 279Q Introduction to Field Theory
PHIL 211Q Symbolic Logic
PHIL 214Q Symbolic Logic II

Advanced courses (12 credits)

Must include courses from at least 3 departments .

Can include core courses not needed to satisfy the core course requirement .

ANTH 232 Cognitive Anthropology
CDIS 202/202W Speech and Language Acquisition*
CDIS 244 /244W Introduction to Neurogenic Communication Disorders,
CDIS 253 Introduction to Language Pathology in Children
CSE 298 Natural Language Processing, LING 205Q Phonology
LING 206Q Syntax and Semantics
LING 208W Linguistic Basis of Reading and Writing
LING 244W Language and Culture,

PHIL 210 Metaphysics and Epistemology
PHIL 212/212W Philosophy of Science**
PNB 251 Biology of the Brain
PSYC 206 Consciousness, PSYC 220 Learning
PSYC 221 Psychology of Language
PSYC 236 Developmental Psychology
PSYC 239 Language Development*
PSYC 254 Sensation and Perception
PSYC 257 Physiological Psychology
PSYC 260 Computer Modeling of Cognitive Processes
PSYC 291/291W History and Systems in Psychology
SCI 240 The Nature of Scientific Thought**

Electives (6 credits)

Two additional courses (from above lists or other related courses from any department), chosen with the approval of the advisors.

*Note: Only one of CDIS 202/202W and PSYC 239 may be counted towards the major.

**Note: Only one of PHIL 212/212W and SCI 240 may be counted towards the major.

Competency and Writing Requirements

The exit requirements for Computer Technology and Information Literacy will be met by satisfaction of the Research Methods Requirement. The exit requirements for Writing in the Major can be met by taking one of the following courses: CDIS 202W, CDIS 244W, LING 244W, PHIL 212W, PSYC 202QW, PSYC 210W, PSYC 232W, PSYC 267W, PSYC 291W.

Students in the program will have an advisor and an associate advisor, each in different departments contributing to the cognitive science program. Students will consult with both of them to plan a course of study.

For further information, contact Associate Professor Jay Rueckl, Chair, Cognitive Science Steering Committee, 121 Psychology Building.

2004-104B-2. Change Economics Major

A student majoring in economics should acquire a thorough grounding in basic principles and methods of analysis, plus a working competence in several of the specialized and applied fields. Examples of such fields are industrial organization, law-and-economics, money and banking, international trade and finance, public finance, comparative economic systems, labor economics, health economics, urban and regional economics, and economic development.

Economics majors must earn twenty-four credits in 200 level courses, including two intermediate theory courses (ECON 218 or 218Q and ECON 219 or 219Q), plus at least nine credits in either quantitative skills courses (ECON 212Q-217) or applied theory courses which have an

intermediate theory course as a prerequisite, and have a calculus course recommended (ECON 237-289). ECON 300 level courses may count as part of the nine required credits in the ECON 212Q-217 and ECON 237-289 series. Economics majors are also required to pass twelve credits in 200 level courses in fields related to economics or a minor related to economics, plus STAT 100Q or 110Q and one of the following: MATH 106Q, 113Q, 115Q, 118Q, or 120Q. MATH 115Q and STAT 110Q are preferred.

The intermediate theory courses are open to sophomores and should be taken early in the student's major program. Recommended courses for economics majors include ECON 212Q and ENGL 249W. Qualified students may substitute some 300-level courses for 200-level courses with the consent of instructor and the student's faculty advisor. The department has special requirements for economic majors in the University Honors and Degree with Distinction Programs, and for majors who qualify for the department's Economics Scholars and Quantitative Certificate Program.

Course work in economics serves a wide variety of vocational objectives. An economics major (supplemented by a rigorous calculus and statistics course sequence) is excellent preparation for graduate work in economics, which qualifies a person for academic, business, or government employment. Majors and others with strong economics training are attractive prospects for business firms and government agencies, and for professional graduate study in business or public policy. An economics background is especially desirable for the study and practice of law.

Economics majors satisfy the Computer Technology competency by passing either STAT 100Q or STAT 110Q in addition to meeting the University-wide computer entrance expectations.

Economics majors satisfy the Information Literacy competency by passing at least one 200-level W course in Economics. Students may gain enhanced competence in information literacy by taking ECON 212Q, ECON 213W, or ECON 217.

Economics majors satisfy the Writing in the Major requirement by passing at least one 200-level W course in Economics.

A minor in Economics is described in the [Minors](#) section.

2004-104B-3. Change Geography Major

Requirements for the Major. The geography major requires 24 credits in 200-level geography courses and 12 credits of related course work in other departments. Majors complete a basic core of courses (Geography 200 or 204, Geography 205, and Geography 242Q) and select 15 additional credits, including at least one “W” course in Geography numbered 280 or higher in consultation with their departmental advisor.

The “Writing in the Major” requirement for Geography can be met by passing any of the following geography courses: GEOG 280W, 286W, 287W, or 288W.

The “Information Literacy” requirement in Geography can be met by passing any of the

following geography courses GEOG 280W, 286W, 287W, or 288W.

The “Computer Technology” exit requirement in Geography can be met by passing GEOG 242Q.

A minor in Geographic Information Science is described in the “Minors” section.

2004-104-B-4. Change Political Science Major

Political Science serves students whose primary interest is in some phase of public affairs (law, politics, government service) or international relations (foreign service), in gaining a better understanding of the entire field of governmental organization and functions.

Major Courses: A minimum of 24 credits in Political Science numbered 200 or above (none on a pass-fail basis). Inter-departmental courses may not be included in the 24 credits. No more than 6 credits of independent study and/or field work can be counted toward the 24 credits.

A. Students majoring in Political Science must pass introductory 100-level courses in three of the following four subdivisions: Theory and Methodology (106), Comparative Politics (121 or 143), International Relations (132), and American Politics (173). It is recommended that these courses should be taken during the student's first two years of study.

B. All majors in political science must pass at least one course in **four** of the following six subdivisions (total of 12 credits). A W or Q course may be substituted for the same numbered course. Cross-listed courses may count only once toward this distribution requirement:

I. Theory and Methodology: 201, 202, 204, 206W, 207, 291

II. Comparative Politics: 203W, 223, 228, 230, 231, 232, 233, 235, 237, 239W, 244, 258

III. International Relations: 211, 212, 215, 216, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227, 279

IV. American Politics: 241, 242, 245, 247, 248, 249, 263, 270, 273, 274, 275

V. Public Administration, Policy and Law: 250, 251, 252, 253, 255, 256, 259, 260, 261, 264, 266, 276, 277

VI. Race, Gender, and Ethnic Politics: 203W, 204, 225, 239, 245, 247, 248, 249, 256, 263

POLS 296 and 298 may be counted toward this distribution only with consent of advisor. POLS 208, 287, 288W, 289, 297, 299 may **not** be counted toward the Group B distribution requirement.

The Writing in the Major requirement may be satisfied by passing any 200 W level POLS course. Advanced information literacy exit requirements are incorporated into all Ws in the major, and students who successfully complete political science W courses will have met this requirement.

A minor in Political Science is described in the “Minors” section.

2004-104C-1 & 2. Change Applied Mathematical Sciences Major (B.A. and B.S.)

Bachelor of Arts in Applied Mathematical Sciences: The requirements for the B.A. in Applied Mathematical Sciences are 27 credits of 200's level course work in Mathematics and at least 12 credits in approved related areas. The required courses for the degree are [MATH 210](#) or [220](#), [211](#) or [221](#), [215](#) or [227](#), [272](#), [281](#), and [282](#). The remainder of the 27 credits of Mathematics must be chosen from [MATH 204](#), [213](#) or [214](#), [231](#), [232](#), [237](#), [252](#), [255](#), [273](#), [277](#) and [278](#). To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, or Math 292W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.

Bachelor of Science in Applied Mathematical Sciences: The requirements for the B.S. in Applied Mathematical Sciences are [MATH 220](#) (or [210](#) and [211](#)), [213](#), [227](#), [272](#), [273](#), [281](#), and [282](#), and two courses to be selected from [MATH 204](#), [221](#), [231](#), [232](#), [237](#), [252](#), [255](#), [274](#), [277](#), [278](#), and approved sections of [297](#) and [298](#), and at least 3 additional credits from [MATH 215](#), [216](#), [217](#), [223](#), [224](#), [231](#), [235](#), [250](#), [258](#), [286](#), and approved sections of [297](#) and [298](#). In addition, at least 12 credits at the 200 level in approved related areas are required. To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, or Math 292W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.

2004-104C-4 and C-5. Change Communication Sciences Major (both concentrations)

The Department of Communication Sciences is concerned with the human communication process and its analysis. Undergraduate students may major in Communication Sciences with a concentration in either Communication or Communication Disorders. The Department offers the following graduate degrees in the field of Communication Sciences: the M.A. with concentrations in Speech, Language and Hearing, and in Communication, and the Ph.D. with concentrations in Speech, Language and Hearing, and in Communication and Marketing Communication and the Doctor of Audiology, Au.D. degree.

Communication Disorders. The undergraduate concentration is a preprofessional program within the liberal arts curriculum. It permits the student to apply for graduate studies in one of two specialty areas: audiology or speech-language pathology.

Students who elect the concentration in Communication Disorders must take: CDIS 201, 202 or 202W, 242, 247, 248, 249 or 249W, and 250.

In addition, students must pass at least two (2) of the following courses: CDIS 244 or 244W, 251 and 253.

To satisfy the Information Literacy competency, all students must pass either CDIS 201, 202, 247 and 250 and one of 244W or 249W; or CDIS 201, 202W, 247 and 250.

To satisfy the Writing in the Major requirement, students must pass at least one course from CDIS 202W, 244W, or 249W.

The Master's degree programs in Speech and Language and the Au.D. degree in Audiology are accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association. The Speech and Hearing Clinic is accredited by the American Speech-Language-Hearing Association's Professional Services Board.

Communication. The undergraduate concentration in Communication is designed to produce students capable of analyzing human communication from a scientific standpoint. It emphasizes the empirical investigation of human communication, stressing developments in communication theory and research with a special emphasis on interpersonal, mass, organizational and international communication. Students who elect to take the Communication concentration must pass:

COMM 100 The Process of Communication

COMM 105 Principles of Public Speaking

COMM 200Q Research Methods in Communication

In addition, students must pass at least two (2) of the following Core courses:

COMM 210 Persuasion

COMM 220 Interpersonal Communication

COMM 230 Effects of Mass Media

Students must pass at least at least five (5) more 200-level courses in Communication. No more than two of the five can be applied courses: COMM 280, 282, 283W, 286W, 288, 290, and 291. Three of the five must be theory courses, which are all other COMM courses numbered 200 or above. As long as students have met the above requirements, they may also pass additional applied courses. We strongly recommend that everyone take at least one internship (COMM 291).

To satisfy the Information Literacy competency, all students must pass COMM 100, 105, and 200Q. Other courses that will further enhance competency in Information Literacy include COMM 130, 205, 210, 211, 215, 220, 225W, 226, 230, 232, 233, 234, 241, 242, 245, 250, 251W, 255, 260, 262, 270W, 271, 272, and 273W. To satisfy the Writing in the Major requirement, students must pass at least one course from COMM 225W, 231W, 242W, 244W, 251W, 270W, 273W, 283W, 286W, and 296W. For students interested in media and public relations careers, journalism courses are recommended for additional writing competency.

Students must apply to the department to become a Communication Sciences major with a concentration in Communication. The deadline for applications during a semester is the end of the second week of classes. Applications are accepted for Fall and Spring semesters. Students typically apply Spring semester of their Sophomore year. Forms can be obtained outside Room 223 PCSB, on the department website, and from Communication faculty members at the Stamford Regional Campus.

The decision to admit will depend on several criteria:

- Successful completion of at least 54 credits, or successful completion of 40 credits plus current enrollment that should result in at least 54 credits by the end of the current semester.

- **Cumulative GPA, and**

- Successful completion of COMM 100.

The applicant's academic record and space availability will also be considered.

We recommend that students interested in the Communication concentration complete COMM 105 and COMM 130 before junior year, if possible. **COMM 130 is a prerequisite for many 200-level media courses, and is advised for all students interested in media production, communication technology, marketing, public relations, or advertising.**

Prior to acceptance into the Communication major, students may designate themselves as Pre-Communication by notifying their advisor. The PRECOM designation, however, will only indicate an intention to apply and will not insure acceptance into the concentration. PRECOM majors must still apply to become Communication Sciences majors with a Communication concentration at the appropriate time. **PRECOM majors are given priority in registering for 100-level Communication courses.**

A minor in Communication is described in the [Minors](#) section.

2004-104C-7 & 8. Change Mathematics Major (both B.A. and B.S.)

Bachelor of Arts in Mathematics: The requirements for the B.A. in Mathematics are 27 credits of 200-level course work in Mathematics and 12 credits of course work in approved related areas. The required courses are [MATH 210](#) and [211](#) (or [220](#) and [221](#)), [213](#), [216](#), [227](#), [273](#), and at least 3 additional credits from any of the following courses: [MATH 215](#), [217](#), [225](#), [250](#), and [258](#). The remaining credits may come from any 200-level Mathematics courses, except [MATH 242W](#), [247](#) and [248](#). **To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, or Math 292W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.**

Bachelor of Science in Mathematics: The requirements for the B.S. in Mathematics are: MATH 220 and 221 (or 210 and 211), 213, 216, 227, 273-274, and at least 6 additional credits from any of the following courses: MATH 204, 215, 217, 223, 224, 225, 231, 232, 235, 237, 250, 252, 255, 258, 272, 277, 278, 281, 282, 286, and approved sections of 297 and 298, and at least 3 additional credits from any of the following courses: MATH 215, 217, 225, 250, and 258. In addition, at least 12 credits at the 200 level in approved related areas are required. **To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, or Math 292W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.**

2004-104C-9. Change Mathematics/Actuarial Science Major

Bachelor of Science or Arts in Mathematics-Actuarial Science: The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science are 36 credits at the 200 level in Mathematics, Statistics, Business, and related areas (in addition to [MATH 210](#) or [220](#)). The required courses are [MATH 227](#) or [215](#), [231](#), [232](#) (or [STAT 235](#)), [285](#), [286](#), [287-288](#), [STAT 230-231](#), and [FNCE 221](#) or [225](#). Students should include [ECON 111](#) and [112](#), a Computer Science course, and [ACCT 131](#) and [200](#) in their program of study as early as possible. To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, Math 291W, Math 292W, or FNCE 228W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.

Admittance to this program is available only to students who meet at least one of the following requirements:

- a total grade point average of 2.75 or higher;
- a total grade point average of 3.0 or higher in Mathematics;
- a passing score on one or more Actuarial examinations;
- acceptance by the Mathematics Department's Actuarial Science Committee.

To remain in the Actuarial Science Major, students are expected to maintain a total grade point average of 2.75 or higher.

2004-104C-10. Change Mathematics-Statistics Major

Bachelor of Science or Arts in Mathematics-Statistics: The requirements for the B.S. or B.A. in Mathematics-Statistics degree are 36 credits at the 200's level in Mathematics and Statistics (in addition to [MATH 210](#) or [220](#)), with at least 12 credits in each department. The required courses for the Mathematics-Statistics major are [MATH 215](#) or [227](#), [211](#) or [221](#), and Statistics [230](#) and [231](#). To satisfy the "Writing in the Major" and Information Literacy competencies, all students must pass one of the following courses: Math 201W, Math 202W, Math 242W, Math 292W, or STAT 202W. Satisfying the departmental major requirement will give students sufficient exposure to computer technology within the discipline to satisfy the department's Technology competency requirement.

2004-104C-11. Change Physics Major

Physics, a fundamental and quantitative science, involves the study of matter and energy, and interactions between them. The subject is generally divided into mechanics, electricity and magnetism, statistical and thermal physics, and quantum physics. These form the foundation for present-day research areas, which include astrophysics, atomic, molecular and optical physics, condensed matter physics, nuclear physics, and the physics of particles and fields. In addition to a knowledge of physics, students gain a rigorous training in logical thinking and quantitative problem solving. An education in physics can also provide an entry into many other fields such as biophysics, geophysics, medical physics, and engineering, as well as into less technical fields

such as secondary education, technical sales, and science writing. Many students have also found that physics is an excellent preparation for the study of medicine, dentistry, or law.

The preferred introductory sequence for a major in physics, common to all physics degree programs, consists of PHYS 140Q, 141Q, and 142Q. There are two options for the Bachelor of Science degree in physics: (1) the general option for students seeking to further their physics studies in graduate school and/or a career in research, and (2) the applied option, for students seeking graduate study in another field, medicine or dentistry, or a technical career in industry. The Bachelor of Arts degree in physics is ideal for pre-medical, pre-dental, or pre-veterinary students, students seeking double majors, or students seeking a middle or high school teaching career. There is also a Bachelor of Science in Engineering Physics offered jointly with the School of Engineering with possible emphases on Electrical Engineering, Mechanical Engineering, or Metallurgy and Materials Engineering.

In order to satisfy the Information Literacy exit competency requirement in the Physics Major, either PHYS 230 or PHYS 292W is required. Physics majors will satisfy the University's Computer Technology and Writing competency requirements by passing PHYS 258W, which is required of all Physics majors. Courses that further enhance competencies are PHYS 220C for computer technology, and PHYS 292W for writing skills.

These requirements apply to both the Physics BS and the BA degrees. Students in the Bachelor of Science in Engineering Physics are required to pass ENGR 100 in addition to PHYS 230 in order to satisfy the Information Literacy competency requirement. They are required to pass CSE 123 or the equivalent, in addition to PHYS 258W, in order to satisfy the Computer Technology Competency requirement; and PHYS 258W to satisfy the Writing in the Major requirement.

Bachelor of Science, General Option:

A total of 48 credits from 200-level courses in physics, other sciences, mathematics, or engineering are required. Among these, 36 credits must be physics courses. The 36 credits of physics must include PHYS 230Q, 242Q, 255Q, 257Q, 258W, 261Q, and 271Q, and at least three credits of an advanced laboratory (PHYS 256Q, 259, or 285). It is strongly recommended that students going on to graduate school in physics take PHYS 262Q. All students are strongly encouraged to participate in an undergraduate research project. An experimental research project (PHYS 299) may count towards the advanced laboratory requirement. No more than two credits from PHYS 291, and no more than six credits from PHYS 299 may be counted towards this degree option. The general option for the Bachelor of Science degree requires a minimum of 12 credits from 200-level related courses in mathematics, other sciences, or engineering.

Bachelor of Science, Applied Option:

A total of 48 credits from 200-level courses in physics, other sciences, mathematics, or engineering are required. Among these, 30 credits must be physics courses. The 30 credits must include PHYS 209Q, 210Q, 230Q, 258W, and 271Q, plus a minimum of nine credits from the following eight courses: PHYS 256Q, 259, 273Q, 274Q, 275Q, 281Q, 285, and 325, with at least three of the nine credits being from an advanced laboratory (PHYS 256Q, 259, or 285). These eight courses involve the application of knowledge from multiple basic subjects, i.e., from mechanics, electricity and magnetism, statistical and thermal physics, and quantum mechanics. (PHYS 242Q and 255Q together may replace PHYS 209Q.) All students are strongly encouraged

to participate in an undergraduate research project. An experimental research project (PHYS 299) may count towards the advanced laboratory requirement. The applied option for the Bachelor of Science degree requires a minimum of 12 credits from 200-level related courses in mathematics, other sciences, or engineering. To complete the 48 total required credits for the applied option, the remaining six credits may come from 200-level courses in physics, other sciences, mathematics, or engineering. No more than two credits from PHYS 291, and no more than six credits from PHYS 299, may be counted towards this degree option.

Bachelor of Arts:

A total of 36 credits from 200-level courses in physics, other sciences, mathematics, or engineering are required. Among these, 24 credits must be physics courses. These 24 credits must include PHYS 209Q, 210Q, 230Q, and 258W, along with 12 credits of elective physics courses. (PHYS 242Q and 255Q together may replace PHYS 209Q.) No more than two credits from PHYS 291, and no more than six credits from PHYS 299, may be counted towards this degree. The Bachelor of Arts degree requires a minimum of 12 credits from 200-level related courses in mathematics, other sciences, or engineering.

Bachelor of Science in Engineering Physics:

Offered jointly by the School of Engineering and the Department of Physics in the College of Liberal Arts and Sciences, Engineering Physics majors can concentrate in either (1) Electrical, (2) Mechanical or (3) Metallurgy and Materials Engineering. Students must satisfy the course requirements of both the College of Liberal Arts and Sciences and the School of Engineering to complete this degree.

The major requires 134 credits of course work. The preferred introductory sequence for a major in Engineering Physics, common to all three concentrations, consists of CHEM 127Q and 128Q, MATH 115Q and 116Q, PHYS 151Q and 152Q, CSE 123C, and ENGR 100.

Engineering Physics majors are required to complete the following: PHYS 230Q, 242Q, 255Q, 257Q, 258W, 261Q, 285; ENGR 295 (4 credits); MATH 210Q, 211Q, 272Q.

A. Electrical Engineering - ECE 201, 202, 204, 209W, 228, 229, 232, 241, 245, and 261; CSE 207 and 208W; MATH 227Q; PHYS 271Q; STAT 224; Elective courses (2 credits).

B. Mechanical Engineering - ME 220, 227, 233, 234, 242, 250 and 253; CE 211, 287; STAT 224; ME Elective Courses (6 credits); PHYS Elective Courses (3 credits); Elective Courses (6 credits).

C. Metallurgy and Materials Engineering - MMAT 243, 244, 255, 256, 265, 266, 267, 283 and 286W; CHEG 256; PHYS 273Q, 281Q; MMAT Elective Courses (6 credits); Elective courses (3 credits).

The options for the electives courses are specified in the *Engineering Physics Guide to Course Selection*.

A minor in Physics is described in the [Minors](#) section.

2004-104C-12. Change Statistics Major

The statistics major requires 24 credits at the 200 level in statistics, including STAT 230 and 231. MATH 215 or 227 and CSE 110 or 130 are strongly recommended. Since STAT 230 has

MATH 210 or 220 as a prerequisite, students should begin the calculus sequence as soon as possible.

Students without mathematical background who wish some skill in statistical methodology should take Statistics 110 followed by 201. Students interested in the statistical analysis of business and economic data should take Statistics 100 followed by 201. Students with the appropriate calculus prerequisite should take Statistics 220 rather than Statistics 110 or 100 and 201. Statistics 242 and 243 are appropriate continuations for each of these three introductory sequences. Students interested in statistics as a mathematical discipline should complete Statistics 230-231.

Students who complete the requirements for the statistics major will satisfy the Computer Technology requirement. To satisfy the Information Literacy competency, students must pass the STAT 200 and STAT 202W sequence. To satisfy the Writing in the Major requirement, students must pass the STAT 200 and STAT 202W sequence.

A minor in Statistics is described in the “Minors” section.

2004-104D-2. Change Biological Sciences Major

The requirements for the major in Biological Sciences are designed to ensure a sound and broad background in biology, with opportunities to explore related fields. Biological Sciences majors should take BIOL 107 and 108, but majors interested primarily in botany may wish to take BIOL 110 in addition or may substitute BIOL 110 for BIOL 108. Students wishing to complete this major must take at least 24 credits of 200's-level courses from [EEB](#), [MCB](#), and [PNB](#). It is strongly recommended that at least four courses include laboratory or field work. In addition to laboratory work associated directly with courses, Independent Study (course #299 in any of the three biology departments) will provide majors with a means of gaining specific research experience. Courses chosen for the major must include at least one course or course sequence from each of the following three groups:

- A. MCB 200, 203, 204, 210, 213, or 229
- B. EEB 244/244W or EEB 245/245W
- C. PNB 250 or 274-275 (Note: PNB 274-275 must be taken in sequence to be counted towards the Biology major).

To satisfy the Writing in the Major requirement, all students must pass at least one of the following courses: EEB 243W, 244W, 245W, 280W, 284W, 288W, 292W, 293W, 335W; MCB 222W, 226W, 240W, 241W, 292W; PNB 263W, 292W.

To satisfy the Information Literacy requirement, students enrolled in the “W” courses listed above will receive instruction from the Library staff on information retrieval and computer research methods related to biology.

A minor in Biological Sciences is described in the *Minors* section.

2004-104D-4. Change Ecology and Evolutionary Biology Major

Students majoring in Ecology and Evolutionary Biology may opt for either a Bachelor of Arts degree or Bachelor of Science degree. Both BA and BS degree candidates must complete the following courses in addition to the general CLAS requirements for these degrees:

BIOL 107, and BIOL 108 or 110 (8 credit total) CHEM 127 and 128 (8 credit total) or CHEM 124Q, 125Q, and 126Q

Requirements for the EEB Major (BS or BA)

I. Both of the following core courses:

EEB 244 or 244W General Ecology (4 credits) EEB 245 or 245W Evolutionary Biology (3-4 credits)

II. At least one of the following animal diversity courses

EEB 200 Biology of Fishes (4 credits) EEB 214 Biology of the Vertebrates (3 credits) EEB 252 Field Entomology (variable credits) EEB 254 Mammalogy (4 credits) EEB 265

Herpetology (4 credits) EEB 273 Comparative Vertebrate Anatomy (4 credits) EEB 275

Invertebrate Zoology (4 credits) EEB 281 & 287 Ornithology and Ornithology Lab (4 credits)

EEB 283 Introduction to Parasitology (4 credits) EEB 286 General Entomology (4 credits)

III. At least one of the following plant diversity courses:

EEB 203 Developmental Plant Morphology (4 credits) EEB 204 Aquatic Plant Biology (4

credits) EEB 227 Biology of Plants (3 credits) EEB 240 Biology of Bryophytes and Lichens (4 credits) EEB 271 Systematic Botany (4 credits) EEB 272 The Summer Flora (3 credits) EEB

280/W Evolution of Green Plants (3-4 credits) EEB 290 Biology of the Algae (4 credits)

IV. A course in physiology

EEB296 Physiological Ecology of Animals (students who take PNB 250 as a related course are not required to take EEB 296).

V. It is recommended that students take at least four EEB courses that require extensive laboratory or field work.

VI. Students are encouraged to complete a course in statistics.

VII. At least 24 credits of EEB courses at the 200-level or above, which may include courses in I - IV above.

VIII. Related Course Requirements:

At least 12 credits of 200 level science courses outside EEB, which must include either MCB 200 (Human Genetics) or 213 (Concepts of Genetic Analysis). One semester of organic chemistry is recommended.

IX. To satisfy the Writing in the Major requirement, all students must pass at least one of the following courses: EEB 243W, 244W, 245W, 280W, 284W, 288W, 292W, 293W, 335W

X. To satisfy the Information Literacy requirement, students enrolled in the "W" courses listed above will receive instruction from the Library staff on information retrieval and computer research methods related to biology.

A minor in Ecology and Evolutionary Biology is described in the *Minors* section.

2004-104D-9. Change Molecular and Cell Biology Major

This B.S. program is suitable for students with interests in biology at the cellular and subcellular level, including the areas of biochemistry, cell biology, developmental biology, molecular genetics, and microbiology, and their applications in biotechnology and medical science. Many opportunities for independent research projects in these areas are open for undergraduates.

The following 100's level courses are required: BIOL 107; CHEM 127, 128; MATH 115, 116 or 112, 113, 114; and PHYS131, 132 or 121, 122, 123. Courses required for the major: at least 24 credits in Biology: MCB courses, including:

Group 1: At least 3 of the following core courses

MCB 200 Human Genetics (Note: MCB 213 Concepts of Genetic Analysis, may be substituted for MCB 200)

MCB 204 Biochemistry

MCB 210 Cell Biology

MCB 229 Fundamentals of Microbiology

Group 2: Chemistry 243 and 244: Organic Chemistry

Group 3: Laboratory requirement: At least 3 laboratory courses chosen from the following list:

MCB 203 Introduction to Biochemistry

MCB 204 Biochemistry

MCB 213 Concepts of Genetic Analysis

MCB 214 Experiments in DNA identification

MCB 215 Experiments in Molecular Genetics

MCB 225 Advanced Cell Biology Laboratory

MCB 226 Advanced Biochemistry Laboratory

MCB 229 Fundamentals of Microbiology

MCB 233 Pathogenic Microbiology

MCB 235 Applied Microbiology

MCB 240W Bacterial Diversity and Ecology

MCB 299 Independent Study (may be repeated, but only 3 credits may count toward the 24 credits of required MCB courses)

For breadth of study in biology, it is recommended that students take PNB 250 and EEB 244 or 245. Majors must complete at least 24 credits in MCB courses at the 200 level or above.

Where appropriate, a course may fulfill more than one requirement; e.g., MCB 204 and 229 count towards the Group 1 requirement as well as the Group 3 Laboratory requirement. BIOL 295 may be used to count toward the 24 credits of required MCB courses.

To satisfy the MCB Writing and Information Literacy competency requirements, all students must take one of the following courses: MCB 222W, MCB 226W, MCB 240W, MCB 241W, MCB 292W, EEB 244W or EEB 245W.

A minor in Molecular and Cell Biology is described in the *Minors* section.

2004-104D-10. Change Physiology and Neurobiology Major

This major, which also leads to a Bachelor of Science, is suitable for students interested in the physiology and neurobiology of humans and animals. Coursework and independent study opportunities span the fields of comparative physiology, neurobiology, molecular endocrinology, reproductive endocrinology, developmental neurobiology and neurochemistry.

The following 100's level courses are required:

BIOL 107-108; CHEM 127-128 or 124-125-126; MATH 115-116 or 112-113-114; PHYS 131-132 or 121-122-123 or 141-142-143.

PNB majors must take no fewer than 24 credits in PNB courses numbered 200 and above. This must include all of the following core courses: PNB 274-275, 251, and 262. The remaining credits needed to fulfill this requirement should be selected from the available

PNB courses, including PNB 225, 250, 252, 260, 263W, 280, 292W, 298, and 299. (At most 3 credits from among PNB 292W, 298, and 299 may count toward the 24 credit requirement).

PNB majors must also take all of the following courses, which count as the related group:

CHEM 243-244; MCB 203 or 204, and either MCB 200 or 213.

In addition, students are urged to take:

CHEM 245; EEB 244 or 244W or 245 or 245W; and MCB 210.

To satisfy the Writing in Major requirement, all students must pass at least one of the following courses: PNB 263W, PNB 292W, EEB 244W, or EEB 245W.

To satisfy the Information Literacy requirement, students enrolled in the "W" courses listed above and in PNB 252, 298, and 299 will also receive instruction on information retrieval and computer research methods related to biology.

There is a minor in Physiology and Neurobiology. Additionally, a minor in Neuroscience is offered jointly by the Physiology and Neurobiology Department and the Psychology Department. Both programs are described in the "Minors" section of this *Catalog*.

2004-107. Drop seven Geography courses:

GEOG 210. Social Uses of Space

GEOG 210W. Social Uses of Space

GEOG 239. Geography of Asian American Experience

GEOG 252W. The American Landscape

GEOG 253. Geography of Russia and Eastern Europe

GEOG 253W. Geography of Russia and Eastern Europe

GEOG 255W. Geography of Latin America

2004-113. Change Minor in Urban and Community Studies

The minor in Urban and Community Studies is an interdisciplinary minor with a focus on educating citizens on the multiple dimensions of urban and community life and preparing students for careers in public and community service. While available with any undergraduate major, this minor provides an especially appropriate complement to majors in the social sciences, as well as professional schools that emphasize human services such as Human Development and Family Studies or Education.

The minor requires passing 15 credits at the 200 level as follows:

1. URBN 230

2. Two of the following with no more than one per department (Cross-listed courses count towards the non-URBN department): ECON 221, ECON223, GEOG/URBN 233, GEOG 274, HIST/URBN 241, HIST 246, HIST 247, POLS 260 or PP 260, POLS/URBN 263, PP 277, SOCI/URBN 280, SOCI 284, SOCI 285, URBN 248.

3. Two additional courses selected from group 2 or the following list: ECON 220, ECON 253, ECON/URBN 259, GEOG 246, GEOG 280, HIST 238, HIST 260, HIST 278, HIST 294, HDFS 201, HDFS 274, HDFS 276, INTD 211, POLS 248, POLS 249, POLS 274, POLS 276, PP 274, PP 276, SOCI 248, SOCI/URBN 281, SOCI 283, URBN 232 or INTD 212, URBN 290, URBN 295, URBN 298, URBN 299.

Students interested in pursuing a minor in Urban and Community Studies are advised to complete 100-level courses in the social sciences, which are prerequisites for courses in Urban and Community Studies. These include, but are not limited to GEOG/URBN130, ECON112, POLS173, SOCI107, SOCI115, and STAT100V/110V. They should also plan on enrolling in URBN230, which is open to sophomores, as soon as possible.

The minor is offered by the Urban and Community Studies Program.

2004-114 Add URBN 290. Approved catalog copy:

URBN 290. Understanding Your Community

Either semester. Three credits. Recommended Preparation: Three courses within the Urban and Community Studies major. With a change in content, may be repeated for credit.

Examination of an urban area or local community. Production of a detailed case study including historical perspective, analysis of issues and stakeholders, evaluation of internal strengths and weaknesses as well as external threats and opportunities. Proposal of strategies for addressing problems and advancing equity, growth, and development.

2004-116, 2004-117, 2004-118, 2004-119. Drop five POLS courses:

POLS 236W. Political Leadership in the Third World

POLS 246. Comparative State Politics

POLS 246W. Comparative State Politics

POLS 257. World Cultures and U.S. Law

POLS 278. Science, Technology, and Public Policy

2004-121. Change POLS 289. Approved catalog copy:

POLS 289. Senior Seminar

First semester. Three credits. Open only with consent of instructor.

Required for students in the Honors Program. Weekly seminar on selected topics in political science. **Students must complete this course prior to their final semester.**

2004-122 Change POLS 291V. Approved catalog copy:

POLS 291QC. Quantitative Analysis in Political Science

Either semester. Three credits. Open to sophomores or higher.

Explanation of the quantitative methods used in political science. Application of these methods for the analysis of substantive political questions.

2004-123. Change POLS 326. Approved catalog copy:

POLS 326. International Organization and Law

International cooperation to resolve economic, social, and political transnational problems.

3 credits, Seminar.

2004-124. Drop 10 POLS graduate courses:

POLS 347. State and Substate Political Systems

POLS 366. Organizational Politics and Policy Development

POLS 371. Urban Management and Politics

POLS 374. Planning and Land Use

POLS 377. Complex Systems Management

POLS 378. Computer Applications in Administration

POLS 385. Politics of Federal Organization

POLS 391. Public Policy Analysis

POLS 429. International Politics in East Asia

POLS 461. Research Seminar in Public Administration

2004-143. Drop one GEOG course:

GEOG 258. Geography of Africa

2004-148. Add HIST 266. Approved catalog copy:

HIST 266. Black Experience in the Americas

Either semester. Three credits. Recommended Preparation: HIST 238, 246, 282, or 285.

Pappademos.

Major themes in recent scholarship of African-descended communities in the Americas and their interconnection beyond geopolitical boundaries; race, gender, class, religion, cultural movements and practices, slavery, political economy, political movements, and African consciousness, from historical perspective.

2004-151. Add EEB 209W. Approved catalog copy:

EEB 209W. Soil Degradation and Conservation

(Also offered as EEB 309) Second semester, alternate years. Three credits. Recommended preparation: EEB 244 or equivalent. Instructor consent required. *Cardon*

Causes and consequences of soil degradation in agricultural and natural ecosystems, including salinization, erosion, nutrient impoverishment, acidification, and biodiversity loss. Historical perspective and current strategies of soil conservation.

2004-152. Add EEB 309. Approved catalog copy:

EEB 309. Soil Degradation and Conservation

Causes and consequences of soil degradation in agricultural and natural ecosystems, including salinization, erosion, nutrient impoverishment, acidification, and biodiversity loss. Historical perspective and current strategies of soil conservation. Readings in original literature will be emphasized.

3 credits, second semester, alternate years. Instructor consent required. Cardon

2004-153 Change WS 265W. Change approved unanimously, but the phrase “Restricted to women’s studies majors ~~only~~” should not be in the catalog description. The word “only” was deleted.

WS 265W: Women's Studies Research Methodology

First semester. Three credits. Prerequisite: [WS 103](#) or [WS 104](#) or [WS 124](#) or [HIST 121](#).

Women's Studies majors are strongly urged to take this course as early as possible and before [PHIL 218](#). **Restricted to Women’s Studies majors.**

Analyses of gender bias in research design and practice, problems of androcentric values, and overgeneralization in research. Varieties of feminist research methods and their implications for the traditional disciplines. Student projects using different methodologies.

2004-154. Change Sociology Major:

Sociology is an analytic discipline concerned with understanding people as creators of, and participants, in society. The field is broadly concerned with the study of modern society and its social organization, institutions, groups, and social roles. Sociologists study social influences on human behavior, such as sexuality, ethnic identity, and religious belief, and how individuals become members of families and communities. The field is also concerned with social problems,

especially all forms of prejudice, discrimination, and inequality, and with poverty, crime, violence, and the threatened environment. Sociologists emphasize sources of social problems in the organization of society, public policies for their alleviation, and today's questions of social justice. Finally, they study how individuals, both alone and working in groups, can change the society in which they live. A major in sociology opens many doors for careers and is excellent background for advanced training in a variety of other fields.

At least 24 credits of SOCI courses at the 200-level or above are required:

Three specific courses are required of all majors: SOCI 205, 207Q, and 270. (Note: Students must take SOCI 107, 115, 125, or 133 prior to taking SOCI 205, 207Q, and 270.)

Passing SOCI 205 satisfies the Information Literacy competency, and passing SOCI 207Q satisfies the Computer Technology competency. To satisfy the Writing in the Major requirement, students must pass one of the following courses: SOCI 216W, 217W, 218W, 219W, 226W, 227W, 230W, 240W, 242W, 243W, 244W, 245W, 247W, 248W, 249W, 250W, 252W, 253W, 255W, 258W, 259W, 260W, 265W, 267W, 268W, 269W, 270W, 280W, 281W, 282W, 283W, 288W, 290W, 294W, 296W.

At least one course must be taken from the following group: Inequality, Diversity, and Change (SOCI 221, 222, 226, 227, 235, 236, 240, 242, 243, 245, 249, 252, 258, 268, 269, 282, or 290)

Twelve additional credits (usually four courses) must be taken from any 200-level (or greater) courses offered by the department, including those listed above. (Note: No more than three credits of Sociology 296 can apply to the major).

A minor in Sociology is described in the "Minors" section.

2004-155. Change Chemistry Major:

Programs in the Department of Chemistry may lead to either the Bachelor of Arts or the Bachelor of Science degree. The American Chemical Society certifies a rigorous professional program which is an option for the B. S. students.

The B. A. degree is appropriate for students who are interested in chemistry but do not wish to pursue a career as a laboratory scientist. The B. S. degree prepares students to pursue graduate study in Chemistry or to find employment in technologically oriented industries.

Prospective majors with a good high school chemistry background should take CHEM 137 and 138 in their first year. Other prospective majors should take 127-128.

Chemistry majors must complete the following mathematics and physics sequences:

MATH 115 and 116 (or MATH 112, 113, and 114)

MATH 210 (or 220)

MATH 211 (or 221)

PHYS 131-132 (or PHYS 121, 122, and 123)

Failure to complete these sequences by the end of the fourth semester may delay completion of the degree.

A Minor in Chemistry is described in the "Minors" section.

Field of concentration for the B. A. and B. S. degrees are as follows:

Bachelor of Science

At least 35 credits of Chemistry courses numbered 200 and above must be successfully completed for the Bachelor of Science in Chemistry in addition to the College requirements. The field of concentration requirements include CHEM 243, 244, 245 (Organic), 263, 264, 265 (Physical), 210, 214, 215, (Inorganic), and 232, 234 (Analytical).

Bachelor of Arts

At least 28 credits of Chemistry courses numbered 200 or above must be successfully completed for the Bachelor of Arts in Chemistry in addition to the College requirements. The field of concentration requirements include those listed above for the B. S. degree with the exception of CHEM 215 and 234.

For the degree certified by the American Chemical Society, two courses designated by the Department as advanced courses must be taken in addition to the B. S. requirements. Also, these or other courses beyond the core curriculum must include at least 80 contact hours of laboratory work. The grade point average in all the required chemistry courses must be at least 2.300.

Undergraduate students are encouraged to participate in research.

To satisfy the Computer Technology competency, all students must take CHEM 265W. Other courses that will further enhance competency in Computer Technology include 215, 232, 234, and 264.

To satisfy the Information Literacy competency, all students must take CHEM 265W. Other courses that further enhance competency in Information Literacy include 215, 242W, 234, 270W, 296, and 297W.

To satisfy the Writing in the Major requirement, all students must take CHEM 265W. Other courses that will further help students develop writing skills in chemistry include 242W, 270W, and 297W.

2004-156. Change Major in Urban and Community Studies:

The undergraduate major in Urban and Community Studies is an interdisciplinary program in the College of Liberal Arts and Sciences with a focus on educating citizens on the multiple

dimensions of urban and community life and preparing students for careers in public and community service, as well as graduate study in social work, public administration, law, public health, or other related areas.

The major has three parts. First, students receive a broad education in the study of cities, suburbs, neighborhoods and communities through core courses in three fields drawn from Economics, Geography, History, Political Science, Public Policy, Sociology, and Anthropology (URBN248). Second, students acquire a solid foundation in analytical techniques such as statistical analysis, survey research, geographic information systems, qualitative methods, or archival research. Finally, students take three additional electives in order to broaden their academic training or to develop a deeper specialization in selected areas.

Requirements of the Major:

1. URBN 230

2. Three of the following with no more than one per department (cross-listed courses count towards the non-URBN department): ECON 221, ECON 223, GEOG/URBN 233, GEOG 274, HIST/URBN 241, HIST 246, HIST 247, POLS 260 or PP 260, POLS/URBN 263, PP 277, SOCI/URBN 280, SOCI 284, SOCI 285, URBN 248.

3. One of the following: ECON 217, GEOG 242, POLS 291, SOCI 205, STAT 201, URBN 220.

4. Three additional courses selected from group 2, group 3, or the following list: ECON 220, ECON 253, ECON/URBN 259, GEOG 246, GEOG 280, HIST 238, HIST 260, HIST 278, HIST 294, HDFS 201, HDFS 274, HDFS 276, INTD 211, POLS 248, POLS 249, POLS 274, POLS 276, PP 274, PP 276, SOCI 248, SOCI/URBN 281, SOCI 283, URBN 232 or INTD 212, URBN 290, URBN 295, URBN 298, URBN 299.

In order to assure a breadth of experience, students are encouraged to take courses which include content in each of the following areas: change over time, structural and spatial dimensions, diversity, power and decision-making, and political and social processes. One unique option for students is to enroll in the 15 credit Urban Semester Program, which provides major credit for two courses INTD211 and 212.

Students interested in pursuing a program in Urban and Community Studies are advised to complete 100-level courses in the social sciences which are prerequisites for courses in Urban and Community Studies. These include, but are not limited to, GEOG/URBN130, ECON112, POLS173, SOCI107, SOCI115, and STAT100V/110V. They should also plan on enrolling in URBN230, which is open to sophomores, as soon as possible.

The writing within the major requirement can be met by taking any of the following courses: GEOG280W, HIST/URBN241W, POLS/URBN263W, SOCI248W, SOCI/URBN280W, SOCI/URBN281W, SOCI283W, URBN290W. Students should be aware, however, that availability of specific W courses varies by campus. The information literacy requirements are met by successfully completing URBN230.

2004-157. Change Linguistics Major:

The Department of Linguistics offers two joint majors, one together with the Department of Philosophy in Linguistics and Philosophy, and the other with the Department of Psychology in Linguistics and Psychology. For either major, a minimum of four courses (twelve credits) at the 200 level from each department is required.

For the **Linguistics and Philosophy** joint major, specifically required courses are Linguistics

206 (Syntax and Semantics), **Linguistics 215 (Experimental Linguistics)**, and Philosophy 241 (Language: Meaning and Truth). For this joint major, **exit requirements for Computer Technology and Information Literacy will be satisfied by passing LING 215. The exit requirement for writing in the major will be satisfied by passing either Linguistics 244W or Philosophy 225W.**

For the **Linguistics and Psychology** joint major, specifically required linguistics courses are: LING 202 and 215C, and at least two out of the other 200 level linguistics courses; and specifically required psychology courses are: PSYC 202Q and 221, and at least two out of PSYC 210W, **215**, 220, 236, 254, and 256. All students in the Linguistics/Psychology Major are strongly encouraged to take LING/PSYC 305 in their senior year. A minimum of four courses (12 credits) at the 200 level from each department is required. For this joint major, **exit requirements for Computer Technology and Information Literacy will be satisfied by passing LING 215. The exit requirement for writing in the major will be satisfied by passing either Linguistics 244W or Psychology 210W.**

A minor in Linguistics is described in the “Minors” section.

Other students interested in Linguistics should consider forming their major group from the courses in another field, and using courses in linguistics for their related group, as described under “Field of Concentration,” item 1.

2004-158. Change Psychology Major:

[Note from the Chair: the day after we approved this proposal, David Miller from PSYC sent me edited copy to correct a potential problem that was not included in our review copy. The corrections are very minor and I think we can treat them as editorial. Miller comments “Skip Lowe pointed out to me today that PSYC 202Q might sometimes be taught as Q and not WQ at regional campuses and, during the summer, at Storrs. This necessitates very minor changes to what you just voted on yesterday.” Changes are few and not substantive; they would notate ‘PSYC 202Q/202WQ’ in certain places that are now only designated ‘PSYC 202WQ’. I’ve indicated those alterations in purple in the following copy. TT]

The Psychology Department recommends that its majors take a broad selection of psychology courses and electives to obtain a well-rounded introduction to the science. The Department encourages students to participate in its research activities, including laboratory courses, research seminars, and independent study experiences.

The Department advises students planning to major in psychology to secure a background in the basic sciences and relevant social sciences, preferably before their junior year. Suggested courses include Biology 102, 107, or 108; ANTH 106 or 220; and SOCI 107. If at all possible, majors should take STAT 110 (or 100) by their third semester.

A maximum of 7 200-level transfer credits in Psychology may count towards the major upon approval of the Transfer Coordinator in Psychology.

The following core curriculum is required: Our two introductory-level courses—General Psychology I 132 and either General Psychology II 133 or General Psychology II (Enhanced) 135— followed by at least twenty-four 200 level Psychology credits including:

Group I. Foundation. Both courses: Principles of Research in Psychology 202Q/202WQ and The History and Systems of Psychology 291/291W.

Group II. Social and applied science perspective. Two courses chosen so that two of the following four areas are represented: (a) Developmental Psychology 236; (b) Social Psychology 240; (c) Personality 243 or Abnormal Psychology 245/245W; (d) Industrial/Organizational Psychology 268.

Group III. Natural science perspective. Two courses (Bachelor of Arts degree) or three courses (Bachelor of Science degree) chosen so that two of the following five areas are represented: (a) Learning 220; (b) Cognitive Psychology 256; (c) Psychology of Language 221; (d) Animal Behavior 253 or Physiological Psychology 257/257W; (e) Sensation-Perception 254.

Group IV. Laboratory courses. Two courses from the following (Bachelor of Science degree only): Laboratory in Cognition 210W, Psycholinguistics Laboratory 211W, Laboratory in Sensation and Perception 215, Laboratory in Developmental Psychology 232W, Laboratory in Social Psychology 242/242W, Laboratory in Personality 244/244W, Laboratory in Animal Behavior and Learning 263/263W, Laboratory in Physiological Psychology 267/267W.

Additional 200-level Psychology Courses. (At least six credits for the Bachelor of Arts degree; optional for the Bachelor of Science degree.) May include any courses taken for **Groups II, and III** that are not used to fulfill those “core” requirements, as well as any Psychology course in the Catalog. Up to three credits of PSYC 297 or 299 can be used, and PSYC 294 cannot be used.

Related 200-level non-psychology courses. At least 12 credits. Must be approved by advisor prior to registration. Because of content overlap, COMM 210 (Persuasion), EPSY 221 (Educational Psychology), and HDFS 202 (Human Development: Infancy Through Adolescence) may not be used.

To satisfy the Computer Technology competency, all students must pass PSYC 202Q/202WQ. Other courses that will further enhance competency in Computer Technology include PSYC 210W, 232W, 244W, 263W, 267W, 296W, 297, and 299.

To satisfy the Information Literacy competency, all students must pass PSYC 202Q/202WQ. Other courses that will further enhance competency in Information Literacy include PSYC 132, 135, 210W, 232W, 244W, 263W, 267W, 296W, 297, and 299.

To satisfy the Writing in the Major requirement, all students must pass PSYC 202WQ. Other courses that will further help students develop writing skills in psychological science are PSYC 205W, 210W, 232W, 239W, 241W, 244W, 245W, 263W, 267W, 270W, 282W, 288W, 291W, and 296W. For students who have taken PSYC 202Q rather than 202WQ, one or more of the

above courses may be substituted with the permission of the Department Head.

There is a minor in Psychology. A minor in Neuroscience is also offered jointly by the Psychology Department and the Physiology and Neurobiology Department. Both programs are described in the *Minors* section.

Psychology also offers a joint-major with the Department of Linguistics. The description of the Linguistics-Psychology major appears under *Linguistics*.