

# Courses fulfilling SESP Distribution Requirements

## 2001-2002

This list is valid for 2001-2002 ONLY

The distribution requirements expose you to the major areas of intellectual inquiry within the arts and sciences. Courses in each of these five areas share subject matter, sources of primary data, evaluative criteria, and modes of analysis. By taking courses in each area, you become familiar with a broad range of problems and the methodologies for approaching them.

However, the distribution requirements are a beginning, not an end. By becoming familiar with these areas, you can not only choose future courses wisely but also begin acquiring the knowledge, breadth of interests, and intellectual flexibility that are the hallmark of the well-educated person.

### Approved Courses

Courses taken to satisfy the distribution requirements must be chosen from the attached list of courses (SESP generally follows the guidelines developed by CAS). Each year a few courses are added to the list and a few are deleted; only courses on the approved list in the year you take them satisfy these requirements.

Courses on the approved list meet several criteria: few or no prerequisites, making them suitable for freshmen and sophomores; consistent content from year to year, whoever the instructor may be; and availability each year or at least every other year. Because of this dependability, you can plan a program of study that will satisfy the distribution requirements as well as your interests and needs.

Courses that satisfy the distribution requirements provide a breadth of coverage, present a broad range of problems, introduce a discipline's basic vocabulary, or consider in a central way a discipline's methods of inquiry. Most introductory survey courses also meet these criteria, but the approved list contains far more than just survey courses. For example, many courses on the list introduce major subfields of a discipline: Biological sciences offers courses in biological clocks, human reproduction, and evolution and ecology that will fulfill the natural sciences requirement.

*Note:* Letters in parentheses indicate the quarter in which departments intend to offer courses. Actual offerings will appear in the *Class Schedule* available before advance registration each quarter. The availability and/or schedules for courses marked (TBA) had not yet been set as of July 2001.

*Note:* Course numbers reflect the new Northwestern numbering system: Former A-level courses are now 100 level courses; B-level courses are now 200 level courses.

### Area I Natural Sciences

This area introduces you to methods of inquiry and fundamental concepts in the natural sciences. Courses in this area consider the theoretical and empirical bases of generally applicable statements about the natural world.

#### Anthropology (ANTHRO)

213 Human Origins (W)

#### Astronomy (ASTRON)

101 Modern Cosmology (S)  
102 Milky Way Galaxy (F)  
103 Solar System (W)  
120 Highlights of Astronomy (WS)

#### Biological Sciences (BIOL SCI)

*Note:* any quarter of Biological Sciences 409-210-1,2,3 can be counted as one credit of the Area I requirement.

101 Biology in the Information Age (F)  
102 Human Abilities (F)  
103 Diversity of Life (WS)  
112 Biotechnology and Society (W)  
164 Genetics (S)

#### Chemistry (CHEM)

*Note:* any quarter of Chemistry 411-210-1,2,3 or 212-1,2,3 can be counted as one credit of the Area I requirement.

101 General Chemistry (F)  
102 General Inorganic Chemistry (W)  
171 Accelerated General Inorganic Chemistry (F)  
172 Accelerated General Physical Chemistry (W)  
201 Chemistry of Nature & Culture (W)

Civil Engineering (CIV ENG)  
206 Environmental Literacy (S)  
Cognitive Science (COG SCI)  
210 Language and the Brain (S)  
Communication Sciences & Disorders (COMM SCI)  
202 Biological Foundations of Communication (WS)  
Geological Sciences (GEOL SCI)  
101 Earth Processes & Products (S)  
106 The Ocean, Atmosphere & Our Climate (F)  
107 Plate Tectonics (S)  
110 The Earth as a Planet (W)  
111 Global Environmental Change (S)  
114 Uniformity, Catastrophe & Meaning of Evolution (F)  
201 Surface Processes (F)  
Materials Science (MAT SCI)  
101 Modern Materials and Society (S)  
Physics (PHYSICS)  
*Note:* any quarter of Physics 447-125-1,2,3 can be counted as one credit of the Area I requirement.  
103 Ideas of Physics (FWS)  
130-1 Introductory College Physics (F)  
130-2 Introductory College Physics (W)  
135-1 General Physics (FS)  
135-2 General Physics (FW)  
Psychology (PSYCH)  
212 Introduction to Neuroscience (FS)

### Area II Formal Studies

This area introduces you to concepts, methods, and use of formal rules of inference in mathematics, statistics, computer science, logic, linguistics, and cognate areas by showing how objects of thought and experience and their relationships can be analyzed in formal terms.

Computer Science (COMP SCI)  
110 Intro to Computer Programming (FWS)  
111 Fundamentals of Computer Programming (FW)  
Linguistics (LING)  
206 Formal Analysis of Words & Sentences (FWS)  
207 Sound Patterns in Human Language (S)  
Mathematics (MATH)  
*A student who has passed a course in mathematics above 214-2 with a grade of C- or better will be considered as having satisfied the Area II requirement.*  
104 Games and Fallacies (W)  
110 Survey of Modern Mathematics I (F)  
111 Survey of Modern Mathematics II (W)  
210-1 Math for the Behavioral Sciences (F)  
210-2 Math for the Behavioral Sciences (W)  
213 Review of Calculus of One Variable (F)  
214-1 Calculus (FW)  
214-2 Calculus (FWS)  
Music Studies, General, for Non-majors (GEN MUS)  
252 Harmony (F)  
Philosophy (PHIL)  
150 Elementary Logic I (F)  
250 Elementary Logic II (W)  
Statistics (STAT)  
201 Statistics and Public Policy (W)  
202 Introduction to Statistics (FWS)  
210 Introduction to Statistics for Social Sciences (FWS)

### Area III Historical Studies

The area of historical studies introduces the chronological development and historical relationships in cultural, social, political, economic, and military affairs in a broad temporal perspective.

See also "Interdisciplinary Studies," below

#### African American Studies (AF AM ST)

214-1 History of Racial Minorities in North America (W)  
214-2 History of Racial Minorities in North America (S)

#### Anthropology (ANTHRO)

214 Cultural Origins (S)

#### History (HISTORY)

201-1 European Civilization (W)  
201-2 European Civilization (S)  
210-1 History of the United States (F)  
210-2 History of the United States (W)  
214 Asian American History (W)  
255-3 Background to African Civilization & Culture (W)  
260-1 History of England to 1547 (W)  
260-2 History of England: 1599-Present (S)  
270 Middle Eastern/Islamic Civilization (F)  
274 History of Ancient Egypt (W)  
281 Chinese Civilization (W)  
285 Indian Civilization (S)

#### International Studies (INTL ST)

201-1 Introduction to the World System (W)  
201-2 Introduction to the World System (F)