## College of Arts and Sciences

The College of Arts and Sciences consists of the Divisions of
Humanities, Social Science, and Science. Those subjects referred oo as the "liberal arts" are to be found in humanities and social sciwish to obtain a broad undergraduate prepreparation for leadership address themselves to the value conflicts of contemporary society,
and for intellectual development that adds to the richness of life.

## GENERAL EDUCATION

The college recognizes a conceptual distinction between distri-
bution requirements and general education requirements. Distribution requirements compel students to take a specific number of credits in each of the areas sudenumanities, a sciencec, and social
cience. General education requirements usually involve more direction. The assumption is that there are certain identifiable program. Therefore, university distribution requirements speciying that students complete 12 credits in each of the three areas have been incorporated into the general education program
developed by the college. The program is based upon the foldeveloped by the college. The program is based upon the for
owing goals and objectives: A liberally
1.1 Students will give a present

2 Students will write papers that require locating, analyzing, and formally referencing information sources to sup
port conclusions.
Aliberall veducated
A. Aliberally educated person uses quantitative methods effectively.
2.1 Students will use mathematical methods to solve proll ${ }_{2}$ Students will use mathematical methods to solve problems. 2lusions from data presented in tabularar or graphical form.
A liberally educated person appreciates diversity and pos
sesses the intellectual foundations of a variety of disciplines sesses the intelectual foundations of a variety of discipines, struction, and the understanding necessary to apply their
backgrounds to the theories and models of those disciplines.
3.1 Students will have the intellectual background to under-
stand how science explains the workings of the natural
and physical world using theories and models that can be
and physical world using theories and models that can be
tested using experiments and observations. ries and qualitative and quantitative methods to questions
of human behavior, mental processes, communication, and social and cultural structures and institutions.
students will ysis and interpretation to evaluate and and use analysis and interpretation to evaluate and cri-
tique historical and aesthetic context, evidence, artifacts, and arguments.
4. A liberally educated person thinks, reads, and communicates crit4.1 Students will examine, evaluate, and refine their habits of thinking, and accept ambiguity while questioning
4.2 Students will make cla
4.2 Sudents will make claims and draw conclusions sup-
ported by the marshalling and evaluation of evidence.
4.3 As reflective earners and thinkers across and within dis ciplines, students will synthesize divergent contents,
4.4 Students will develop the the

Students will develop the theoretical tools and imagina-
tive capacity to make ethical judgments and effectively
empathize with others.

REQUIREMENTS
The following general education requirements have been established for the College of Arts and Sciences.
SKills
Competence in writing, mathematics, critical thinking, and com-
puter skills are identified as goals of general education.
puter skills are identified a s gooals of general education.
Writing Skills-The writing general eduation requiren
Writing Siills-The writing general education requirements are: per year) that are designated as writing enriched.
Annual Writing Sample. Each fall semester, all students, except freshmen, will be given the writing sample adminis
tered by the Writing Center. Students who score at level 3 or below during the sophomore year or at level 4 or below dur-
ing the junior year will be referred to the Writing Center for ing the junior year will be referred to the Writing Center for additional help.
Level 5 Compet
petency on the writing sample prior to graduation. Studen petency on the writing sample prior to graduation. Students
may satisfy the level 5 requirement any time in the junior or
senior year Students who do not senior year. Students who do not attain level 5 during the fall
of their junior year (or first semester of third year) will be encouraged to begin to satisfy the level 5 requirement early, Mathematics Skills-The mathematics general education requirements are:

- MATH
- MATH 101 or at least Level 3 on the Mathematics Assessment. Completion of one MATH course beyond MATH
pletion of PHIL 120 . The MATH course counts as one of the required science general education courses: PHIL 120 counts as one of the required humanities general education courses.
uantitative Reasoning-Completion of one course beyond the mathematics/PHIL 120 requirement designated "Quantitative Reasoning" (QR). QR courses expect students to (a) use simple mathematical methods from arithmetic, algebra, geometry, or
statistics to solve problems; (b) determine if numerical results re reasonable; (c) recognize the limitations of the methods the have been taught to use; and (d) interpret, make inferences, and raw conclusions from data presented in tabular or graphical ve reasoning is sustained throughout the required course QR courses are structured so that the emphasis is on students doin the reasoning. The students' work in these courses takes the form
of problem sets, projects, computer programs, field research, lab of problem sets, projects, computer programs, field research, lab
reports, and similar assignments, and involves a process of reports, and similar assignments, and involves a process
growth through opportunities to correct/revise assignments. Computer Skills-Computer skills appropriate to the major. Critical Thinking-Satisfied by courses in the major and th
Values Seminar

UNANITIES ( 12 CREDITS
Courses in the humanities foster a sense of historical conscious
ness, aesthetic appreciation, and philosophical judgment. The study of the humanities demands rigorous interpretation and openness to multiple perspectives. Through this program, stu-
dents develop depth and breadth in their understanding of the dents develop de
human condition

- History, art history, or music history course ( 3 credits)*
- Aesthetics/philosophy-Any course in literature (ENGL 130 or above, or $300-$-level modern language), art history,
dance, creative writing, fine arts, music (excluding perdance, creative writing, ine arts, music (exc
formance), philosophy, or studio art (3 credits)*
Two additional courses in humanities ( 6 credits)

At least one of these four courses must be at an advanced level
300 level). This requirement must also be met by ing two semesters of modern language at the elementary or inte mediate level in the same language
The same course cannot be used to satisfy both the aestheticssphi
losophy and the history requirements. SCIENCE ( 12 CREDITS) Awareness of the natural world requires cultivation of the knowl-
edge of and insight into phenomena that affect all life forms. Observation and reflection lead scientists to propose explana-
tions for natural and physical phenomena that have predictive power and are both testable and falsifiable through carefully controlled experimentation. The constant forming, testing, and evising of hypotheses define the process of science and lead to
he formation of scientific knowledge. Integral to this process cientists respect the beauty inherent in the order and diversity of he natural and the physical realms.

Three to four science courses, including one semester of a
science course with an associated laboratory (12 credits) science course with an associated laboratory (12 credits) sciences to learn how scientists acquire, synthesize, evaluate, and question knowledge. In these courses, students develop an understanding of how scientific knowledge is constructed and
learn quantitative and qualitative skills necessary to develop models, propose and test hypotheses, and evaluate experimental results. Students learn how to access and clearly communicate scientific information, critically analyze conclusions, and judge eudents acquire critical think skills and an understanding of ethical conduct in science, thereby developing their ability to make rational, informed decisions about the use of science and lechnology in society
COCLAL SCIENCE (12 CREDITS)

behaviors and interactions. Research questions are grounded in
heoretical assumptions. The courses encompass a range of dis-
political science, psychology, and sociology

- Sociel/cultural perspective-Two
ence courses in different fields ( 6 credits)
Advanced study-Two additional courses in social science, onove) (6 credits)
values seminar (3 CREDITS)
n upper-level interdisciplinary course that involves a discus ing. Prerequisites: junior or senior status and completion of a


## ACADEMIC REOUIREMENTS

Students are expected to make regular progress toward comple-
ion of course and cumulative grade-point average requirements for their major. In accordance with university requirements, a
student will be dismissed who fails to meet the minimum standards for academic progress. A student who falls below a 2.0
cumulative average will be limited to 12 semester hours in the ollowing semester. Subsequent failure to demonstrate progress
oward the minimum standard will result in either a warning that he student is subject to dismissal at the next semester-end eview or dismissal from the college.

## MAJORS



Besides courses within the major programs of Arts and Sciences. students can also pursue studies in art, music, and philosophy. In
addition, the teacher education program in the School of addition, the teacher education program in the School of
Education, Innovation, and Continuing Studies makes it possible for students majoring in the College of Arts and Sciences to
obtain certification as an early childhood, elementary, special education, and secondary school teacher in a number of areas. interested in the teaching profession should consult the "Division of Education" section
Students invited to participate in the Honors Program in
General Education can take honors sections of Arts and Sciences courses. These can be used to fulfill requirements in majors and
general education. These courses include Freshman Honors English and the Freshman Honors Seminar in the social sciences
and humanities. History majors may graduate with honors upon fulfillment of the Honors in History requirement.
In the course of a student's college career, total semester hours will be divided among distribution requirements, a major field of
concentration, subjects allied to and supporting the major, and free concentration, subjects allied to and supporting the major, and free
electives. Sudents cas structure their free electives to pursue one of
the minors listed below. A number of multidisciplinary certificate the minors isted below. A number of multidisciplinary co

## PRE-MEDICAL CONCENTRATION

The Health Professions Committee has approved the following
concentration of courses to assist students preparing for the study of medicine, optometry, dentistry, podiatric medicine and steterinary medicine. Students are encouraged to consult with the health professions advisor to plan their programs. The courses
listed as foundation courses satisfy the entrance requirements of most health professions schools. To be competitive, a stude should have a cumulative average of 3.5 or better overall and in the sciences at the end of the junior year. Most medical and
health professions schools minimally require two courses in

