

# 2007-2008

## THE UNIVERSITY OF TENNESSEE, KNOXVILLE

### GENERAL EDUCATION REQUIREMENT

**Statement of Purpose.** General education provides the foundation for successful academic study, for lifelong learning, and for carrying out the duties of local, national, and global citizenship. By building basic skills in communication, analysis, and computation as well as by broadening students' historical and cultural perspectives, the general education curriculum helps students acquire an understanding of both self and society, and thus contributes to their personal enrichment while enrolled and after graduation.

The University of Tennessee's general education program has been designed to enable the student to move among colleges within the university or to move to another institution of higher learning. Although it will provide the students with the skills required by college study, those skills are specific neither to UT Knoxville nor to a particular major or career path.

**Outcomes.** The program is expected to produce the following outcomes for the students.

**Building Basic Skills.** Because the hallmark of the educated person is the ability to think independently, students must be trained to acquire, evaluate, and use information.

- Students must be able to acquire information by conducting independent research, both in a conventional library setting and through the use of the rapidly developing electronic technologies, including databases and internet resources.
- Students must then learn to evaluate the reliability, accuracy, and logical soundness of that information. The students will be taught to apply evaluative techniques to statistical and rhetorical presentations in arts, humanities, natural sciences, and social sciences.
- Students must be trained to use the information that they have acquired. They must write clearly, speak convincingly, and solve problems using creative approaches.

**Developing Broadened Perspectives.** General education should help students develop habits of self-examination in the context of the individual's relationship to family, community, society, and world. To this end, general education should also help foster a commitment to respecting the diversity of personal and cultural values.

- Students should be able to explain their own values and beliefs, as well as to understand the histories and cultures behind those values. Students should also develop a commitment to lifelong learning so that they may continue to examine the relationships between their personal perspectives and the perspectives that arise from other cultures.
- Students should strengthen their sensitivity to cultural diversity by studying the histories and traditions of other cultures, both within and outside the United States; and by understanding the dynamic nature of a multicultural world through interdisciplinary perspectives or by learning other languages.

**These are the General Education requirements (See Notes).**

#### **A. For Building Basic Skills**

**I. Communicating through Writing** (3 courses including English 101 and 102 plus an approved writing-intensive course). Good writing skills enable students to create and share ideas, investigate and describe values, and record discoveries – all skills that are necessary not only for professional success but also for personal fulfillment in a world where communication increasingly takes place through electronic media. Students

must be able to identify areas for inquiry, locate relevant information, evaluate its usefulness and quality, and incorporate the information logically and ethically. They must be able to write correctly, and they must be aware that different audiences and purposes call for different rhetorical responses.

To satisfy this requirement, students take the first-year composition sequence and, upon completion of **English 101** and **102** or their equivalent (see Note 4), take one other course designated as "writing-intensive" (WC) in the undergraduate catalog. The writing-intensive courses can be within the student's major or an elective. In order to gain a (WC) designation, courses shall require formal and informal writing assignments that total 5,000 words.

#### **APPROVED COMMUNICATING THROUGH WRITING (WC) COURSES**

##### **Agricultural and Extension Education**

**440** Communication Techniques in Agriculture

##### **Anthropology**

**210** Principles of Biological Anthropology

##### **Animal Science**

**280** Biotechnology and Management Practices in Animal Production

##### **Architecture**

**213** History and Theory of Contemporary Architecture

##### **Biochemistry and Cellular and Molecular Biology**

**409** Perspectives in Biochemistry and Cellular and Molecular Biology

##### **Child and Family Studies**

**405** Development of Professional Skills

##### **Civil Engineering**

**205** Professional Development I

##### **Electrical and Computer Engineering**

**400** Senior Design

##### **English**

**206** Introduction to Shakespeare

**254** Themes in Literature

**255** Public Writing

**295** Business and Technical Writing

**355** Rhetoric and Writing

**360** Technical and Professional Writing

**363** Writing Poetry

**364** Writing Fiction

**398** Junior-Senior Honors Seminar

**455** Persuasive Writing

**499** Senior Seminar

##### **Forestry**

**321** Wildland Recreation

##### **Forestry, Wildlife and Fisheries**

**312** Principles of Silviculture

##### **Hotel, Restaurant, and Tourism**

**390** Professional Development (*same as Retail and Consumer Sciences 390*)

##### **Industrial Engineering**

**350** Junior Seminar

##### **Information Sciences**

**450** Writing About Science and Medicine (*same as Journalism and Electronic Media 450*)

**Journalism and Electronic Media**

- 200 Introduction to News Writing
- 201 Writing for Mass Media
- 414 Magazine and Feature Writing
- 444 Journalism as Literature
- 450 Writing About Science and Medicine (*same as Information Sciences 450*)
- 451 Environmental Writing
- 456 Science Writing as Literature

**Judaic Studies**

- 322 Medieval Philosophy (*same as Medieval Studies 322 and Philosophy 322*)

**Materials Science and Engineering**

- 405 Structural Characterization of Materials

**Medieval Studies**

- 322 Medieval Philosophy (*same as Judaic Studies 322 and Philosophy 322*)

**Music Education**

- 430 Music Methods for High School

**Musicology**

- 210 History of Western Music, Ancient to Baroque
- 330 Women in Music (*same as Women's Studies 330*)
- 380 Music in World Cultures

**Nuclear Engineering**

- 304 Nuclear and Radiological Engineering Laboratory I
- 403 Nuclear and Radiological Engineering Laboratory II

**Nursing**

- 403 Health Promotion and Maintenance in Child-bearing Families
- 494 Alternative Preceptorship

**Nutrition**

- 412 Food and Nutrition in the Community

**Philosophy**

- 241 Engineering Ethics
- 243 Business Ethics
- 246 Bioethics
- 290 Social and Political Philosophy
- 320 Ancient Western Philosophy
- 322 Medieval Philosophy (*same as Medieval Studies 322 and Judaic Studies 322*)
- 324 17th- and 18th-Century Philosophy
- 326 19th- and 20th-Century Philosophy
- 340 Ethics
- 382 Philosophy of Feminism (*same as Women's Studies 382*)
- 390 Philosophical Foundations of Democracy

**Plant Sciences**

- 448 Horticultural Internet Technology

**Retail and Consumer Sciences**

- 390 Professional Development (*same as Hotel, Restaurant, and Tourism 390*)

**Russian**

- 221 Rebels, Dreamers, and Fools: The Outcast in 19th-Century Russian Literature

**Social Work**

- 314 Human Behavior and the Social Environment

**Theatre**

- 300 Play Analysis

**University Honors**

- 257 Special Topics in the Arts and Humanities
- 267 Special Topics in the Social Sciences
- 277 Special Topics in Cultures and Civilizations

**Women's Studies**

- 330 Women in Music (*same as Musicology 330*)
- 382 Philosophy of Feminism (*same as Philosophy 382*)

**II. Communicating Orally (1 course).** The ability to communicate one's ideas orally is as important as the ability to express them well in writing. Students should be able to speak in an informative and/or convincing manner to other individuals and to groups, both small and large. Being able to express one's thoughts clearly has always been a critical component of good citizenship. Students should be able to locate relevant information, evaluate its usefulness and quality, and incorporate the information logically and ethically in public address. (See Note 5.) This requirement may be completed by

- (1) completion of **Communication Studies 210 or 240** or
- (2) completion of a course with an (OC) designation.

**APPROVED COMMUNICATING ORALLY (OC) COURSES****Aerospace Engineering**

- 410 Professional Development

**Animal Science**

- 360 Horse, Dairy, and Meat Animal Evaluation

**Biology**

- 157 Honors Experimental Biology

**Biomedical Engineering**

- 410 Professional Topics

**Biosystems Engineering**

- 401 Biosystems Engineering Design I

**Chemistry**

- 406 Senior Seminar

**Child and Family Studies**

- 405 Development of Professional Skills

**Civil Engineering**

- 205 Professional Development I

**Electrical and Computer Engineering**

- 400 Senior Design

**Environmental and Soil Sciences**

- 301 Professional Development

**Legal Studies**

- 244 Professional Responsibility (*same as Philosophy 244 and Religious Studies 244*)

**Mechanical Engineering**

- 410 Professional Development

**Nuclear Engineering**

- 400 Senior Seminar

**Nursing**

- 341 Transcultural Nursing
- 454 Professional Leadership Issues

**Philosophy**

- 242 Contemporary Moral Issues
- 244 Professional Responsibility (*same as Legal Studies 244 and Religious Studies 244*)

**Religious Studies**

- 244 Professional Responsibility (*same as Legal Studies 244 and Philosophy 244*)

**III. Quantitative Reasoning (2 courses).** In today's world, arguments and claims often rely for support on scientific studies and statistical evidence. Students should possess the mathematical and quantitative skills to evaluate such evidence. Furthermore, students should possess the skills both to recognize the quantitative dimension of problems and to use mathematical reasoning to formulate and solve the problem. Final-

ly, students need strong quantitative skills because they are indispensable in managing everyday-life situations. This requirement may be completed by either of the following.

- (1) Taking two mathematics or statistics courses from the list below. (Preferably, these courses would be taken in one of the following pairings: Mathematics 113 and 115; Mathematics 123 and 125; Mathematics 141 and 142; Mathematics 147 and 148; Mathematics 151 and 152; Mathematics 125, 141 or 147 and Statistics 201 or 207; Mathematics 115 and 123 or 125 or 202.)

#### Mathematics

- 113 Mathematical Reasoning
- 115 Statistical Reasoning
- 117 Honors Mathematical Reasoning
- 123 Finite Mathematics
- 125 Basic Calculus
- 141–142 Calculus I, II
- 147–148 Honors: Calculus I, II
- 151–152 Mathematics for the Life Sciences I, II
- 202 Probability, Statistics, and Euclidean Geometry

#### Statistics

- 201 Introduction to Statistics
- 207 Honors: Introduction to Statistics

or

- (2) taking one mathematics course from the list above and one course designated in the undergraduate catalog as having a quantitative component (QR). The course designated as having a quantitative component may be within the student's major or an elective.

#### APPROVED QUANTITATIVE REASONING (QR) COURSES

##### Architecture

- 331 Architectural Structures I

##### Computer Science

- 100 Introduction to Computers and Computing
- 102 Introduction to Computer Science

##### Interior Design

- 460 Lighting for Interior Design

##### Music Technology

- 290 Sound Recording Techniques

##### University Honors

- 187 Quantitative Reasoning Honors Seminar

#### B. For Developing Broadened Perspectives

- I. **Natural Sciences (2 courses).** As science and technology come to play an increasingly important role in contemporary life, it is essential for all educated persons to have a fundamental understanding of science and its methods. All students should be familiar with one or more scientific disciplines and the role of science in contemporary society. Such familiarity may be gained through acquisition of knowledge of a discipline's basic vocabulary, chief discoveries, and fundamental principles; exposure to a discipline's experimental techniques; and the ability to analyze issues with scientific dimensions. This requirement is satisfied by taking two courses from the approved list. At least one of the courses must have a laboratory.

#### APPROVED NATURAL SCIENCES (NS) COURSES († NON-LAB COURSES)

##### Anthropology

- 110 Human Origins†

##### Astronomy

- 151 A Journey through the Solar System†
- 152 Stars, Galaxies, and Cosmology†
- 161 A Journey through the Solar System with Laboratory
- 162 Stars, Galaxies, and Cosmology with Laboratory
- 217–218 Honors: Introductory Astronomy

#### Biology

- 101–102 Humankind in the Biotic World
- 111–112 General Botany
- 130 Biodiversity
- 140 Organization and Function of the Cell
- 157 Honors Experimental Biology

#### Chemistry

- 100 Principles of Chemistry
- 110 Introduction to Organic and Biochemistry
- 120–130 General Chemistry I and II
- 128–138 Honors: General Chemistry I and II

#### Entomology and Plant Pathology

- 201 Impact of Insects and Plant Diseases on Human Society†

#### Forestry, Wildlife and Fisheries

- 250 Conservation†

#### Geography

- 131–132 Geography of the Natural Environment I and II

#### Geology

- 101 The Dynamic Earth
- 102 Earth, Life, and Time
- 103 The Earth's Environment
- 107 Honors: The Dynamic Earth
- 108 Honors: Earth, Life, and Time
- 201 Biodiversity: Past, Present, and Future†
- 202 Earth As An Ecosystem: Modern Problems and Solutions†
- 203 Geology of National Parks†
- 205 Age of the Dinosaur†

#### Microbiology

- 210 General Microbiology

#### Nutrition

- 100 Introductory Nutrition†

#### Physics

- 101–102 How Things Work I and II†
- 135–136 Introduction to Physics for Physical Science and Mathematics Majors I and II
- 137–138 Honors: Fundamentals of Physics for Physics Majors I and II
- 161 Elements of Physics for Architects and Interior Design Students†
- 221–222 Elements of Physics
- 231 Fundamentals of Physics: Electricity and Magnetism
- 232 Fundamentals of Physics: Wave Motion, Optics, and Modern Physics

- II. **Arts and Humanities (2 courses).** To live well in the present, one must have an acquaintance with the past, especially with the cultural achievements that are the distinctive hallmarks of all human societies. An appreciation of art, music, theater, literature, and philosophy will not only enrich the lives of students, but it will also help them understand their own and other's aspirations, both in a historical and a contemporary context. This requirement is satisfied by taking two courses from the list below.

#### APPROVED ARTS AND HUMANITIES (AH) COURSES

##### Africana Studies

- 162 Art of Africa, Oceania, and Pre-Columbian America (*same as Art History 162*)
- 233 Major Black Writers (*same as English 233*)

##### Architecture

- 111 Architecture and the Built Environment
- 117 Honors: Architecture and the Built Environment
- 211 History and Theory of Architecture I
- 212 History and Theory of Architecture II
- 217 Honors: History and Theory of Architecture I
- 218 Honors: History and Theory of Architecture II

## Art History

- 162 Art of Africa, Oceania, and Pre-Columbian America (*same as Africana Studies 162*)
- 167 Honors: Art of Africa, Oceania, and Pre-Columbian America
- 172 Western Art I
- 173 Western Art II
- 177 Honors: Western Art I
- 178 Honors: Western Art II
- 183 Asian Art
- 187 Honors: Asian Art

## Classics

- 221 Early Greek Mythology
- 222 Classical Greek and Roman Mythology
- 232 Archaeology and Art of Ancient Greece and Rome
- 253 Greek and Roman Literature in English Translation

## English

- 201 British Literature I: Beowulf through Johnson
- 202 British Literature II: Wordsworth to the Present
- 206 Introduction to Shakespeare
- 207 Honors: British Literature I
- 208 Honors: British Literature II
- 221 World Literature I: Ancient through Early Modern
- 222 World Literature II: The Eighteenth-Century to the Present
- 231 American Literature I: Colonial Era to the Civil War
- 232 American Literature II: Civil War to Present
- 233 Major Black Writers (*same as Africana Studies 233*)
- 237 Honors: American Literature I: Colonial Era to the Civil War
- 238 Honors: American Literature II: Civil War to Present
- 251 Introduction to Poetry
- 252 Introduction to Drama
- 253 Introduction to Fiction
- 254 Themes in Literature

## Legal Studies

- 244 Professional Responsibility (*same as Philosophy 244 and Religious Studies 244*)

## Musicology

- 110 Introduction to Music in Western Culture
- 115 Music in the United States
- 120 History of Rock
- 125 Jazz in American Culture
- 210 History of Western Music, Ancient to the Baroque
- 220 History of Western Music, Classical to the Present
- 290 Soundscapes: Exploring Music in a Changing World

## Philosophy

- 110 The Human Condition: Values and Reality
- 111 The Human Condition: Knowledge and Reality
- 117 Honors: Introduction to Philosophy
- 118 Honors: Introduction to Philosophy
- 241 Engineering Ethics
- 242 Contemporary Moral Issues
- 243 Business Ethics
- 244 Professional Responsibility (*same as Legal Studies 244 and Religious Studies 244*)
- 245 Environmental Ethics
- 246 Bioethics
- 290 Social and Political Philosophy

## Religious Studies

- 244 Professional Responsibility (*same as Legal Studies 244 and Philosophy 244*)

## Russian

- 221 Rebels, Dreamers, and Fools: The Outcast in 19th-Century Russian Literature
- 222 Heaven or Hell: Utopias and Dystopias in 20th-Century Russian Literature

## Theatre

- 100 Introduction to Theatre

## University Honors

- 157 Arts and Humanities Honors Seminar
- 257 Special Topics in the Arts and Humanities

**III. Social Sciences (2 courses).** The goal of the social sciences is to help us understand the way that we live, especially the relation between the individual and the group, sometimes from an historical but often from a contemporary perspective. Vital to the continued health and success of our society is an understanding of the complex individual, political, and social dynamics that make up the modern world. Students should not only have knowledge of the principal concerns of the social sciences, but they should also understand the methods by which social scientists collect and evaluate knowledge. This requirement is satisfied by taking two courses from the following list.

### APPROVED SOCIAL SCIENCES (SS) COURSES

#### Africana Studies

- 201 Introduction to African-American Studies
- 202 Introduction to African-American Studies

#### Anthropology

- 130 Cultural Anthropology

#### Child and Family Studies

- 210 Human Development
- 220 Marriage and Family: Roles and Relationships (*same as Women's Studies 230*)

#### Economics

- 201 Introductory Economics: A Survey Course
- 207 Honors: Introductory Economics

#### Geography

- 101-102 World Geography

#### Political Science

- 102 Introduction to Political Science

#### Psychology

- 110 General Psychology
- 117 Honors: General Psychology

#### Sociology

- 110 Social Justice and Social Change
- 117 Honors: Social Justice and Social Change
- 120 General Sociology
- 127 Honors: General Sociology

#### University Honors

- 167 Social Science Honors Seminar
- 267 Special Topics in the Social Sciences

#### Women's Studies

- 230 Marriage and Family: Roles and Relationships (*same as Child and Family Studies 220*)

**IV. Cultures and Civilizations (2 courses).** Knowledge of foreign languages and cultures and their histories have long been required of educated people. Today technologies of travel and communication create global communities, and so increase the importance of this knowledge. While it is not possible to become expert in all cultures and civilizations, a perspective on which to build knowledge over a lifetime can be gained by study of foreign languages and the study of the cultures and histories of their speakers. This perspective improves the ability of students to function effectively in the

global community of the twenty-first century by developing an appreciation of linguistic, historical, and cultural diversity. This requirement is satisfied by either

(1) taking two courses from the following list

or

(2) taking a two-course sequence in a foreign language at the intermediate level.

#### APPROVED CULTURES AND CIVILIZATIONS (CC) COURSES

##### Africana Studies

**235–236** Introduction to African Studies

##### Anthropology

**120** Prehistoric Archaeology

##### Asian Studies

**101–102** Asian Civilization

##### Classics

**201** Introduction to Classical Civilization

##### Environmental and Soil Sciences

**120** Soils and Civilizations

**220** Waters and Civilizations

##### Global Studies

**250** Introduction to Global Studies (*same as Sociology 250*)

##### History

**241–242** Development of Western Civilization

**247–248** Honors: Development of Western Civilization

**255–256** Introduction to Latin American Studies (*same as Latin American Studies 251–252*)

**261–262** A History of World Civilization

##### Latin American Studies

**251–252** Introduction to Latin American Studies (*same as History 255–256*)

##### Medieval Studies

**201–202** Medieval Civilization

##### Religious Studies

**101** World Religions in History

**102** The Comparison of World Religions

##### Sociology

**250** Introduction to Global Studies (*same as Global Studies 250*)

##### University Honors

**177** Cultures and Civilizations Honors Seminar

**277** Special Topics in Cultures and Civilizations

#### INTERMEDIATE FOREIGN LANGUAGE SEQUENCES

##### Arabic

**221–222** Intermediate Modern Standard Arabic I, II (*same as Asian Studies 221–222*)

##### Asian Languages

**231–232** Intermediate Chinese I, II (*same as Chinese 231–232*)

**251–252** Intermediate Japanese I, II (*same as Japanese 251–252*)

##### Asian Studies

**221–222** Intermediate Modern Standard Arabic I, II (*same as Arabic 221–222*)

**241–242** Intermediate Modern Hebrew I, II (*same as Hebrew 241–242*)

**261–262** Intermediate Persian I, II (*same as Persian 261–262*)

##### Chinese

**231–232** Intermediate Chinese I, II (*same as Asian Languages 231–232*)

##### Classics

**251–252** Intermediate Latin I, II

**261** Intermediate Greek: Grammar Review and Readings

**264** Intermediate Greek: Epic Poetry

##### French

**211–212** Intermediate French I, II

**217–218** Honors: Intermediate French I, II

##### German

**201–202** Intermediate German I, II

##### Hebrew

**241–242** Intermediate Modern Hebrew I, II (*same as Asian Studies 241–242*)

##### Italian

**211–212** Intermediate Italian

##### Japanese

**251–252** Intermediate Japanese I, II (*same as Asian Languages 251–252*)

##### Persian

**261–262** Intermediate Persian I, II (*same as Asian Studies 261–262*)

##### Portuguese

**211–212** Intermediate Portuguese

##### Russian

**201–202** Intermediate Russian

##### Spanish

**211–212** Intermediate Spanish

**217–218** Honors: Intermediate Spanish

#### NOTES

- (1) Some courses on the various General Education course lists may have prerequisites. Students are responsible for meeting all course prerequisites.
- (2) A student's college/program may require specific General Education courses.
- (3) General Education courses must be taken for a letter grade (i.e., A-F) rather than Satisfactory/No Credit (unless this is the only way the course is offered).
- (4) See College of Arts and Sciences Basic Skills Requirement- Communicating through Writing in the Undergraduate Catalog for information on course equivalencies for English 101 and 102.
- (5) The Office of Disability Services (ODS) is committed to providing equal opportunities for students with disabilities at the University of Tennessee. Appropriate accommodations will be made to enable persons with disabilities to satisfy the General Education requirements. Students with documented disabilities should contact the Office of Disability Services for assistance with appropriate accommodations at (865) 974-6087 or ods@tennessee.edu.
- (6) Subcommittees of the Undergraduate Council General Education Committee are charged with management of the courses to be included on the General Education course lists for the Basic Skills and Broadened Perspectives areas. The most current list of General Education courses is posted at <http://web.utk.edu/~ugcouncil>.