

CORE CURRICULUM

The Core Curriculum at South Texas College has, at its foundation, the philosophy and purpose of the College and is a composition of general education courses which form the foundation of all Associate of Arts and Associate of Science degrees.

These are degrees that are designed for students who plan to continue their education at a four-year university in order to earn a Bachelor of Fine Arts, Bachelor of Arts or Bachelor of Science degree.

STC is committed to the preparation of intellectually flexible, creative and productive citizens. Through exposure to a varied range of disciplines and technologies, students will develop:

- an understanding of the importance of lifelong learning
- broad global and social perspectives
- essential skills for tomorrow's workforce

The purpose of the Core Curriculum is to gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Core Objectives

- **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- **Communication Skills** - to include effective development, interpretation and expression of ideas through written, oral and visual communication.
- **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
- **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- **Personal Responsibility** - to include the ability to connect choices, actions and consequences to ethical decision-making.
- **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility and the ability to engage effectively in regional, national and global communities.

This common body of essential knowledge and skills is taught and reinforced through courses selected in nine Core Components:

- **Communication**
- **Mathematics**
- **Life and Physical Sciences**
- **Language, Philosophy & Culture**
- **Creative Arts**
- **American History**
- **Government/Political Science**
- **Social and Behavioral Sciences, and a**
- **Component Area Option.**

Communication

Composition/Written Communication 6 credit hours

Courses in this category focus on developing ideas and expressing them clearly, considering the effect of the message, fostering understanding

and building the skills needed to communicate persuasively. Courses involve the command of oral, aural, written and visual literacy skills that enable people to exchange messages appropriate to the subject, occasion and audience.

ENGL 1301	Composition I	3
ENGL 1302	Composition II - Rhetoric	3
Total Credit Hours		6

Mathematics

3-4 credit hours

Courses in this category focus on quantitative literacy in logic, patterns and relationships. Courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools to everyday experience.

Select 3-4 credit hours of the following:		3-4
MATH 1316	Plane Trigonometry	
MATH 1324	Mathematics for Business & Social Sciences	
MATH 1325	Calculus for Business & Social Sciences	
MATH 1332	Contemporary Mathematics	
MATH 1342	Elementary Statistical Methods	
MATH 1414	College Algebra	
MATH 2412	Pre-Calculus Math	
MATH 2413	Calculus I	
Total Credit Hours		3-4

Life and Physical Sciences*

8 credit hours

Courses in this category focus on describing, explaining and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Select 8 credit hours of the following:		8
BIOL 1406	Biology for Science Majors I	
BIOL 1407	Biology for Science Majors II	
BIOL 1408	Biology for Non-Science Majors I	
BIOL 1409	Biology for Non-Science Majors II	
BIOL 2401	Anatomy and Physiology I	
BIOL 2402	Anatomy and Physiology II	
CHEM 1405	Introductory Chemistry I for Non-Science Majors	
CHEM 1407	Introductory Chemistry II for Non-Science Majors	
CHEM 1409	General Chemistry for Engineering Majors	
CHEM 1411	General Chemistry I	
CHEM 1412	General Chemistry II	
ENVR 1401	Environmental Science I	
ENVR 1402	Environmental Science II	

GEOL 1403	Physical Geology	
GEOL 1404	Historical Geology	
GEOL 1445	Oceanography	
GEOL 1447	Meteorology	
PHYS 1401	College Physics I	
PHYS 1402	College Physics II	
PHYS 1403	Stars and Galaxies	
PHYS 1404	Solar System	
PHYS 1415	Physical Science I	
PHYS 1417	Physical Science II	
PHYS 2425	University Physics I	
PHYS 2426	University Physics II	
Total Credit Hours		8

Language, Philosophy and Culture*

3 credit hours

Courses in this category focus on how ideas, values, beliefs and other aspects of culture express and affect human experience. Courses involve the exploration of ideas that foster aesthetic and intellectual creation in order to understand the human condition across cultures.

Select 3 credit hours of the following: 3

ARTS 1304	Art History II
DRAM 2355	Script Analysis
ENGL 2321	British Literature
ENGL 2326	American Literature
ENGL 2331	World Literature
ENGL 2341	Introduction to Forms of Literature
ENGL 2351	Mexican American Literature
HUMA 1301	Introduction to Humanities I - Western
HUMA 1305	Introduction to Mexican-American Studies
HUMA 2319	American Minority Studies
HUMA 2323	World Cultures
MUSI 1307	Music Literature
PHIL 1301	Introduction to Philosophy
PHIL 1304	Introduction to World Religions
PHIL 2303	Introduction to Logic
PHIL 2306	Introduction to Ethics
PHIL 2307	Introduction to Social and Political Philosophy
PHIL 2316	Classical Philosophy
PHIL 2321	Philosophy of Religion
SGNL 2301	Intermediate American Sign Language I
SPAN 2311	Intermediate Spanish I
SPAN 2312	Intermediate Spanish II
SPAN 2313	Spanish for Native/Heritage Speakers I
SPAN 2315	Spanish for Native/Heritage Speakers II

Creative Arts*

3 credit hours

Courses in this category focus on the appreciation and analysis of creative artifacts and works of the human imagination. Courses involve the synthesis and interpretation of artistic expression and enable critical, creative and innovative communication about works of art.

Select 3 credit hours of the following: 3

ARCH 1301	Architectural History I
ARCH 1302	Architectural History II
ARTS 1301	Art Appreciation
ARTS 1303	Art History I
ARTS 1325	Drawing and Painting (for Non-Art Majors)
ARTS 2326	Sculpture
ARTS 2346	Ceramics I
ARTS 2356	Photography I (Fine Arts Emphasis)
DANC 1305	World Dance
DRAM 1310	Theater Appreciation
DRAM 1351	Acting I
DANC 2303	Dance Appreciation
DRAM 2366	Film Appreciation
HUMA 1302	Introduction to Humanities II - Non-Western
HUMA 1311	Mexican-American Fine Arts Appreciation
MUSI 1306	Music Appreciation
MUSI 1310	American Music

American History

6 credit hours

Courses in this category focus on the consideration of past events and ideas relative to the United States, with the option of including Texas History for a portion of this component area. Courses involve the interaction among individuals, communities, states, the nation and the world, considering how these interactions have contributed to the development of the United States and its global role.

Select 6 credit hours of the following: 6

HIST 1301	United States History I
HIST 1302	United States History II
HIST 2327	Mexican-American History I
HIST 2328	Mexican-American History II
HIST 2381	African American History I
HIST 2382	African American History II

Political Science

6 credit hours

Courses in this category focus on consideration of the Constitution of the United States and the constitutions of the states, with special emphasis on that of Texas. Courses involve the analysis of governmental institutions, political behavior, civic engagement and their political and philosophical foundations.

GOVT 2305	Federal Government	3
GOVT 2306	Texas Government	3
Total Credit Hours		6

Social and Behavioral Sciences

3 credit hours

Courses in this category focus on the application of empirical and scientific methods that contribute to the understanding of what makes us human. Courses involve the exploration of behavior and interactions among individuals, groups, institutions and events, examining their impact on the individual, society and culture.

Select 3 credit hours of the following: 3

ANTH 2301	Physical Anthropology
ANTH 2302	Introduction to Archeology
ANTH 2351	Cultural Anthropology
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
ECON 2301	Principles of Economics I - Macro
GOVT 2304	Introduction to Political Science
GOVT 2311	Mexican American and Latinx Politics
HIST 2301	Texas History
HIST 2321	World Civilizations I
HIST 2322	World Civilizations II
PSYC 2301	General Psychology
PSYC 2306	Human Sexuality
PSYC 2314	Lifespan Growth and Development
PSYC 2315	Psychology of Adjustment
SOCI 1301	Introductory Sociology
SOCI 1306	Social Problems
SOCI 2301	Marriage and the Family
SOCI 2319	Minority Studies
SOCW 2361	Introduction to Social Work
TECA 1354	Child Growth and Development

Total Credit Hours 3

Component Area Option*

3-4 credit hours

Select 3-4 credit hours of the following: 3-4

AGRI 1415	Horticulture
AGRI 1407	Agronomy
AGRI 1329	Principles of Food Science
AGRI 2330	Wildlife Conservation and Management
BCIS 1305	Business Computer Applications
BIOL 1322	Nutrition and Diet Therapy

BIOL 2406	Environmental Biology
BIOL 2416	Genetics
BIOL 2421	Microbiology for Science Majors
CHEM 2423	Organic Chemistry I
CHEM 2425	Organic Chemistry II
COSC 1301	Introduction to Computing
COSC 1320	C Programming
COSC 1337	Programming Fundamentals II
COSC 1436	Programming Fundamentals I
COSC 2425	Computer Organization
COSC 2436	Programming Fundamentals III
EDUC 1100	Learning Framework
EDUC 1300	Learning Framework
ENGR 1201	Introduction to Engineering
ENGR 1304	Engineering Graphics
ENGR 2301	Engineering Mechanics - Statics
ENGR 2302	Engineering Mechanics - Dynamics
ENGR 2405	Electrical Circuits I
ENVR 1401	Environmental Science I
GEOL 1404	Historical Geology
KINE 1164	Introduction to Physical Fitness and Wellness
MATH 2305	Discrete Mathematics
MATH 2418	Linear Algebra
MATH 2420	Differential Equations
PHIL 1301	Introduction to Philosophy
PHIL 1304	Introduction to World Religions
PHIL 2303	Introduction to Logic
PHIL 2306	Introduction to Ethics
PHIL 2307	Introduction to Social and Political Philosophy
PHIL 2316	Classical Philosophy
PHIL 2321	Philosophy of Religion
PSYC 1300	Learning Framework
PSYC 2301	General Psychology
SOCI 1301	Introductory Sociology
SOCI 1306	Social Problems
SOCW 2361	Introduction to Social Work
SPCH 1311	Introduction to Speech Communication
SPCH 1315	Public Speaking
SPCH 1318	Interpersonal Communications
SPCH 1321	Business and Professional Communication
SPCH 2333	Discussion and Small Group Communication

Total Credit Hours	3-4
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Total Credit Hours: 42

*Core Curriculum Component pending THECB
approvals.