

Core Curriculum Committee Report 1999

Conceptual Components of Fall 1999 UTD Core Curriculum: 42 hours

A. Communication (6 hours)

English Rhetoric and Composition (6 hours): At least one course that requires student to learn to communicate effectively in clear and correct prose and to master several modes of writing, including descriptive, expository, narrative and self-expressive. Other courses may require students to master more specific forms of writing tailored to the professional standards in their major field of study. All courses require that students write, receive detailed feedback about, and revise at least 15 double-spaced pages.

B. Mathematics and Quantitative Methods (6 hours)

College Math (3 hours): Requires students to master the formal principles of algebra or calculus at a level higher than high school algebra II.

Quantitative Methods (3 hours): Requires students to master logical reasoning and inference; the application of mathematical concepts; statistical methods; or formal principles of algebra, calculus or advanced mathematics beyond the College Math requirement.

C. Natural Science (9 hours)

Science (9 hours): Introductory or foundations-level treatment of fields of inquiry in the natural sciences.

Laboratory Science: At least one course must have a substantial laboratory component.

D. Humanities and Fine Arts (6 hours)

Visual and Performing Arts (3 hours): Introductory or foundations-level treatment of one or more of the visual or performing arts.

Humanities (3 hours): Introductory or foundations-level treatment of literature, philosophy, cultural studies, modern language or classic language.

E. Social and Behavioral Sciences (15 hours)

U.S. and Texas History (6 hours): Courses in United States and Texas history that satisfy state law.

U.S. and Texas Government and Politics (6 hours): Courses that satisfy state law requiring 6 semester hours or the equivalent in government or political science that include consideration of the Constitution of the United States and the constitutions of the states, with special emphasis on the Texas Constitution.

Social and Behavioral Science (3 hours): Introductory- or foundation-level treatments of any one or combination of topic areas dealing with the scientific inquiry of human behavior and social systems at the level of individuals, groups, societies, political systems, economic systems, management systems or cultures. Approaches topics from a scientific perspective rather than a historical, philosophical, or applications perspective.

Component Requirement	Lower-Division Course Number	Lower-Division Course Title	Upper-Division Course Number	Upper-Division Course Title
Communication 6 hrs				
3 hrs Composition and Rhetoric	RHET 1302	Composition and Rhetoric	none	none
3 hrs Composition elective	RHET 1300	Introductory Rhetoric	A&H 3300 BA 4305 BA 4309 BIO 3V91 BIO 4V00 BIO 4V99 BIO 4352 BIS 3320 CGS 3340 CHM 4V91 CJS 3301 CS 3390 ECO 3370 EE 4399 GEOG 3370 GOVT 3322 NATS 4310 NSC 4353 PA 3310 PHYS 4399 PSY 3393 SOC 3303 SPAU 3390	<i>Advance writing courses in majors:</i> Reading and Writing Text Social and Political Environments of Business Regulation of Business Undergraduate Research in Biology Seminal Papers in Biology Senior Honors Research in Biology Medical Applications of Cell Biology Nature of Intellectual Inquiry Empirical Methods in Cognitive Science Research in Chemistry Theories of Justice Technical Writing The Global Economy Senior Honors in Electrical Engineering The Global Economy Constitutional Law Advanced Writing in NS&M Neuroscience Laboratory Methods Public Administration Honors Thesis in Physics Experimental Projects Social Theory Clinical Practicum in Speech-Lang. Pathology
Mathematics and Quantitative Methods 6 hrs				
3 hrs College Math	MATH 1300 MATH 1314 MATH 1325 MATH 1471 MATH 2312	Computerized Algebra College Algebra Applied Calculus I Calculus I Pre-calculus	none	none
3 hrs College Math or Quantitative Methods	MATH 1326 MATH 1472 STAT 1342	Applied Calculus II Calculus II Statistical Decision Making	PSY 3392 SOCS 3303	Statistical Methods for Psychology Introduction to Social Statistics

Component Requirement	Lower-Division Course Number	Lower-Division Course Title	Upper-Division Course Number	Upper-Division Course Title
Science 9 hrs				
Including one laboratory course*	BIO 1200 BIO 1300 BIO 1320 BIO 2281 BIO 2301/2101 BIO 2302/2102 CHM 1311/1111 CHM 1312/1112 GEOS 1303/1103 GEOS 1304/1104 NATS 1311/1111 NATS 1312/1112 NATS 2371 PHYS 1301/1101 PHYS 1302/1102 PHYS 2325/2125 PHYS 2326/2126	Issues in Biotechnology Body Systems /Lab* The Microbial World /Lab* Introductory Biology Lab* Intro to Modern Biology I Intro to Modern Biology II General Chemistry I /Lab* General Chemistry II /Lab* Physical Geology /Lab* Intro to Earth History /Lab* From the Cosmos to Earth /Lab* Evolution of Earth and Life /Lab* The Physical World College Physics I /Lab* College Physics II /Lab* Mechanics and Heat /Lab* Electromag. and Waves /Lab*	BIO 3V50 BIO 3318 BIO 3455 GEOS 3101 GEOS 3310 GEOS 3330 GEOS 3350 GEOS 3401 ISGS 4305 ISGS 4308 ISNS 3367 ISNS 3368 ISNS 4359 ISNS 4371 ISNS 4373 NATS 4173 NSC 4361	Biological Basis of Health and Disease Forensic Biology Human Anatomy and Physiology /Lab* Mini-Courses: Coral Reefs, Geologic Time, Geologic Controversies, Glaciers, Global Climate Change, and Gems of the World (or other titles offered under this course number) Environmental Geology Introduction to Fossils Global Change Oceanography /Lab* Humans: Our Place in Nature Bones, Bodies and Disease The Oceans Weather and Climate Earthquakes and Volcanoes The Phenomena of Nature: Forces, Gases ... Our Nearest Neighbors in the Sky Astronomy /Lab* Behavioral Neuroscience
Humanities and Fine Arts 6 hrs				
3 hrs Humanities	A&H 1301	Exploration of the Humanities	HST 3302 HST 3321 HST 3322 HST 4305 LIT 3310 LIT 3311 LIT 3312 LIT 3313 LIT 3314 LIT 3341 LIT 3342	Interpretation in Historical Studies History of Philosophy I History of Philosophy II Ideas and Their History Studies in Epic and Romance The Literature of Fantasy Studies in Prose Narrative Studies in Dramatic Literature Studies in Poetry Studies in Mythology Literature of the Bible
3 hrs Visual and Performing Arts	AP 1301 AP 2310 AP 2311	Exploration of the Arts Survey of Art History: Ancient to Medieval Survey of Art History: Renaissance to Modern	AP 3322 AP 3331 AP 3334 AP 3335	Music in Historical Context Understanding Art Nature of the Theatrical Experience The Creative Process

			AP 3343	Fundamentals of Music
Component Requirement	Lower-Division Course Number	Lower-Division Course Title	Upper-Division Course Number	Upper-Division Course Title
Social and Behavioral Sciences 15 hrs				
6 hrs US and Texas History	HST 1301 HST 2301	Themes and Ideas in American History Issues in American History	HST 3363 HST 3364 HST 3365 HST 3366 HST 3368 HST 3369 HST 3370 HST 3371 HST 3372 HST 3374 HST 3376 HST 3377 HST 3379 HST 3380 HST 3382 HST 3384 HST 3385 HST 3390 HST 4360 HST 4377 HST 4378	History of Texas History of American Religion Reading in Texas History Themes in the Social History of the U.S. Slavery and Race Relations in the U.S. United States Foreign Relations The American Experience in Vietnam Twentieth-Century American Culture Development of American Urban Society American Technological Development American Intel. History, Colonial to Civil War American Intel. History, Civil War to Present United States Relations with Latin America The Nuclear Age in America The United States Since 1945 U.S. Women for Settlement to Present Early African-American History Twentieth-Century African-American History Topics I American Women's History Topics in Early American History Topics in American History
6 hrs US and Texas Government/Politics	GOVT 2305 GOVT 2306	American Government Political Economy of Texas	none	none
3 hrs Social and Behavioral Sciences	CGS 2401 ECO 2301 ECO 2302 GEOG 2301 PSY 1390 PSY 2301 SOC 1301 SOC 2301	Cognitive Science Macroeconomics Microeconomics Social Relations and Spatial Org. Journey of Life Mind and Behavior Introduction to Sociology Race, Gender, and Class	AMS 4379 BA 3361 CJS 3303 CJS 3361 ISGS 4338 PSY 3331 PSY 3334 PSY 3338 PSY 4334 PSY 43XX	Intro to North American Archaeology Organizational Behavior Criminal Justice Crime and Justice Policy Native American Cultures Social Psychology Psychology of Gender Adolescence Lifespan Development Psychology in the Workplace