

Academic Programs

Degrees and Certificates Awarded

Austin Community College offers the following degrees and certificates:

- **Associate of Arts (A.A.) degree** – Awarded to students who complete at least 60 semester credit hours, 42 of which must be taken from the core curriculum. Fifteen hours of general education courses are embedded in the core curriculum, meaning that completion of the core curriculum also meets the SACS requirement for completion of the 15 hours of general education courses. Requirements for receiving the A.A. degree include:
 1. Completion of the 42-hour core curriculum
 2. Eight semester credit hours of foreign language courses (all courses must be in the same foreign language and may be satisfied through completing the core curriculum. Students should follow the approved degree plan in this catalog for their major.)
 3. Prescribed courses listed in one of the areas of concentration
- **Associate of Science (A.S.) degree** – Awarded to students who complete at least 60 semester credit hours, 42 of which must be taken from the core curriculum. Fifteen hours of general education courses are embedded in the core curriculum, meaning that completion of the core curriculum also meets the SACS requirement for completion of the 15 hours of general education courses. Requirements for receiving the A.S. degree include:
 1. Completion of the 42-hour core curriculum, including six to eight semester credit hours of natural science courses. (Students intending to transfer to a four-year institution should check to ensure transferability to the transfer institution.)
 2. Prescribed courses listed in one of the areas of concentration
- **The Associate of Arts in Teaching (A.A.T.) degree** – Awarded to students who complete one of three degrees aimed at those who wish to become certified teachers. Fifteen hours of general education courses are embedded in the core curriculum, so completion of the core curriculum satisfies the SACS requirements for 15 semester credit hours of general education courses. Requirements for receiving the A.A.T include:
 1. Completion of the 42-semester credit hour core curriculum
 2. The prescribed course list in one of the areas of concentration: a) EC-4 (Early Childhood Specialization only); b) EC-4, 4-8; or c) 8-12.
- **Associate of Applied Science (A.A.S.) degree** – Awarded to students who successfully complete the prescribed courses in any of the occupational-technical programs and the requisite 15 semester credit hours taken from the approved general education course list. Requirements for receiving the A.A.S. degree include:
 1. Completion of 15 hours of general education coursework
 2. See graduation requirements
 3. Prescribed courses in an area of concentration
- **Certificate** – Awarded to students who complete one of the approved certificate programs.
- **Marketable Skills Award (MSA)** – Awarded to students who complete a specified series of courses. The following credit programs offer MSAs: Accounting, Building Construction Technology, Child Development, and Welding (see degree plans). The Continuing Education Division also offers marketable skills awards.

- **Institutional Certificates** – Issued in certain workforce areas for successful completion of a course or courses that make a student eligible for immediate employment or add to the student's marketability to employers.

General Education Requirements

The Southern Association of Colleges and Schools (SACS) requires colleges and universities to incorporate into each degree plan 15 hours in general education courses. At ACC, the coursework consists of the following semester credit hours (SCH) taken from the approved list of general education courses:

- 3 SCH Written communication (English)
- 3 SCH Oral communication OR pass an oral communication proficiency exam (this option is not available if the degree plan specifies one of the approved oral communication courses.)
- 3 SCH Computational skills (math)
- 3 SCH Social/behavioral science requirement
- 3 SCH Humanities/fine arts

Following SACS guidelines, ACC selected general education courses designed to prepare associate degree graduates with the knowledge and skills to prepare for a career, further their educational study, and contribute to society. These courses help associate degree students with:

- Sufficient literacy skills of writing, reading, speaking, and listening to communicate effectively above the 12th grade level
- Understanding of numerical data and their implications for daily living
- Consciousness of our society
- The ability to think and analyze at a critical level
- Appreciation multicultural, multiethnic contributions to our country
- Understanding of our technological society
- Basic skills in the use of computers

Computer Literacy

Graduates of associate degree programs must be able to demonstrate competency in the basic use of computers by using computer technology in solving problems, communicating, and acquiring information. Basic computer skills may be obtained by completing a proficiency test or specific computer courses, completing courses that require use of the computer, completing the Info Game, or completing an associate degree that has computer courses as part of the degree plan.

General Education Course List

For completion of associate degree programs, the component of general education courses must constitute a minimum of 15 semester hours drawn from and include at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. The courses must be designed to ensure breadth of knowledge and must not be narrowly focused on those skills, techniques, and procedures peculiar to a particular occupation or profession. These 15 hours must be taken from the following list of general education courses.

Academic Programs

Written Communications (English)

- ENGL 1301 English Composition I
- ENGL 1302 English Composition II

Oral Communications

- SPCH 1311 Intro to Speech Communication
- SPCH 1315 Fundamentals of Public Speaking
- SPCH 1318 Interpersonal Communication
- SPCH 1321 Business and Professional Speaking

Computational Skills (Mathematics)

- MATH 1314 College Algebra
- MATH 1316 Trigonometry
- MATH 1324 Math for Business and Economics
- MATH 1332 College Mathematics
- MATH 1333 Mathematics for Measurement
- MATH 1342 Elementary Statistics
- MATH 1425 Business Calculus and Applications I
- MATH 2318 Linear Algebra
- MATH 2412 Precalculus: Functions and Graphs
- MATH 2413 Calculus I
- MATH 2414 Calculus II

Natural Sciences

- BIOL 1309 Life on Earth
- BIOL 1406 Cellular and Molecular Biology
- BIOL 1407 Structure and Function of Organisms
- BIOL 1408 Unity of Life
- BIOL 1409 Diversity of Life
- BIOL 1411 General Botany
- BIOL 1413 General Zoology
- BIOL 1424 Native Plants
- BIOL 2106 Environmental Biology, Lab
- BIOL 2206 Environmental Biology, Lecture
- BIOL 2304 Human Anatomy, Lecture
- BIOL 2101 Human Anatomy, Lab
- BIOL 2305 Human Physiology, Lecture
- BIOL 2102 Human Physiology, Lab
- BIOL 2306 The Living Planet
- BIOL 2420 Intro to Microbiology
- BIOL 2421 Microbiology
- CHEM 1405 Introduction to Chemistry
- CHEM 2423 Organic Chemistry I
- CHEM 2425 Organic Chemistry II
- CHEM 1411 General Chemistry I
- CHEM 1412 General Chemistry II
- ENVR 1301 Introduction to Environmental Science
- ENVR 1302 Issues in Environmental Science
- GEOL 1305 Environmental Geology
- GEOL 1445 Introduction to Oceanography
- GEOL 1403 Physical Geology
- GEOL 1404 Historical Geology
- PHYS 1311 Stellar Astronomy
- PHYS 1312 Solar System Astronomy
- PHYS 1401 General Physics I
- PHYS 1402 General Physics II
- PHYS 1405 Conceptual Physics I
- PHYS 1407 Conceptual Physics II
- PHYS 1411 Stellar Astronomy Lab
- PHYS 2425 Engineering Physics I
- PHYS 2426 Engineering Physics II

Humanities/Fine Arts

- ARTS 1301 Introduction to the Visual Arts
- ARTS 1303 Art History I
- ARTS 1304 Art History II
- COMM 1335 Intro to Radio and Television
- DANC 2303 History and Appreciation of Dance
- DRAM 1310 Introduction to the Theatre
- DRAM 2366 Film Appreciation
- ENGL 2322 British Literature I
- ENGL 2323 British Literature II
- ENGL 2327 American Literature I
- ENGL 2328 American Literature II
- ENGL 2332 World Literature I
- ENGL 2333 World Literature II
- ENGL 2342 Introduction to Literature I
- ENGL 2343 Introduction to Literature II
- FREN 1511 French I
- FREN 1512 French II
- FREN 2311 French III
- FREN 2312 French IV
- GERM 1511 German I
- GERM 1512 German II
- GERM 2311 German III
- GERM 2312 German IV
- HUMA 1315 The Arts in Contemporary Society
- HUMA 1301 Introduction to Humanities
- JAPN 1511 Japanese I
- JAPN 1512 Japanese II
- JAPN 2311 Japanese III
- JAPN 2312 Japanese IV
- LATI 1511 Latin I
- LATI 1512 Latin II
- LATI 2311 Latin III
- LATI 2312 Latin IV
- MUSI 1301 Music Fundamentals
- MUSI 1306 Music Appreciation
- PHIL 1301 Introduction to Philosophy
- PHIL 2303 Logic
- PHIL 2306 Ethics
- RUSS 1511 Russian I
- RUSS 1512 Russian II
- RUSS 2311 Russian III
- RUSS 2312 Russian IV
- SPAN 1511 Spanish I
- SPAN 1512 Spanish II
- SPAN 2311 Spanish III
- SPAN 2312 Spanish IV

Social and Behavioral Sciences

- ANTH 2301 Physical Anthropology
- ANTH 2351 Cultural Anthropology
- ANTH 2302 Introduction to Archaeology
- ECON 2302 Principles of Microeconomics
- ECON 2301 Principles of Macroeconomics
- GEOG 1301 Physical Geography
- GEOG 1302 Cultural Geography
- GOVT 2305 American Government
- GOVT 2306 Texas State and Local Government
- HIST 1301 U.S. History I
- HIST 1302 U.S. History II
- HIST 2301 Texas History
- HIST 2327 Mexican-American History I
- HIST 2328 Mexican-American History II
- HIST 2381 U.S. History I: African-American
- PSYC 2301 Introduction to Psychology
- SOCI 1301 Introduction to Sociology

Core Curriculum

www.austincc.edu/acadprog/core1.htm

Core curriculum is defined in House Bill 2183 of the Texas Legislature as “the curriculum in the liberal arts, humanities, sciences, and political, social, and cultural history that all undergraduates of a particular institution of higher education are required to complete before receiving an associate or baccalaureate degree.” The Texas Higher Education Coordinating Board is responsible for ensuring that each state-supported college and university has a core curriculum. ACC requires students seeking an Associate of Arts or Associate of Science to complete the college’s core curriculum. The purpose of the core curriculum is to provide the skills, knowledge, and perspectives that help define the educated person. Courses that are included in the core curriculum contribute to the acquisition of these skills, perspectives, and to a basic core of knowledge. Educational outcomes have been written so the college can assess the effectiveness of the core curriculum.

Intellectual Competencies

The core curriculum is predicated on a series of basic intellectual competencies—reading, writing, speaking, listening, critical thinking, and computer literacy—essential to the learning process in any discipline. Although students can be expected to come to college with some experience in exercising these competencies, they often need further instruction and practice to meet college standards and, later, to succeed in both their major field of academic study and their chosen career or profession. These competencies are:

Reading – Reading at the college level means the ability to analyze and interpret a variety of printed materials—books, articles, and documents. A core curriculum should offer students the opportunity to master both general methods of analyzing printed materials and specific methods for analyzing the subject matter of individual disciplines.

Writing – Competency in writing is the ability to produce clear, correct, and coherent prose adapted to purpose, occasion, and audience. Although correct grammar, spelling, and punctuation are essential in any composition, they do not automatically ensure that the composition itself makes sense or that the writer has much of anything to say. Students need to be familiar with the writing process, including how to discover a topic, how to develop and organize it, and how to phrase it effectively for their audience. These abilities can be acquired only through practice and reflection.

Speaking – Competence in speaking is the ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience. Developing this competency includes acquiring poise and developing control of the language through experience in making presentations to small groups, to large groups, and through the media.

Listening – Listening at the college level means the ability to analyze and interpret various forms of spoken communication.

Critical thinking – Critical thinking embraces methods for applying both qualitative and quantitative skills analytically and creatively to subject matter in order to evaluate arguments and to construct alternative strategies. Problem solving is one of the applications of critical thinking used to address an identified task.

Computer literacy – Computer literacy at the college level means the ability to use computer-based technology in communicating, solving problems, and acquiring information. Core-education students should have an understanding of the limits, problems, and possibilities associated with the use of technology, and should have the tools necessary to evaluate and learn new technologies as they become available.

Perspectives in the Core Curriculum

Another imperative of a core curriculum is that it contain courses that help students attain:

- Broad and multiple perspectives on the individual in relationship to the larger society and world in which he or she lives, and an understanding of the responsibility of living in a culturally and ethnically diversified world
- A capacity to discuss and reflect upon individual, political, economic, and social aspects of life in order to understand ways in which to be a responsible member of society
- Recognition of the importance of maintaining health and wellness
- A capacity to use knowledge of how technology and science affect their lives
- Personal values for ethical behavior
- The ability to make aesthetic judgments
- Use of logical reasoning in problem solving
- Understanding of the interrelationship of the scholarly disciplines

Exemplary Educational Objectives

The following exemplary educational objectives should be used as basic guidelines for selected component areas.

Communication (composition and speech)

The objective of a communication component of a core curriculum is to enable the student to communicate effectively in clear and correct prose in a style appropriate to the subject, occasion, and audience. Exemplary educational objectives are to:

- Understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation.
- Understand the importance of specifying audience and purpose and to select appropriate communication choices.

- Understand and appropriately apply modes of expression, i.e., descriptive, expository, narrative, scientific, and self-expressive, in written, visual, and oral communication.
- Participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding.
- Understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.
- Develop the ability to research and write a documented paper and/or to give an oral presentation.

Mathematics

The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems. Exemplary educational objectives are to:

- Apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
- Represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
- Expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
- Use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
- Interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
- Develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

Natural Sciences

The objective of the study of a natural sciences component of a core curriculum is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories. Exemplary educational objectives are to:

- Understand and apply method and appropriate technology to the study of natural sciences.
- Recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
- Identify and recognize the differences among competing scientific theories.
- Demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
- Demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

Humanities and Visual and Performing Arts

The objective of the humanities and visual and performing arts in a core curriculum is to expand students' knowledge of the human condition and human cultures, especially in relation to behaviors, ideas, and values expressed in works of human imagination and thought, through study in disciplines such as literature, philosophy, and the visual arts, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society. Students should have experiences in both the arts and humanities. Exemplary educational objectives are to:

- Demonstrate awareness of the scope and variety of works in the arts and humanities.
- Understand those works as expressions of individual and human values within an historical and social context.
- Respond critically to works in the arts and humanities.
- Engage in the creative process or interpretive performance and comprehend the physical and intellectual demands required of the author or visual or performing artist.
- Articulate an informed personal reaction to works in the arts and humanities.
- Develop an appreciation for the influence of the aesthetic principles that guide or govern the humanities and arts.
- Demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.

Social and Behavioral Sciences

The objective of a social and behavioral science component of a core curriculum is to increase students' knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity. Exemplary educational objectives are to:

- Employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition.
- Examine social institutions and processes across a range of historical periods, social structures, and cultures.
- Use and critique alternative explanatory systems or theories.
- Develop and communicate alternative explanations or solutions for contemporary social issues.
- Comprehend the origins and evolutions of U.S. and Texas political systems, with a focus on the growth of political institutions, the constitutions of the U.S. and Texas, federalism, civil liberties, and civil and human rights.
- Understand the evolution and current role of the U.S. in the world.

- Differentiate and analyze the historical evidence (documentary and statistical) and differing points of view.
- Recognize and apply reasonable criteria for the acceptability of historical evidence and social research.
- Analyze, critically assess, and develop creative solutions to public policy problems.
- Assume one's responsibility as a citizen in a democratic society by learning to think for oneself, by engaging in public discourse, and by obtaining information through the news media and other appropriate information sources about politics and public policy.
- Identify and understand differences and commonalities within diverse cultures.

42 Semester Credit Hour Core Curriculum

Students who successfully complete ACC's 42 semester credit hour core curriculum can transfer the entire block of courses to any state public college or university and substitute it for the transfer institution's core curriculum requirements. Students who transfer without completing the core curriculum receive academic credit for their courses but must complete the transfer institution's core curriculum requirements.

ACC designates core curriculum courses on the official ACC transcript. The note "Core Curriculum Completed" appears on students' transcripts if they complete the core curriculum.

The following course listing for the core curriculum was in effect at the time of print. The most current listing of core curriculum courses is available on the web at www.austincc.edu/acadprog/core1.htm.

English Rhetoric/Composition: 6 credit hours (code 010)

ENGL 1301	English Composition I
ENGL 1302	English Composition II

Communications: 3 credit hours (code 011)

SPCH 1311	Intro to Speech Communication
SPCH 1315	Fundamentals of Public Speaking
SPCH 1318	Interpersonal Communication
SPCH 1321	Business and Professional Speaking
FREN 1511	French I
FREN 1512	French II
GERM 1511	German I
GERM 1512	German II
JAPN 1511	Japanese I
JAPN 1512	Japanese II
RUSS 1511	Russian I
RUSS 1512	Russian II
SPAN 1511	Spanish I
SPAN 1512	Spanish II

Mathematics: 3 credit hours (code 020)

MATH 1314	College Algebra
MATH 1316	Trigonometry
MATH 1324	Math for Business and Economics
MATH 1332	College Mathematics
MATH 1333	Mathematics for Measurement
MATH 1342	Elementary Statistics
MATH 1425	Business Calculus and Applications I
MATH 2318	Linear Algebra
MATH 2412	Precalculus: Functions and Graphs
MATH 2413	Calculus I
MATH 2414	Calculus II

Visual and Performing Arts: 3 credit hours (code 050)

ARTS 1301	Introduction to the Visual Arts
ARTS 1303	Art History I
ARTS 1304	Art History II
COMM 1335	Intro to Radio and Television
DANC 2303	History and Appreciation of Dance
DRAM 1310	Introduction to the Theatre
DRAM 2366	Film Appreciation
MUSI 1301	Music Fundamentals
MUSI 1306	Music Appreciation

Government: 6 credit hours (code 070)

GOVT 2305	American Government
GOVT 2306	Texas State and Local Government

History: 6 credit hours (code 060)

HIST 1301	U. S. History I
HIST 1302	U. S. History II
HIST 2301	Texas History
HIST 2327	Mexican-American History I
HIST 2328	Mexican-American History II
HIST 2381	U. S. History I: African-American

Other Social and Behavioral Sciences: 3 credit hours (code 080)

ANTH 2301	Physical Anthropology
ANTH 2351	Cultural Anthropology
ANTH 2302	Introduction to Archaeology
ECON 2302	Principles of Microeconomics
ECON 2301	Principles of Macroeconomics
GEOG 1301	Physical Geography
GEOG 1302	Cultural Geography
PSYC 2301	Introduction to Psychology
SOCI 1301	Introduction to Sociology

Natural Sciences: 6 credit hours (code 030)

BIOL 1309	Life on Earth
BIOL 1406	Cellular and Molecular Biology
BIOL 1407	Structure and Function of Organisms
BIOL 1408	Unity of Life
BIOL 1409	Diversity of Life
BIOL 1411	General Botany

BIOL 1413	General Zoology
BIOL 1424	Native Plants
BIOL 2106	Environmental Biology, Lab
BIOL 2206	Environmental Biology, Lecture
BIOL 2304	Human Anatomy, Lecture
BIOL 2101	Human Anatomy, Lab
BIOL 2305	Human Physiology, Lecture
BIOL 2102	Human Physiology, Lab
BIOL 2306	The Living Planet
BIOL 2420	Intro to Microbiology
BIOL 2421	Microbiology
CHEM 1405	Introduction to Chemistry
CHEM 2423	Organic Chemistry I
CHEM 2425	Organic Chemistry II
CHEM 1411	General Chemistry I
CHEM 1412	General Chemistry II
ENVR 1301	Introduction to Environmental Science
ENVR 1302	Issues in Environmental Science
GEOL 1305	Environmental Geology
GEOL 1445	Introduction to Oceanography
GEOL 1403	Physical Geology
GEOL 1404	Historical Geology
PHYS 1311	Stellar Astronomy
PHYS 1411	Stellar Astronomy, Lab
PHYS 1312	Solar System Astronomy
PHYS 1401	General Physics I
PHYS 1402	General Physics II
PHYS 1405	Conceptual Physics I
PHYS 1407	Conceptual Physics II
PHYS 2425	Engineering Physics I
PHYS 2426	Engineering Physics II

Humanities:**6 credit hours (codes 040/041)**

ENGL 2322	British Literature I
ENGL 2323	British Literature II
ENGL 2327	American Literature I
ENGL 2328	American Literature II
ENGL 2332	World Literature I
ENGL 2333	World Literature II
ENGL 2342	Introduction to Literature I
ENGL 2343	Introduction to Literature II
FREN 2311	French III
FREN 2312	French IV
GERM 2311	German III
GERM 2312	German IV
HUMA 1315	The Arts in Contemporary Society
HUMA 1301	Introduction to Humanities
JAPN 2311	Japanese III
JAPN 2312	Japanese IV
LATI 1511	Latin I
LATI 1512	Latin II
LATI 2311	Latin III
LATI 2312	Latin IV
PHIL 1301	Introduction to Philosophy
PHIL 2303	Logic
PHIL 2306	Ethics
RUSS 2311	Russian III
RUSS 2312	Russian IV
SPAN 2311	Spanish III
SPAN 2312	Spanish IV

Field of Study Curriculum

Field of study curriculum, mandated in Senate Bill 148 of the 75th Texas Legislature (1997), facilitates free transferability of lower-division academic courses among Texas public colleges and universities. Field of study curricula are defined by SB 148 as “a set of courses that will satisfy the lower-division requirements for a bachelor’s degree in a specific academic area at a general academic teaching institution.” The Texas Higher Education Coordinating Board is responsible for developing and approving academic courses that fulfill the lower-division requirements for majors that correspond to the field of study.

Students who successfully complete ACC’s field of study curriculum can transfer that block of courses to any Texas public college or university. The field of study curriculum is substituted for that institution’s lower-division requirements of the degree program for the field of study into which the students transfer. The students receive full academic credit toward the degree program of the block of courses transferred. Students who transfer without completing the ACC’s field of study curriculum receive academic credit for their courses but must complete the transfer institution’s field of study requirements.

The Coordinating Board has approved fields of study for the following disciplines: business, communication, computer science, criminal justice, early childhood education, engineering, engineering technology, grade 4-8 teacher certification, music, and nursing. ACC does not necessarily offer all the courses in each of the fields of study listed by Coordinating Board.

Business

The following set of courses has been adopted as a field of study for students seeking the Bachelor of Business Administration, Bachelor of Arts, or Bachelor of Science in Business:

ECON 2301	Principles of Microeconomics
ECON 2302	Principles of Macroeconomics
MATH 1325	Math for Business and Social Sciences II
BCIS 1305	Business Computer Applications
SPCH 1321	Business and Professional Speaking
ACCT 2301	Principles of Financial Accounting
ACCT 2302	Principles of Managerial Accounting

Communication

In order to maintain flexibility in a rapidly changing field, a competency framework has been adopted as a field of study for students seeking a Bachelor of Arts or Bachelor of Science in Communication in one of four areas:

- Advertising and public relations
- Journalism and mass communication
- Radio and television broadcasting and broadcast journalism
- General communication and communication studies/speech communication/speech and rhetorical studies/organizational communication.

Students should choose lower-division courses that fulfill competency requirements for their chosen field or sub-area. See a current listing of courses in the state-adopted table at www.theccb.state.tx.us/ctc/ip/core11_00/index.htm.

Computer Science

The following set of courses has been adopted as a field of study for students seeking a Bachelor of Science in Computer Science. Note: It is recommended that students complete the math sequence, physics sequence, and computer science sequence at the same institution to reduce the likelihood of potential gaps in the curriculum.

COSC 1336 or 1436	Programming Fundamentals I ^{1 2 3}
COSC 1337 or 1437	Programming Fundamentals II
COSC 2336 or 2436	Programming Fundamentals III
COSC 2325 or 2425	Comp. Org. and Machine Language ⁴
MATH 2313 or 2413	Calculus I
MATH 2314 or 2414	Calculus II
PHYS 2425	Physics I
PHYS 2426	Physics II

¹ COSC 1336/1436 and 1337/1437 are preparatory and sequential in nature; however, not all courses are required for the computer science major at all universities, but may apply to general degree requirements.

² COSC 1336/1436 is not part of the computer science major requirements at the University of Texas at Austin, University of Texas at Arlington, University of Texas at Dallas, and Texas A&M University.

³ COSC 1337/1437 is not part of the computer science major requirements at the University of Texas at Austin. Preparatory courses such as COSC 1336/1436 and COSC 1337/1437 will assist students that need additional background but do not apply toward the computer science major requirements.

⁴ COSC 2325/2425 is not part of the computer science major requirements at the University of Texas at Austin or Texas A&M University but may be applied to general degree requirements.

Criminal Justice

The following set of courses has been adopted as a field of study for students seeking a Bachelor of Arts or Bachelor of Science in Criminal Justice:

CRIJ 1301	Introduction to Criminal Justice
CRIJ 1306	Court Systems and Practices
CRIJ 1310	Fundamentals of Criminal Law
CRIJ 2313	Correctional Systems and Practices
CRIJ 2328	Police Systems and Practices

Engineering and Engineering Technology

The field of study curricula for engineering and engineering technology are designed to promote maximum transferability for students while still preserving curricular diversity for institutions. ACC students and faculty advisors should consult www.thecb.state.tx.us/ctc/ip/core11_00/index.htm for field of study curriculum regarding their intended transfer destination.

Mexican-American Studies

The following set of courses, totaling 18 semester credit hours, has been adopted as a field of study for students seeking a bachelor's degree in Mexican-American studies.

HUMA 1305	Introduction to Mexican-American Studies
HIST 2327	Mexican-American History I
HIST 2328	Mexican-American History II
GOVT 2311	Mexican-American Politics
ENGL 2351	Mexican-American Literature
HUMA 1311	Mexican-American Fine Arts Appreciation

Music

The following field of study has been adopted for students seeking a Bachelor of Music, Bachelor of Arts, or other bachelor's-level music degree. It consists of 27 to 35 lower-division semester credit hours in the following areas: ensemble, applied study, theory/aural skills, and music literature. Note: Transfer of credit in ensemble, applied study, and theory/aural skills will be on a course-by-course basis.

Area	Credit hours
Ensemble (MUEN)	4
Applied Study (MAUP)	8
Theory/Aural Skills (MUSI)	12–16
Music Literature (MUSI 1308)	3

Nursing

The following courses, totaling 28 credit hours of fully transferable and applicable lower-division academic courses, and an additional set of Workforce Education (WECM) nursing courses, make up the field of study curriculum for nursing.

Academic Courses

Chemistry (AUGM) with lab

BIOL 2304 and BIOL 2101	Human Anatomy lecture/lab
BIOL 2305 and BIOL 2102	Human Physiology lecture/lab
BIOL 2420 or BIOL 2420	Microbiology with lab
HECO 1322 or BIOL 1322	Nutrition and Diet Therapy I
PSYC 2301	General Psychology and Lifespan
PSYC 2314	Growth and Development
MATH 1342	Elementary Statistical Methods

Workforce Education Courses

Lower-division nursing content is offered through one of two general types of programs: Blocked or Integrated. Because of the distribution of content, it is extremely difficult to align curricula from one type of program to another. Students who desire to transfer from a program utilizing one type of program into the other type of program should be prepared to make up some content through a “bridge” course or through the repetition of some content within courses. It is recommended that a student make every effort to avoid transferring from one type of program to the other before completing the associate degree in nursing in order not to lose credit. See www.theccb.state.tx.us/ctc/ip/core11_00/index.htm for details.

Distance Learning

<http://dl.austincc.edu>

Distance Learning provides students an opportunity to earn college credit by participating in a variety of non-classroom oriented courses. The content and transferability to four-year colleges is identical to the courses offered on campus. Students also follow the same admissions and registration procedures as on-campus students. Instead of attending on-campus classes, students participate in an orientation session, online discussions and activities, complete readings in textbooks and study guides, take periodic exams, and in some cases write papers or reports. Exams are taken at an ACC Testing Center or other designated site. Each course has an instructor for students to contact when they need assistance. Distance Learning offers the following types of courses:

- **Telecourses (ITV)** – Use recorded video programs that students may access on cable television or in ACC libraries and centers. Some ITV courses are available in a streamed format and may be viewed from any personal computer with Internet access. For most ITV courses, videotapes may be rented from a commercial distributor for the semester.
- **Online courses (PCM)** – Students need access to a personal computer with a modem and an Internet connection. ACC uses the Blackboard course management system for its online courses.
- **Interactive video classes (IVC)** – Technology connects two or more remote locations and allows students to see, hear, and talk with their instructor and classmates at all sites.
- **Print-based courses (PRN)** – Textbook-based courses. Some use video programs, e-mail, or the Internet as supplementary activities.
- **Directed study courses (DIR)** – Students spend time at a social service, health, or governmental institution or other sites as a major part of their coursework. Offered on a limited basis.

Orientations

Students are required to participate in orientation sessions for Distance Learning courses. The course schedule provides orientation information for the courses.

General Information

For general information and new Distance Learning course offerings, see the ACC Course Schedule, visit <http://dl.austincc.edu> or call 512.223.8026, toll-free 888.223.8026, or e-mail dl@austincc.edu with your questions.

Correspondence Courses

Austin Community College does not offer correspondence courses. Distance Learning instead offers both technology and non-technology-based courses that enable students to work at home and take tests in an ACC Testing Center.

Early College Start

www.austincc.edu/ecs

The Early College Start program allows high school students to co-enroll in college courses at ACC if they have successfully completed 10th grade at a public, private, charter, or home school. High school students can apply to ACC through the Early College Start program by contacting their high school guidance counselor for an application and other required documents.

Early College Start students may enroll in any ACC course for which they have:

- Received permission from their parent/guardian and high school counselor or principal
- Passed the appropriate sections on the ACC admissions assessment or submitted acceptable scores on the ACT, SAT, or TAKS tests

Early College Start students may enroll in a maximum of two ACC courses per semester. Courses are free to in-district Early College Start students (students residing in ACC's taxing district). Out-of-district Early College Start students are charged a fee for each course they take. ECS fees may be waived for out-of-district students who 1) participate in an ACC class taught on a high school campus; 2) document participation in the federal free or reduced lunch program; or 3) document participation in a public assistance program such as TANF or WIA. All students are responsible for purchasing any textbooks or supplies required by their instructor.

Early College Start students are subject to all ACC requirements regarding admissions, assessment, courses, academic standards, and conduct.

Academic Programs

Dual credit for Early College Start students

Early College Start students may seek “dual credit” by completing ACC courses that also satisfy their high school graduation requirements. Students should consult their guidance counselor for a list of “dual credit” courses approved at their high school.

Learning Communities

Learning communities allow students to discover diverse perspectives and are designed to build involvement, promote learning, and influence student retention. Students enroll in at least two linked courses, and what students learn in one class is reinforced in the other. Examples of learning communities are “The Great American Experience,” combining government and history courses, and “Write the Right Way,” combining Writing Skills II, English Composition I, and Basic Study Skills courses. For information, call 223.5015.

Instructional Technology

<http://itdl.austincc.edu>

Instructional Technology facilities include media centers and open-access computer centers. Media centers maintain alternative formats for learning, including videos, CD-ROMs, and audiocassettes and hardware for playback. Media center staff assist students in locating and using media relevant to their courses. Computer centers provide students access to instructional and productivity software through computers, printers, and access to the Internet. Computer center staff assist students in using these resources. A current ACC ID and photo ID are required for access to the computer centers.

Library Services

<http://library.austincc.edu>

Library Services and Instructional Technology include libraries, media centers, and computer centers. Libraries offer access to the college online network of resources. Eastview, Northridge, Rio Grande, and Riverside Campus libraries have larger general collections of reference and circulating print materials and periodicals as well as electronic resources. Media centers at these campuses have audiovisual collections, and computer centers have instructional and productivity computer software. The Eastview Campus library also has materials for the health sciences curriculum.

The Cypress Creek and Pinnacle campuses have smaller collections of general circulating and reference books, periodicals, and media as well as computer centers. Resources and services vary at the evening high school sites. All print, audiovisual, and computer center software material available at ACC library, media centers, and computer centers are listed in the online catalog at <http://alicat.austincc.edu/screens/opacmenu.html>.

Hours and Locations

Call the information number (512.223.3084) to hear a recording of library, media center, and computer center hours. You also can pick up a Locations and Hours brochure at an ACC library or visit <http://library.austincc.edu> for complete information.

Reference Help

Librarians are faculty members who have professional expertise in helping students find and use information. Librarians are familiar with library assignments handed out in classes and also offer instruction in the print and electronic research process. Students can access assistance at library reference desks, by phone, by live-person chat, or via e-mail. Reference access information is available at <http://library@austincc.edu/help/ask.htm>.

Online Access

Using library workstations or your own computer off campus, you can access the online catalog, locate full-text periodical articles, search electronic reference sources, print electronic reserves, view study guides, tutorials, and recommended websites, or search the Internet. Begin at the library home page <http://library.austincc.edu>.

You must be a current student to access indexes and reference databases from off campus. Call campus reference desks for further assistance in remote use.

Materials

Library materials include reference resources, circulating books; electronic books; online full-text databases of periodicals and reference materials; online and print periodicals; back issues of periodicals on microfiche; local, state, and national newspapers and a wide variety of audiovisual materials such as videos, DVDs and CDs. All media materials and the equipment to use them are available for use in the libraries. In addition, there is a reserve collection of materials, placed on reserve by instructors for specific classes. Reserves may be in print, audiovisual or electronic format. From library workstations, you can also access Blackboard, web email, and the Internet.

Thousands of periodicals and newspapers are available in print or online. Many online indexes offer the full text of periodical articles that you may print, download, or send via e-mail. Librarians can show you how to use these resources. You may check out periodical back issues at many libraries as well.

Saving, Printing, E-mailing and Copying

Current ACC students may print from library workstations; however, students are encouraged to bring formatted 3.5-inch disks or jump drives to libraries and computer centers for downloading information. You may also email information from many library resources to yourself. Libraries also have photocopiers and high-speed audiotape duplicators for your use.

Material from Other Libraries

If you need material that is at another campus, you can request that it be sent to your campus through intercampus delivery. You may make a request yourself online or ask a library staff member to make the request for you. Also, ACC Library Services offers TexShare cards that allow ACC students to borrow from many other local libraries.

Fines

All items except reserves	25 cents/day
Two-hour reserves	\$1 first hour; 25 cents/hour thereafter
Other reserves	\$1 first hour; \$1 a day thereafter

You will be placed on student records hold if you do not return materials within four weeks from the due date or if you owe \$10 or more in fines. This hold must be cleared before you can check out more materials, register for classes, receive grades, or obtain transcripts.

Access, Use, and Check-out Procedures for Libraries, Media Centers, and Computer Centers

Students need a current ACC ID and a photo ID to check out or renew library materials or to use computer centers. Books are loaned for two weeks. Loan periods for other materials vary and may include room-use-only restrictions.

Video Services

Video Services provides the technology to deliver Distance Learning courses and campus-to-campus instruction to students via cable outlets in the Austin area and through streaming video technology. Video Services also maintains the college's interactive classrooms and provides technical support to end users.

Tech-Prep Program

Tech-prep is a way to start a college technical major while in high school. In a tech-prep program, students begin a course of study in high school and continue in a community or technical college. The courses are college technical courses taught at the high school as part of an agreement between a school district and Austin Community College. Once a student enrolls in ACC and completes at least one course (three semester credit hours), the student can request the credit earned while in high school (credit in escrow). For more information, contact the Capital Area Tech Prep Consortium at 223.7825. ACC's tech-prep program areas include:

- Automotive Technology
- Biotechnology
- Computer Information Technology
- Criminal Justice
- Culinary Art, Hospitality Management, and Travel and Tourism
- Electronic Technology
- Engineering Design Graphic
- Marketing
- Medical Laboratory Technology
- Visual Communications
- Welding Technology