UAB Catalog / 1987-89 Issue

This catalog contains information on UAB's academic programs offered in the following schools:

  Business
  Education
  Engineering
  Humanities
  Natural Sciences and Mathematics
  Social and Behavioral Sciences
  Medicine (pre-professional only)*
  Dentistry (pre-professional only)*
  Optometry (pre-professional only)*
  Nursing (pre-professional only)*
  Community and Allied Health (pre-professional only)*

Although UAB does not have a law school, pre-law studies are available and are included. Only brief information is provided on the graduate programs offered through the Graduate School*.

Accreditation
UAB is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. Many academic programs have additional accreditation from organizations appropriate to the particular academic discipline involved.

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*All of these units publish separate catalogs which contain detailed information about their respective programs.
The Core Curriculum

Philosophy

Education must develop minds by defining and giving knowledge, stimulating imagination and empowering thought. The purpose of the Core Curriculum at UAB is to provide a nucleus around which students can build an educational experience that will improve the quality of their lives. Because quality should be measured in terms of the individual’s ability to make reasoned choices, education at UAB must enlarge the capacity of each student to determine alternatives and to select from among them. These choices should include, at a minimum, the option to do work that is satisfying, useful and remunerative; the option to exercise an informed, active and significant role in the social and political processes of the region, the nation and the world; and the option to understand, appreciate and enjoy the heritage and culture of one’s own and other societies. By increasing the choices available to our graduates, we can enhance the quality of individual lives and promote shared democratic values.

As an extension of this philosophy, UAB students must satisfy nine educational goals. These goals govern the content of the general education component of each curriculum at UAB and in the process enable the student to make more informed judgments about general electives and major programs of study within the student’s total education. In addition, these goals provide the faculty with a coherent interpretation of the common purpose of the undergraduate experience at UAB and better enable the faculty to advise and counsel students in making appropriate educational choices.

The Goals and Their Rationales

Goal I. Graduates will be able to read, write and speak effectively in the English language. Students must develop communicative skills sufficient to ensure access to information and ideas in the institution's curriculum, as well as in the society at large.

Goal II. Graduates will have basic mathematical skills. Students must develop mathematical skills sufficient to ensure access to information and ideas in the institution's curriculum, as well as in society at large. Basic mathematical skills should heighten student awareness of the role that abstraction, inference and precision play in reasoning.

Goal III. Graduates will have basic competency in utilizing computer technologies. We live in an information-based society characterized by the growing utilization of computer technologies. Students must develop a basic understanding of these technologies and how they can be used to gain access to knowledge and information. Indeed, the means by which computers access, process and present information now constitute essential knowledge for any educated person.
Goal IV. Graduates will have a basic knowledge of a foreign culture.
Because we live in a global society, students should develop basic knowledge of at least one culture other than that found in the United States. Knowledge of European and non-Western societies will help students function effectively in an interdependent world economy and broaden their experience with common problems and symbols of communication and culture.

Goal V. Graduates will have a basic understanding of Western civilization.
Students should be introduced to the ideas and events that have shaped Western civilization because these ideas and events have formed the intellectual foundations and social institutions which influence our daily life and provide cohesion in our pluralistic society.

Goal VI. Graduates will have an educated perspective on the creative expressions of their culture.
Students should develop an appreciation for the creative expressions of their culture through literature and the fine arts. A study of literature introduces students to moral and aesthetic values, social relationships, and critical thinking and interpretation. By writing about literature, students reinforce organizational and communicative skills. The fine arts expose students to a range of intellectual, cultural, and aesthetic experiences.

Goal VII. Graduates will understand the scientific process and the influence of science and technology on society.
Scientific principles are the foundation of modern technology. To participate meaningfully in society, students must develop an appreciation of the rationales, protocols, benefits, and limitations of both science and technology.

Goal VIII. Graduates will understand how social, political and economic systems affect individual lives and how, in turn, individuals can participate in the processes of business and government life, as well as other forms of group decision-making.
The changing concept of the state and the varying forms of social and economic systems are of central importance in the contemporary world. Students should acquire a knowledge of society and the broad institutional range of which it is composed. To understand how human beings function in groups, students also must understand the significance of the individual in terms of perceptual abilities, cognitive awareness and motivations.

Goal IX. Graduates will be prepared to reason critically about ethical dilemmas.
All students will be confronted by ethical dilemmas throughout their lives, some of the most important of which will occur in their professions. Furthermore, students will continually confront new dilemmas as knowledge and technology change. In order to be able to deal responsibly with these situations, students should be able to reason critically about the ethical dimensions of society.

The Curriculum and Programmatic Majors

Core Curriculum for the Schools of Humanities, Natural Sciences and Mathematics, and Social and Behavioral Sciences

For students whose majors are in the School of Humanities, the School of Natural Sciences and Mathematics, and the School of Social and Behavioral Sciences, the following curriculum requirements will satisfy the Core goals. A specific course cannot be used toward the satisfaction of more than one Core Curriculum goal.

Goal I. The English Language
6 sem. hrs.

1. This requirement may be satisfied by passing EH 101 and EH 102 with a grade of C or better. It is recommended that these two courses be taken in the freshman year.

2. It is the policy of UAB that written work in all courses must meet minimum standards of English literacy. On a recommendation of any faculty member and a special committee of the Department of English or of the Dean of the School of Humanities, any student, except one enrolled in freshman English, who is found to be noticeably deficient in the writing of English may be required to take remedial work in English. Fulfillment of this requirement shall be a condition of graduation.

3. Because the ability to speak and to listen effectively in the classroom is essential for students to derive maximum benefit from the curriculum, students are strongly advised (though not required) to take either CA 101, Public Speaking, or CA 112, Interpersonal Communication.

Goal II. Basic Mathematical Skills
0-3 sem. hrs.
This requirement may be satisfied by completing either of the following two alternatives:

1. Completion of one of the following courses with a grade of C or better:
   MA 102, Elementary Algebra
   MA 105, Precalculus I
   MA 106, Precalculus II
   MA 108, Basic Precalculus
MA 109, Survey of Calculus
MA 141, Calculus I
MA 142, Calculus II
MA 243, Calculus III
MA 244, Calculus IV

2. Successful performance on a mathematics competency examination.

Goal III. Computer Technologies 0-2 sem. hrs.
This requirement may be satisfied by successful completion of either of the following three alternatives:

1. A specific departmental requirement established by that department to ensure that its majors attain a level of computer competency encompassing the accessing, processing and presentation of information by computer.

2. A minimum of two semester hours of coursework dealing with a computer language or application of computers. CS 100 is recommended.

3. Successful completion of a computer technologies competency examination.

Goal IV. Foreign Culture 0-9 sem. hrs.
This requirement may be satisfied by successful completion of one of the following three alternatives:

1. The third course in the college-level, elementary sequence of a foreign language.*

2. A proficiency examination evaluating competency through the third course in the college-level, elementary sequence of a foreign language.**

3. Nine semester hours of coursework focusing either on the study of comparative culture or the study of the culture in a particular foreign region. All nine semester hours must be selected from one of the following groupings:
   a. Comparative Culture
      3 sem. hrs. in any foreign language
      ANTH 101, Introductory Cultural Anthropology
      ANTH 123, Comparative Cultures Through Films
      ANTH 244, Peoples of Africa
      ANTH 246, Peoples of Asia
      ANTH 247, Peoples of Oceania
      ARH 105, African, American and Oceanic Art
      ARH 106, Far Eastern Art
      ARH 107, Ancient and Early Christian Art
      CJ 115, Comparative Criminal Justice Systems
      GEO 121, World Regional Geography
      PHL 239, Classical Thought of India, China and the West

   b. European Culture
      3 sem. hrs. in any European language
      ARH 108, Byzantine, Medieval and Early Renaissance Art
      ARH 109, High Renaissance Through Modern Art
      HY 205, France: From Reformation to Revolution (1562-1789)
      HY 206, Modern France: Politics and Culture since the French Revolution
      HY 210, The History of Germany to 1914
      HY 211, The History of Germany since 1914
      HY 254, The Celtic Fringe: Ireland, Scotland, Wales
      HY 255, Britain and the Third World
      MU 120, Music Appreciation
      PHL 241, History of Philosophy: Descartes to Hume
      PHL 242, History of Philosophy: Kant and the 19th Century
      PSC 205, Western European Political Systems

   c. Russian and Eastern European Culture
      HY 220, The History of Russia to the Twentieth Century
      HY 221, The History of Russia since 1900
      PSC 206, Eastern European Political Systems
      PSC 207, Introduction to Soviet Politics
      SOC 225, Sociology of the Soviet Union

   d. Latin American Culture
      3 sem. hrs. in the Portuguese or Spanish language
      ANTH 248, Peoples of Latin America
      HY 237, Colonial Latin America
      HY 238, Modern Latin America
      PSC 208, Latin American Political Systems

NOTE: Courses on the cultures of Asia, Africa and the Mideast are under development but are not currently available as area studies associated with Goal IV of the Core Curriculum.

Goal V. Western Civilization 6 sem. hrs.
Six semester hours are required in courses that impart a basic understanding of Western civilization. This requirement may be satisfied by successful completion of two courses from the following list:

   HY 110, Western Civilization to 1500
   HY 111, Western Civilization, 1500-1815
   HY 112, Western Civilization since 1815
   HY 120, The United States to 1877
   HY 121, The United States since 1877
Goal VI. Literature and the Fine Arts 9 sem. hrs.

1. Six semester hours are required in courses that focus on the various forms of literature in English, both fiction and non-fiction, including but not limited to prose, poetry, drama, essays and biography. This requirement may be satisfied by taking any literature courses offered by the Department of English.

2. Three semester hours are required in courses that expose students to a range of intellectual, cultural and aesthetic experiences couched in the "languages" of art, dance, music or theatre. Courses that satisfy this requirement encourage students to experience the arts through critical appreciation and historical understanding as well as through performance and practice. This requirement may be satisfied by taking courses in the Departments of Art, Music, and Theatre and Dance, as follows:

   any course in the Department of Art except ARH 281, ARH 485, ARH 487, ARH 490, ARH 491 or ARS 490

   any course in the Department of Music except MU 115, MU 140, MU 145 or MU 200

   any course in the Department of Theatre and Dance except THR 262, THR 462, DAN 262 or DAN 462.

It is recommended that students without previous experience in the arts satisfy this requirement by taking a course numbered below 300.

Goal VII. Science and Technology 9 sem. hrs.

Nine semester hours are required in courses that focus on the rationales, protocols, benefits and limitations of science and technology. This requirement may be satisfied by taking courses in the Departments of Biology, Chemistry, Physics and Geology, except CH 100, CH 110, PH 100, PHS 007, PHS 008 and PHS 109, EGR 105, Technology and Society, may also be taken for partial fulfillment of this requirement. At least one of the courses must have an associated laboratory.

Goal VIII. Social, Political and Economic Systems 6 sem. hrs.

Six semester hours are required in courses that focus on the nature of society and the functioning of human beings within society. Courses should introduce students to the methods and theories which govern social and scientific approaches to understanding the individual, groups and society. This requirement may be satisfied by taking courses in the Departments of Anthropology, Criminal Justice, Economics, Political Science and Public Affairs, Psychology, Sociology and Social Work. However, no more than one course may be taken in Criminal Justice and Social Work. MC 101, Survey of Mass Communication, may be taken for three of the six hours.

Goal IX. Ethical Reasoning 0-3 sem. hrs.

This requirement may be satisfied by successful completion of either of the following alternatives:

1. A specific departmental requirement established by that department to ensure that its majors achieve an understanding of ethical reasoning appropriate to the particular discipline.

2. Satisfactory completion of one of the following courses:
   PHL 100, Introduction to Philosophy
   PHL 115, Contemporary Moral Issues
   PHL 118, Moral and Social Issues in Business
   PHL 270, The Scientific Enterprise

Core Curriculum for the School of Business

For students whose majors are in the School of Business, the following curriculum will satisfy the Core goals. A specific course cannot be used toward the satisfaction of more than one Core Curriculum goal.

Goal I. The English Language 6 sem. hrs.

1. This requirement may be satisfied by passing EH 101 and EH 102 with a grade of C or better. It is recommended that these two courses be taken in the freshman year.

2. It is the policy of UAB that written work in all courses must meet minimum standards of English literacy. On a recommendation of any faculty member and a special committee of the Department of English or of the Dean of the School of Humanities, any student, except one enrolled in freshman English, who is found to be noticeably deficient in the writing of English may be required to take remedial work in English. Fulfillment of this requirement shall be a condition of graduation.

3. Because the ability to speak and to listen effectively in the classroom is essential for students to derive maximum benefit from the curriculum, students are strongly advised (though not required) to take either CA 101, Public Speaking, or CA 111, Business and Professional Communication, or CA 112, Interpersonal Communication, as an elective during the freshman or sophomore year.
must complete a speech course (preferably CA 101 or 111) as one of their freshman or sophomore electives.

**Goal II. Basic Mathematical Skills**

0-6 sem. hrs.

This requirement may be satisfied by completing either of the following two alternatives:


2. Satisfactory performance on a mathematics competency exam measuring knowledge equivalent to that expected of students successfully completing MA 109.

**Goal III. Computer Technologies**

3 sem. hrs.

Students may satisfy this requirement through either of the following alternatives:


2. Acceptance in transfer of a course in computer and information systems, management information systems or business information systems. The course must be judged by the appropriate business faculty to be equivalent to MG 103, Introduction to Business Information Systems.

**Goal IV. Foreign Culture**

0-3 sem. hrs.

Students with majors in the School of Business must acquire a broad knowledge of the worldwide dimension of business and economic theories, and their problems and practices, through required courses in all functional fields of business. In addition to the knowledge gained through these courses, Business students must successfully complete one of the following three alternatives:

1. Three semester hours from one of the following list of courses in comparative culture.

   ANTH 101   PHL 239
   ANTH 120   PSC 115
   ANTH 123   PSC 118
   ANTH 244   PSC 265
   ANTH 246   PY 213
   ANTH 247   PY 219
   ARH 105   PY 226
   ARH 106   SW 205
   ARH 107   SOC 200
   CJ 115   SOC 230
   EC 407   SOC 278
   GEO 121   MG 415

2. Three semester hours in any foreign language*

3. A proficiency examination at the introductory level in a foreign language*

**Goal V. Western Civilization**

6 sem. hrs.

Six semester hours are required in courses that impart a basic understanding of Western civilization. This requirement may be satisfied by successful completion of two courses from the following list:

- HY 110, Western Civilization to 1500
- HY 111, Western Civilization, 1500-1815
- HY 112, Western Civilization since 1815
- HY 120, The United States to 1877
- HY 121, The United States since 1877

**Goal VI. Literature and the Fine Arts**

9 sem. hrs.

1. Six semester hours are required in courses that focus on the various forms of literature in English, both fiction and non-fiction, including but not limited to prose, poetry, drama, essays and biography. This requirement may be satisfied by taking any literature courses offered by the Department of English.

2. Three semester hours are required in courses that expose students to a range of intellectual, cultural and aesthetic experiences couched in the "languages" of art, dance, music or theatre. Courses that satisfy this requirement encourage students to experience the arts through critical appreciation and historical understanding as well as through performance and practice. This requirement may be satisfied by taking courses in the Departments of Art, Music, and Theatre and Dance, as follows:

   - any course in the Department of Art except ARH 281, ARH 485, ARH 487, ARH 490, ARH 491 or ARS 490
   - any course in the Department of Music except MU 115, MU 140, MU 145 or MU 200
   - any course in the Department of Theatre and Dance except THR 262, THR 462, DAN 262 or DAN 462.

It is recommended that students without previous experience in the arts satisfy this requirement by taking a course numbered below 300.

**Goal VII. Science and Technology**

6 sem. hrs.

Six to eight semester hours are required in courses that focus on the rationales, protocols, benefits and limitations of science and technology. This requirement may be satisfied by successfully completing courses in the Departments of Biology, Chemistry, Physics and Geology, except CH 100, CH 110, PH 100, PHS 007, PHS 008 and PHS 109. EGR 105, Technology and Society, may also be taken for partial fulfillment of this requirement. At least one of the courses must have an associated laboratory which may cause the total semester hours for this requirement to exceed six semester hours.

**Goal VIII. Social, Political and Economic Systems**

6 sem. hrs.

Successful completion of EC 201, Principles of Macroeconomics, and EC 202, Principles of Microeconomics, are required of all majors in the School of Business.
Goal IX. Ethical Reasoning 0-3 sem. hrs.
All majors in the School of Business must successfully complete MG 358, Business, Ethics and Society.

In consultation with their academic advisor, currently enrolled Business students, or those planning to transfer to the UAB School of Business, may also choose to use a freshman or sophomore elective to complete PHL 100, Introduction to Philosophy, PHL 115, Contemporary Moral Issues, or PHL 118, Moral and Social Issues in Business, or PHL 270, The Scientific Enterprise, to meet this requirement. Meeting the requirement through this alternative does not, however, remove the requirement that MG 358 be completed in the Business curriculum.

Core Curriculum for the School of Education

For students whose majors are in the School of Education, the following curriculum will satisfy the Core goals. A specific course cannot be used toward the satisfaction of more than one Core Curriculum goal.

Goal I. The English Language 6 sem. hrs.

1. This requirement may be satisfied by passing EH 101 and EH 102 with a grade of C or better. It is recommended that these two courses be taken in the freshman year.

2. It is the policy of UAB that written work in all courses must meet minimum standards of English literacy. On a recommendation of any faculty member and a special committee of the Department of English or of the Dean of the School of Humanities, any student, except one enrolled in freshman English, who is found to be noticeably deficient in the writing of English may be required to take remedial work in English. Fulfillment of this requirement shall be a condition of graduation.

3. In accordance with state certification requirements, certain majors in the School of Education require successful completion of CA 101, or 102, or 105, or 231.

Goal II. Basic Mathematical Skills 0-3 sem. hrs.
This requirement may be satisfied by completing either of the following two alternatives:

1. Completion of one of the following courses with a grade of C or better:
   - MA 102, Elementary Algebra
   - MA 105, Precalculus I
   - MA 106, Precalculus II
   - MA 109, Survey of Calculus
   - MA 141, Calculus I
   - MA 142, Calculus II
   - MA 243, Calculus III
   - MA 244, Calculus IV

2. Successful performance on a mathematics competency examination. (competency cannot be used for other major requirements)

Goal III. Computer Technologies 0-2 sem. hrs.

This requirement may be satisfied by successful completion of either of the following two alternatives:

1. A specific departmental requirement established by that department to ensure that its majors attain a level of computer competency encompassing the accessing, processing and presentation of information by computer. For selected programs this requirement is EDT 200, Orientation to Microcomputers.

2. A minimum of two semester hours of coursework dealing with a computer language or application of computers. CS 100 is recommended.

Goal IV. Foreign Culture 0-9 sem. hrs.
This requirement may be satisfied by successful completion of one of the following three alternatives:

1. Successful performance in the third course of a college-level, elementary sequence of a foreign language.*

2. Successful performance on an introductory level foreign language proficiency examination.*

3. Depending upon specific State certification requirements involved, successful completion of one, two or three of the following courses in comparative and area studies of foreign culture.
   - ANTH 101
   - ANTH 120
   - ANTH 123
   - ANTH 246
   - ARH 105
   - ARH 109
   - HY 220
   - HY 238
   - CJ 115
   - GEO 121
   - PHL 239
   - PSC 115
   - PSC 265
   - PY 213
   - SW 205
   - SOC 200
   - SOC 278

Goal V. Western Civilization 6 sem. hrs.
Six semester hours are required in courses that impart a basic understanding of Western civilization. This requirement may be satisfied by successful completion of two courses from the following list:
   - HY 110, Western Civilization to 1500
   - HY 111, Western Civilization, 1500-1815
   - HY 112, Western Civilization since 1815
   - HY 120, The United States to 1877
   - HY 121, The United States since 1877

NOTE: State teacher certification requirements stipulate six additional semester hours in the "social sciences" involving economics plus sociology or psychology or anthropology or philosophy. See Goal VIII below.

*Native speakers of foreign languages should consult their academic advisor regarding satisfaction of foreign language options.
Core Curriculum for the School of Engineering

For students whose majors are in the School of Engineering, the following curriculum will satisfy the Core goals. A specific course cannot be used toward the satisfaction of more than one Core Curriculum goal.

Goal I. The English Language  
6 sem. hrs.

1. This requirement may be satisfied by passing EH 101 and EH 102 with a grade of C or better. It is recommended that these two courses be taken in the freshman year.

2. It is the policy of UAB that written work in all courses must meet minimum standards of English literacy. On a recommendation of any faculty member and a special committee of the Department of English or of the Dean of the School of Humanities, any student, except one enrolled in freshman English, who is found to be noticeably deficient in the writing of English may be required to take remedial work in English. Fulfillment of this requirement shall be a condition of graduation.

Goal II. Basic Mathematical Skills  
More than 3 sem. hrs.

All majors in the School of Engineering must successfully complete MA 141, MA 142, MA 243, MA 244 and MA 252, plus appropriate applied, advanced mathematics courses.

Goal III. Computer Technologies  
More than 2 sem. hrs.

This requirement is satisfied by the successful completion of EE 130 and the successful completion of an engineering program.

NOTE: In accordance with requirements of the Accreditation Board for Engineering and Technology (ABET), each Engineering programmatic major contains "the use of computers for technical calculations, problem-solving, data acquisition and processing, process control, computer-assisted design, and other functions and applications appropriate to the engineering discipline."

Goal IV. Foreign Culture  
3 sem. hrs.

This requirement may be satisfied through successful completion of one of the following alternatives:

1. Successful completion of one of the following courses in comparative and area studies of foreign culture:

   ANTH 101  HY  254
   ANTH 123  HY  255
   ANTH 244  MU  120
   ANTH 246  PHL  239
   ANTH 247  PHL  241
   ANTH 248  PHL  242
   ARH 105  PSC  115
   ARH 106  PSC  118
   ARH 107  PSC  205
   ARH 108  PSC  206
   ARH 109  PSC  207
   CJ  115  PSC  208
   GEO  121  PSC  265

Goal V. Social, Political and Economic Systems  
6 sem. hrs.

1. Three semester hours in economics, taken from either EC 110 or EC 201. (Non-economic majors may substitute another course for either one of these.)

2. Three semester hours in sociology or political science or psychology or philosophy or anthropology.

NOTE: State teacher certification requirements stipulate six additional semester hours in the "social sciences" involving American history and Western Civilization. See Goal V above.

Goal VI. Literature and the Fine Arts  
9 sem. hrs.

1. Three semester hours in English literature are required.

2. Three semester hours in American literature are required.

3. Three semester hours in fine arts are required. This course may be selected from courses in the Departments of Theatre and Dance, Art or Music. However, the following courses may not be used: ARH 231, 485, 487, 490, 491; ARS 490; MU 115, 140, 145, 200; THR 262 and 462.

Goal VII. Science and Technology  
9 sem. hrs.

Nine semester hours are required in courses that focus on the rationales, protocols, benefits and limitations of science and technology. This requirement may be satisfied by taking courses in the Departments of Biology, Chemistry, Physics and Geology, except CH 100, CH 110, PH 103, PHS 007, PHS 008 and PHS 109. EGR 105, Technology and Society, may also be taken for partial fulfillment of this requirement. At least one of the courses must have an associated laboratory.

Goal VIII. Ethical Reasoning  
0-3 sem. hrs.

All majors in the School of Education must satisfactorily complete a departmental requirement in which ethical dilemmas are considered within the context of the appropriate teacher certification area.
2. Satisfactory completion of three semester hours in any foreign language.*

3. Obtaining three semester hours of credit by examination in a foreign language.*

Goal V. Western Civilization 3 sem. hrs.
This requirement may be satisfied by successful completion of one of the following courses:
HY 110, Western Civilization to 1500
HY 111, Western Civilization, 1500-1815
HY 112, Western Civilization since 1815
HY 120, The United States to 1877
HY 121, The United States since 1877

Goal VI. Literature and the Fine Arts 6 sem. hrs.
This requirement may be satisfied by successful completion of one of the following alternatives:
1. Any two courses that focus on the various forms of literature in English, including but not necessarily limited to prose, poetry, drama, essays and biography. At least one of these courses must be at the 200 level or above.

2. Any two of the following art history courses: ARH 101, 105, 106, 107, 108, 109, 219, 221, 250, 255, 276, 282, 307, 315, 331, 360, 416, 419, 424, 430, 440, 441, 464, 467, 474, 475, 476, 480 and 482. At least one of these courses must be at the 200 level or above.

3. Two courses in music, namely: MU 120 and MU 361 or MU 362 or MU 363 or MU 364 or MU 366.

Goal VII. Science and Technology More than 9 sem. hrs.
All majors in the School of Engineering must complete a minimum of 88 semester hours of natural sciences and engineering.

Goal VIII. Social, Political and Economic Systems 6 sem. hrs.
This requirement may be satisfied by successful completion of a sequence of two courses in one of the following fields: anthropology, economics, political science, psychology or sociology. At least one course in the sequence must be at the 200 level or above.

**Goal IX. Ethical Reasoning** More than 3 sem. hrs.
1. All majors in the School of Engineering have the requirement of EGR 100, Introduction to Engineering, which includes attention to ethical problems in the engineering profession.

2. All majors in the School of Engineering have an upper division emphasis on the ethical practice of engineering. Design courses in all engineering disciplines are taught within an ethical context. Senior design projects/theses are a culmination of this design orientation. In addition, each major has its own particular coursework and research activity emphasizing ethical dilemmas unique to that particular field of engineering.

*"Foreign language" cannot be interpreted to mean English or a student's native language.*
Summary of the Curriculum

The Core Curriculum is the common general education enterprise of the various curricula of UAB; beyond the Core Curriculum, of course, students also are involved in studies leading to majors, minors, and other types of specialties. As depicted in the summary grid provided below, slight variances characterize the means by which students associated with different curricula satisfy the goals of the Core Curriculum.

Students with majors in the School of Humanities, the School of Natural Sciences and Mathematics, and the School of Social and Behavioral Sciences—the arts and sciences schools—satisfy the goals of the same general education curriculum. Although students with majors in the School of Education must be attuned to state teacher certification requirements, and their programs reflect these requirements, these students satisfy the goals of the Core with a general education curriculum essentially the same as those of the arts and sciences. Students with majors in the School of Business and in the School of Engineering also must be attuned to professional accreditation requirements in their fields of specialty, and their programs reflect these standards. However, they, too, satisfy the goals of the Core with a strong experience in the general education curriculum of the University.

Students who are undecided about their majors, or who may wish to sample different fields of knowledge beyond the diversity incorporated in formal majors, are strongly advised to pursue the Core Curriculum in a way which best serves their inclinations towards the major. Students associated with the interdisciplinary Honors Program complete 36 semester hours of coursework within the special honors curriculum; this study satisfies the goals of the Core except Goal II (Basic Mathematical Skills) and Goal III (Computer Technologies). Remedial studies cannot be applied toward satisfaction of the Core Curriculum.

Advising

Careful attention to student curriculum questions is provided for most students through the primary academic units—the School of Humanities, the School of Natural Sciences and Mathematics, the School of Social and Behavioral Sciences, the School of Education, the School of Business and the School of Engineering. Academic advisors are available in the school and department offices, and students should maintain close communication with the advisor in their chosen field of study. Students who are undecided about their majors, as well as other students, are considered part of the Division of General Studies and should stay in close communication with the advisors of this division. Students associated with the Honors Program should do likewise with the director and faculty of this program. Students interested in application of the Core Curriculum to programs in the School of Nursing and the School of Community and Allied Health should contact the dean's offices of these units. Students uncertain about what individual to contact regarding advice on the Core Curriculum, as well as other academic matters, should contact the Division of General Studies at (205) 834-6135.

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<td>I.  English Language</td>
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<td>II. Mathematical Skills</td>
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*Requirements can be satisfied by competency examination where available or by courses specified by individual schools/majors.