

2008-2009

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

1. **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

ART HISTORY

376 Seminar in Art History

BIOCHEMISTRY AND CELLULAR AND MOLECULAR BIOLOGY

409 Perspectives in Biochemistry and Cellular and Molecular Biology

CHEMICAL ENGINEERING

310 Chemical and Biomolecular Engineering Laboratory

CHEMISTRY

479 Physical Chemistry Laboratory I

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 TOURISM390 Professional Development (*same as Retail and Consumer Sciences 390*)**INDUSTRIAL ENGINEERING**

350 Junior Cooperative Learning Experience

INFORMATION SCIENCES450 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 STUDIES322 Medieval Philosophy (*same as Medieval Studies 322 and Philosophy 322*)**MATERIALS SCIENCE AND ENGINEERING**

405 Structural Characterization of Materials

MEDIEVAL STUDIES322 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

327 Honors: Ancient Western Philosophy

328 Honors: 17th- and 18th- Century Philosophy

340 Ethics

347 Honors: Ethics

382 Philosophy of Feminism (*same as Women's Studies 382*)

390 Philosophical Foundations of Democracy

PLANT SCIENCES

410 Nursery Management and Production

448 Horticultural Internet Communication

RETAIL AND CONSUMER SCIENCES390 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

SOCIOLOGY

260 Introduction to the Study of Environmental Issues

495 Social Justice and Community Service

THEATRE

300 Play Analysis

WOMEN'S STUDIES330 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 Topics

ANIMAL SCIENCE

360 Horse, Dairy, and Meat Animal Evaluation

ART DESIGN/GRAPHIC

452 Design Seminar

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

MATERIALS SCIENCE AND ENGINEERING

489 Materials Design

MECHANICAL ENGINEERING

410 Professional Topics

NUCLEAR ENGINEERING

400 Senior Seminar

NURSING

- 341 Transcultural Nursing
- 454 Professional Leadership Issues

PHILOSOPHY

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

RELIGIOUS STUDIES

- 244 Professional Responsibility (*same as 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. Finally, 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

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†
- 117 Honors: 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 Dinosaurs†
- 207 Honors: Age of Dinosaurs†
- 208 Honors: Earth as an Ecosystem: Modern Problems and Solutions†

HASLAM SCHOLARS PROGRAM

- 288 Energy in the Modern World†

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*)225 Introduction to African Literature (*same as English 225*)226 Introduction to Caribbean Literature (*Same as English 226*)**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 HISTORY162 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

225 Introduction to African Literature (*same as Africana Studies 225*)226 Introduction to Caribbean Literature (*Same as Africana Studies 226*)

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

HASLAM SCHOLARS PROGRAM

258 Foundations of Modernity

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 Religious Studies 244*)

245 Environmental Ethics

246 Bioethics

290 Social and Political Philosophy

RELIGIOUS STUDIES244 Professional Responsibility (*same as 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

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
- 137 Honors: 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

HASLAM SCHOLARS PROGRAM

- 268 Perspectives on Globalization

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

- 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
- 127 Honors: 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
- 267-268 Honors: 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
- 107 Honors: World Religions in History

SOCIOLOGY

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

UNIVERSITY HONORS

- 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>.