

**PURPOSE of UNIVERSITY GENERAL EDUCATION (UGE) PROGRAM
(MUST BE KSU COURSES)**

The University General Education program has been designed to expand the experiences and vision of undergraduates to carry forward in the conduct of their lives, the interest and capacity for improving and enriching life. Students will be given the opportunity for developing the ability to appreciate differing viewpoints, to consider openly new and divergent thinking, to weigh ideas with careful skepticism, to challenge conventional wisdom, and to explore for more accurate and more useful knowledge. They will be challenged to develop expertise in critical and analytical thinking; careful and thoughtful reading, writing and speech; an indication to wonder; a penchant for questioning; and a desire to solve puzzles and problems. (UGE Policy effective fall 1997)

College of Engineering University General Education Requirements

(includes University requirements)

1. Minimum of 18 credit hours from the following areas:

- a. Natural science: 3 credit hours
- b. Unrestricted disciplines: 9 credit hours
- c. Humanities and social science: 6 credit hours

Must be selected from UGE courses that are also on the engineering approved humanities and social science (H & SS) list. A minimum of three credit hours must be taken in humanities and three credit hours in the social sciences.

2. At least six of the UGE credit hours must be 300 level or above, and may include one UGE "Advanced Writing Experience" course required within the student's major. Normally the 300 level or above will be from the H & SS areas (see advisor).

3. No more than 6 credit hours from the College of Engineering. One course up to three credit hours may be in the student's major, if this course meets the UGE Advanced Writing Experience. No other course from the student's major can apply towards UGE credit, unless approved by the Faculty Senate.

Exceptions for Transfer Students:

A minimum number of University General Education credit hours required for transfer students are based upon the total number of completed transfer credit hours accepted at KSU. The student's advisor will approve variances in the minimum requirements considering the need for breadth (may require more than minimum totals below in order to meet requirements above.)

Transfer Credit Hours*	Minimum UGE (MUST BE KSU COURSES) Credit Hours (6 hrs. min. of 300 or higher H&SS elect.)
Accepted	
0-7	18
8-29	12
30-44	9
45 & above	6

*All AP, CLEP IB and DANTES credits are considered as transfer credit for the use of this chart.

NOTE:

1. Any student that has earned advance credit (transfer, AP, etc.), or KSU credit prior to the fall 1997 semester is not required to complete the University General Education requirements.
2. Some courses are not applicable to all engineering degree programs, especially in the technical elective area, so students must obtain approval from their advisors.
3. Some individual engineering curricula require additional elective credits from the humanities and social sciences. These also must be from the Engineering approved H&SS elective list, but need not be UGE credit hours.
4. Students must earn letter grades for all credit hours applicable towards degree requirements.
5. Students who participate in study abroad programs approved by Kansas State University will meet UGE requirements upon successful completion of either KSU study abroad course work or transfer of study abroad course credit accepted by KSU.

Number of Study Credit Hours	University General Education Requirements Met
3-6	3 UGE credits at 300 level
7 and above	6 UGE credits at 300 level

6. It is emphasized that all engineering curricula require two courses at 300 or higher level humanities and/or social science elective credits. These MUST be from the Engineering approved H&SS elective list, but need not be UGE credit hours. This requirement is not waived by studying abroad, but equivalent level courses can be transferred from international schools. Students should check with the Engineering Assistant Dean of Student Services 1042 Rathbone, to assure their transfer courses apply towards degree requirements.

UGE NATURAL SCIENCE COURSES (minimum of 3 credit hours)

(Either required, or used as technical elective if advisor approves. Some cannot be used for specific degrees)

Earned & Applicable	Credit Hrs.	Number	Title
___	3	BIOCH-110	Biochemistry and Society
___	1	BIOCH-111	Biochem. and Society Lab
___	5	BIOCH-265	Intro. Organic and Biochemistry (cannot use if BIOCH-521, CHM-350 or CHM-531 completed)
___	4	BIOL-198	Prin. Of Biology
___	3	BIOL-330	Public Health Biology
___	3	CHM-110*	Gen. Chemistry
___	1	CHM-111*	Gen. Chemistry Lab
___	4	CHM-210	#Chemistry I
___	4	CHM-230	#Chemistry II
___	5	CHM-220	#Chemical Principles I
___	5	CHM-250	#Chemical Principles II
___	3	CHM-350	Gen. Organic Chemistry
___	2	CHM-351	Gen. Organic Chemistry Lab
___	4	GEOG-221	Environmental Geog I
___	4	GEOG-321	Environmental Geog II
___	3	GEOG-508	Geographic Info Sys I
___	3	GEOG-535	Fund. To Climatology
___	3	GEOL-100	Earth in Action
___	3	GEOL-102	Earth Through Time
___	3	GEOL-103	Geol. Lab
___	3	GEOL-105	Oceanography
___	3	GEOL-115	Environmental Geol.
___	3	GEOL-125	Natural Disasters
___	3	GEOL-506	Geol. and Environment
___	3	GEOL-540	Ice Ages and Env. Change
___	3	PHYS-101*	The Physical World I
___	3	PHYS-191*	Descriptive Astronomy
___	3	PHYS-451	Prin. Of Contemporary Physics OR
___	4	PHYS-452	Contemporary Physics: Problems & Principles
___	3	STAT-325**	#Intro to Statistics
___	3	STAT-340	Biometrics 1
___	3	STAT-350**	#Business and Econ. Stat.
___	___	TOTAL UGE NATURAL SCIENCE CREDIT HOURS (Min. of 3 hours)	

UGE TECHNICAL ELECTIVES (other than Natural Sciences)

(Technical elective credits are referred to as option electives, restricted electives, complementary electives, professional electives, as well as technical electives, and must have advisor's approval.)

Earned & Applicable	Credit Hrs.	Number	Title
___	3	AGEC-120	Ag. Econ. And Agribusiness
___	2	AGEC-420	Commodity Futures
___	3	AGEC-525	Natural Resources and Env. Econ.
___	3	AGRON-335	Env. Quality
___	3	ACCT-231	Acct. for Business Oper.
___	3	ACCT-241	Acct. for Investing and Fin.
___	1	AERO-211	Aerospace Studies 2B
___	3	AERO-311	The Professional Officer 3B
___	3	ASI-595	Contemporary Issues in Animal Science
___	3	CIS-411	Global Information Systems
___	1	DEN-325	Intro to Personal and Professional Development
___	3	DEN-582	Natural Resources Env. Science Project
___	2	EDADL-212	Intro to Leadership Concepts
___	3	ENTOM-301	Insects and People
___	3	FINAN-250	Personal Investing and Risk Management
___	3	GEOG-302	Cartography and Thematic Mapping
___	1	MANGT-300	Introduction to Total Quality Management
___	3	MANGT-641	Management of Quality
___	3	MKTG-400	Marketing
___	V	MSCI-200	Self/Team Development
___	V	MSCI-202	Individual/Team Military Tactics
___	3	PLAN-315	Introduction to Planning
___	3	PLPTH-300	Microbes, Plants, and the Human Perspective
___	___	TOTAL UGE TECHNICAL ELECTIVE CREDIT HOURS	

* Applicable only for IS degree.

** Applicable only for IS and CNSM degrees.

Only one of any two similar individual department courses listed will apply towards degree requirements (CHM 210 or 220, CHM 230 or 250, STAT 325 or 350, etc.)

**UGE HUMANITIES and SOCIAL SCIENCES (H&SS) COURSES
(MUST BE KSU COURSES)**

At least one course from each of the humanities and the social sciences (H & SS) areas:
Six UGE credit hours must be at or above the 300 level. These credits normally are from the H & SS areas, but some curricula will allow other areas (see advisor).

UGE HUMANITIES (the branches of knowledge concerned with humanity and its culture)

Credit hrs	Number	Title
___	3	AMETH-160 Intro to American Ethnic Studies
___	3	ARCH-290 Architecture Through the Ages
___	3	ARCH-301 Appreciation of Architecture
___	3	ARCH-670 Hist. of Amer. Arch. And Allied Design I
___	3	ARCH-671 History of Amer. Arch. And Allied Design II
___	3	ART-100 2-D Design
___	3	ART-190 Drawing I
___	3	ART-195 Survey of Art History I
___	3	ART-196 Survey of Art History II
___	4	CHINE-101 Chinese I
___	4	CHINE-102 Chinese II
___	5	CHINE-201 Chinese III
___	5	CHINE-202 Chinese IV
___	3	DAS-300 Primary Texts
___	3	DEN-210 History of Building and Construction
___	3	ENGL-220 Fiction into Film
___	3	ENGL-230 Classical Cultures
___	3	ENGL-231 Medieval and Renaissance
___	3	ENGL-233 Reformation to Enlightenment
___	3	ENGL-234 Modern
___	3	ENGL-261 British Lit.: Medieval & Renaissance
___	3	ENGL-262 British Lit.: Enlightenment to Modern
___	3	ENGL-270 American Literature
___	3	ENGL-285 Intro to American Ethnic Literature
___	3	ENGL-287 Great Books
___	3	ENGL-315 Cultural Studies
___	3	ENGL-355 Literature for Children
___	3	ENGL-385 Selected American Ethnic Literature
___	3	ENGL-386 African American Literature
___	3	ENGL-387 American Indian Literature
___	3	ENGL-388 Asian American Literature
___	3	ENGL-389 Latina/o Literature
___	3	ENGL-390 Fable and Fantasy
___	3	ENGL-440 Themes in Literature
___	1-3	ENGL-445 Literature Kinds
___	3	ENGL-450 Literature and Society
___	3	ENGL-470 The Bible
___	3	ENGL-525 Women in Literature
___	3	ENGL-545 Literature for Adolescents
___	3	ENGL-580 Selected World Literature
___	5	FREN-111 French I
___	5	FREN-112 French II
___	5	FREN-113 Accelerated Beg. French
___	5	FREN-211 French III
___	4	FREN-213 French IV
___	3	FREN-514 Contemporary France
___	3	FREN-515 French and Francophone Culture
___	3	FREN-516 Readings in French
___	3	FREN-517 Commercial French
___	3	FREN-520 Intro to French Literature I
___	3	FREN-521 Intro to French Literature II
___	4	GRMN-121 German I
___	4	GRMN-122 German II
___	3	GRMN-221 German III
___	3	GRMN-223 German IV
___	3	GRMN-503 German in Translation
___	3	GRMN-510 German Film
___	3	GRMN-515 Topics in German Cultural Studies
___	3	HIST-330 History of East Asian Civilization
___	3	HIST-511 Environmental History
___	3	HIST-520 Death and Dying in History
___	3	HIST-536 The American West
___	3	HIST-537 History of the Indians of North America
___	3	HIST-554 History of the South

UGE HUMANITIES (Continued)

___	3	HIST-556 Bill of Rights in American History
___	3	HIST-570 Europe in the Seventeenth Century
___	3	HIST-577 Int'l Relations since 1815
___	3	HIST-583 History of France 1400-1715
___	3	HIST-584 History of France Since 1715
___	3	HIST-591 The Russian Empire
___	3	LAR-322 Environmental Issues and Ethics
___	3	MUSIC-100 Music Fundamentals
___	2	MUSIC-160 Music Listening Lab.
___	3	MUSIC-245 Intro. To Amer. Music
___	3	MUSIC-250 Intro. To Music
___	2	MUSIC-310 History of Musical Instruments
___	3	MUSIC-420 History of Jazz
___	3	MUSIC-421 Salsa: Afro-Cuban Music of the Past & Present
___	2-3	MUSIC-424 Jazz in Kansas City and the Southwest
___	3	PHILO-100 Intro to Philosophical Problems
___	3	PHILO-115 Intro. to Philosophical Religion
___	3	PHILO-120 Philosophy of Art
___	3	PHILO-125 Intro. to Philosophical Science
___	3	PHILO-130 Intro. to Moral Philosophy
___	3	PHILO-135 Intro. to Social and Political Philosophy
___	3	PHILO-140 Intro. to Philosophy of Mind
___	3	PHILO-145 Historical Intro. to Philosophy
___	3	PHILO-365 Medical Ethics
___	3	PHILO-380 Philosophy and Race
___	3	PHILO-390 Business Ethics
___	5	SPAN-161 Spanish I
___	5	SPAN-162 Spanish II
___	5	SPAN-165 Accel. Begin. Spanish
___	5	SPAN-261 Spanish III
___	4	SPAN-361 Spanish IV
___	3	Hon. Intro. to the Hum. I; one course: ENGL-297, HIST-297, MLANG-297, PHILO-297.)
___	3	So. Asian Civ; one course: ANTH-505 ECON-505, GEOG-505, HIST-505, POLSC-505, SOCIO-505.)

___ **TOTAL UGE HUMANITIES CREDIT HOURS**
(Min. of 3 UGE humanities credit hours)

UGE SOC. SCI. (the studies of individual relationships in and to society)

Credit hrs	Number	Title
___	3	ANTH-204 A Gen. Educ. intro. to Cultural Anthropology
___	3	ANTH-503 Archaeological Fact or Fiction
___	3	ANTH-524 Immigrant America
___	3	CHM-315 Env. Sci.: A Chemistry Perspective
___	3	CHM-650 History of Chemistry
___	3	ECON-110 Prin. Macroeconomics
___	3	ECON-120 Prin. Microeconomics
___	3	ECON-507 The Japanese Economy
___	3	ECON-523 Human Resource Economics
___	3	ECON-524 Sports Economics
___	3	ECON-527 Environmental Economics
___	3	ECON-536 Comparative Economics
___	3	ECON-555 Urban and Regional Economics
___	3	ECON-682 Development Economics
___	3	GEOG-100 World Regional Geog.
___	3	GEOG-200 Human Geog.
___	3	GEOG-300 Geography of Tourism
___	3	GEOG-310 Geography of Kansas
___	3	GEOG-340 Geography of Natural Resources
___	3	GEOG-500 Geography of the U.S.
___	3	GEOG-510 Geography of the American West
___	3	GEOG-600 Mountain Geography
___	3	GEOG-622 Geography of South America
___	3	GEOG-650 Geography of Former Soviet Lands
___	3	HIST-534 Social History of Medicine
___	3	MC-110 Mass Communications in Society
___	3	POLSC-110 Intro to Political Science
___	3	POLSC-301 Intro. to Political Thought
___	3	POLSC-325 U.S. Politics
___	3	POLSC-333 World Politics

UGE SOCIAL SCIENCES (Continued)

___	3	POLSC-344 Intro. to Comparative Politics
___	3	PSYCH-110 Gen. Psych.
___	3	PSYCH-115 Gen. Psych. Honors
___	2	PSYCH-202 Drugs and Behavior
___	3	PSYCH-280 Psych. of Childhood and Adolescence
___	3	PSYCH-370 Brain and Behavior
___	3	SOCIO-211 Intro. to Sociology
___	3	SOCIO-214 Intro to Sociology, Honors
___	3	SOCIO-363 <u>Global</u> Problems (<u>NOT Social</u> Problems)
___	3	SOCIO-470 Criminal Justice System and Family Violence
___	3	SOCIO-510 Social Welfare as a Social Institution
___	3	SOCIO-533 Rural Sociology
___	3	SOCIO-562 Social Construction of a Serial Murderer
___	3	SOCIO-665 Women and Crime
___	3	SOCIO-670 Diversity & Soc. Interact in Workplace-May intersession only
___	3	WOMST-105 Intro. to Women's Studies

___ **Total UGE Social Science Credit Hours**
(Min. of 3 UGE social sciences credit hours)

SUMMARY

___ **MIN. 6 HOURS OF 300 OR HIGHER LEVEL CREDIT HOURS FROM ANY AND ALL GROUPS**

___ **TOTAL UGE HUMANITIES AND SOCIAL SCIENCE CREDIT HOURS**
(Min. of 6 hours; 3 hours Humanities and 3 hours Social Sciences)

___ **TOTAL UGE NATURAL SCIENCE CREDIT HOURS**
(Min. of 3 hours)

___ **TOTAL UGE TECHNICAL ELECTIVE CREDIT HOURS**
(No minimum or limit)

___ **TOTAL UNIVERSITY GENERAL EDUCATION CREDIT HOURS**
(Min. of 18 hours, except transfer and study abroad students minimum varies; see first page)

___ **TOTAL UGE CREDIT HOURS OF ENGINEERING COURSES**
(Max. of 6 credit hours toward UGE requirements allowed from student's college; max. 3 credit hours from student's department)