The following selections have been reviewed as possible graduate level courses meeting Lone Star College-CyFair department criteria for an 18-hour program. Lone Star College does not coordinate the availability or scheduling of the class list below. Course offerings and frequency are determined by the university.

ART HISTORY

Lindenwood University (6 online classes) 18 Hours
Ryan Farmer: rfarmer@lindenwood.edu
https://www.lindenwood.edu/academics/academic-schools/school-of-arts-media-and-communications/art-and-design/art-history-and-visual-culture/graduate-certificate-in-art-history/

Required: (12 credits)

- ARTH 55700 Ancient Art
- ARTH 55800 Medieval Art
- ARTH 56400 Non-Western Art
- ARTH 58300 Renaissance Art

Choose two

- ARTH 55600 Baroque Art
- ARTH 55400 Nineteenth-Century Art
- ARTH 56100 Twentieth-Century Art/Modern
- ARTH 56200 Twentieth-Century Art/Contemporary
- ARTH 56500 History of Photography
- ARTH 56900 History of Graphic Design
- ARTH 58000 History of Digital Art

BIOLOGY/ENVIRONMENTAL

Eligible to teach Biology 1406/1407 and Environmental 1401/1402

University: Texas A&M University-Commerce (6 online classes) 18 Hours
Dayla Burgin Dayla.Burgin@TAMUC.edu
http://www.tamuc.edu/academics/colleges/engineeringAgriculture/departments/BiologicalEnvironmentalSciences/Graduate/default.aspx

Required:

- ENVS 503 Envr Law. Reg., Ethic
- BSC 512* Ecological Genetics
- BSC 527 Human Physiology
- BSC 535 Evolution

Choose two:

- BSC 509 Microbial Ecology
- BSC 510 Community Ecology
- BSC 511 Advanced Ornithology
- BSC 513 Genetic Analysis and Investigation
- BSC 516 Medical Microbiology
- BSC 517 Stem Cell Biology
- BSC 521 Epigenetics
- BSC 525 Advanced Neuroscience
- BSC 530 Virology online
- BSC 531 Biogeography
- BSC 532 Advanced Behavioral Ecology
- BSC 533 Invertebrate Zoology
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- BSC 537  Conservation Behavior
- BSC 540  Animal Behavior
- BSC 550  Microbial Physiology
- BSC 561  Bioremediation

*choose BSC 515 Advanced Cell if available in place of BSC 512

CHEMISTRY

College of St. Scholastica (Choose 6 online classes) 18 Hours
http://www.css.edu/graduate/masters-doctoral-and-professional-programs/areas-of-study/ms-chemistry/graduate-certificate-in-chemistry.html
Joe Rembowicz jrembowicz@css.edu

- CHM 6001  Bonding and Materials
- CHM 6002  Topics in Thermodynamics
- CHM 6003  Advanced Spectroscopy
- CHM 6004  Chemical Information and Communication
- CHM 6005  Topics in Kinetics
- CHM 6101  Medical Biochemistry
- CHM 6102  Bioanalytical Chemistry
- CHM 6104  Energy and Environment
- CHM 6105  Introduction to Computational Chemistry
- CHM 6107  Advanced Instrumentation and Analysis
- CHM 6108  Analytical Electrochemistry
- CHM 6109  Advanced Separations
- CHM 6110  Advanced Pharmaceutical Chemistry
- CHM 6111  Chemistry of the Elements
- CHM 6113  Organometallic Reaction and Structures

Computer Science

University: Texas A&M University-Commerce (6 online classes) 18 Hours
http://coursecatalog.tamuc.edu/grad/colleges-and-departments/science-engineering/computer-science-information-systems/computer-science-ms/

- CSCI 520  Data Structures and Algorithm Analysis
- CSCI 524  Analysis & Design Softwr Sys
- CSCI 532  Algorithm Design
- CSCI 538  Artificial Intelligence
- CSCI 540  Computer Architecture
- CSCI 548  Software Testing
- CSCI 549  Automata Theory
- CSCI 573  Big Data Computing and Analytics
- CSCI 574  Machine Learning

Pre-Approval from Lone Star College-CyFair is required before starting this program. Please send your Resume to Brenda Piatia at Brenda.Piatia@lonestar.edu.

ECONOMICS
West Texas A&M University (Choose 6 online classes) 18 Hours
http://www.wtamu.edu/academics/finance-economics-graduate-program.aspx
Dr. Rex Pjesky rpjesky@wtamu.edu

Required: (9 credits)
- ECON 6305 Seminar in Advance Microeconomic Theory
- ECON 6306 Seminar in Advance Macroeconomic Theory
- ECON 6312 Seminar in Money and Banking

Choose Three
- ECON 6370 Economics of Health and Medical Care
- ECON 6341 Seminar in International Economics and Economic Development
- ECON 6372 Current Issues in Industrial Organization
- ECON 6332 Problems in Government Finance and Fiscal Policy
- ECON 6308 Seminar in Analytics Data
- ECON 6362 Advanced Business Forecasting
- ECON 6352 Environmental Policy Issue

ENGLISH
University of Houston-Downtown (6 online and face to face) 18 Hours
Michael Dimmick dimmickm@uhd.edu

- ENGL 5317 Rhetorical Theory & Criticism
- ENGL 5301 Contemporary Composition Theory
- ENGL 5302 Multicultural Composition Studies
- ENGL 5327 Teaching College Writing Practicum
- ENGL Electives: Two/3-hour selected courses in the Master of Arts Rhetoric & Composition (MARC) program, such as Theories of Developmental Writing & Reading, Strategies for Writing Assessment, Studies in Literacy. All evening courses meet once per week during the Fall and Spring semesters. Summer session times may vary. Part-time and full-time options available.

University of Texas of the Permian Basin (6 online) 18 Hours
https://www.utpb.edu/cas/academic-departments/literature-and-languages-department/english-program/index
Marlon Fick fick_m@utpb.edu

Required: (9 credits)
- ENGL 6357 Writing Center Theory and Practice
- ENGL 6372 Rhetoric and Composition
- ENGL 6353 Topics in Poetry or ENGL 6377 History of Poetics

American Literature-Choose one of the following: (3)
- ENGL 6304 American Literature, 1900-1945
- ENGL 6305 American Literature, 1945 to the Present

British Literature-Choose one of the following: (3)
- ENGL 6323 British Literature, 19th Century
- ENGL 6324 British Literature, 1900 to the Present

LoneStar.edu/plus18-cyfair
Brenda.Piatiak@Lonestar.edu
June 7, 2021
Choose one additional course: (3)

- ENGL 6352 Topics in Drama (in British, including Shakespearean)
- ENGL 6369 Studies in a Major Author (if a British author) ENGL 6368 Hamlet
- ENGL 6390 Directed Reading (focus on Comp/Rhet, Brit Lit, or teaching the discipline in higher ed.)
- ENGL 6391 Contract Study (focus on Comp/Rhet, Brit Lit, or teaching the discipline in higher ed.)
- ENGL 6323 British Literature, 19th Century or ENGL 6324 British Literature, 1900 to the Present if not chosen above

Other courses may be substituted with approval. Some courses are only offered online with advanced notice of demand.

Sam Houston State University (Choose 6 online classes) 18 hours
https://www.shsu.edu/programs/certificate/english/
Dr. Diane Dowdey dowdey@shsu.edu

Required- Choose four (12 credits)

- ENGL 5301 Grad Rsrch: Methods & Theories
- ENGL 5302 Literary Theory
- ENGL 5335 Workshop in Teaching Theory
- ENGL 5384 Rhetoric & Composition
- ENGL 5313 Studies in Technical Communication

American Literature -Choose one of the following:

- ENGL 5306 American Literature, Pre-Civil War
- ENGL 5307 American Literature, Post Civil War
- ENGL 5308 US Ethnic Literature

British Literature-Choose one of the following:

- ENGL 5309 British Lit Pre-Industrial
- ENGL 5310 British Lit Post-Industrial
- ENGL 5311 Anglophone Literature of the British Commonwealth
- ENGL 6300* Special Topics

Special Topics course must be preapproved by LSC-CyFair English Department Chair

GOVT/POLITICAL SCIENCE

Sam Houston State University (6 online classes) 18 Hours
https://www.shsu.edu/programs/certificate/political-science/
Jonathan Brown jnb047@SHSU.EDU

Choose One

- POLS 5330 American Politics
- POLS 5371 Comparative Politics
- POLS 5373 International Politics

Choose Five

- POLS 5319 Women in Politics
- POLS 5330 American Politics*
- POLS 5334 Judicial Politics
- POLS 5336 The U.S. Presidency
- POLS 5337 The U.S. Congress
- POLS 5339 American Political Parties
- POLS 5340 Political Attitudes & Behavior
- POLS 5360 Seminar in American Politics
- POLS 5364 Media & Politics
- POLS 5371 Comparative Politics*

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- POLS 5373  International Relations*
- POLS 5379  Workshop: Teaching Political Sci
- POLS5385  Public Policy
* If not previously taken as required course.

HISTORY
Sam Houston State University (6 online classes) 18 Hours
http://catalog.shsu.edu/graduate-and-professional/college-departments/humanities-social-sciences/history/american-history-certificate/#curriculumtext
Ben Park bep013@SHSU.EDU
- HIST 5370  Colonial America
- HIST 5371  Revolutionary America
- HIST 5372  Early National America
- HIST 5373  The Am Civil War & Reconstruct
- HIST 5375  Recent America, 1876-1933
- HIST 5376  Contemporary Amer, 1933 present

University of Houston-Downtown (6 online classes) 18 Hours
https://www.uhd.edu/academics/humanities/graduate-programs/Pages/Graduate-Certificate-in-History.aspx
David Ryden RydenD@uhd.edu
- HIST 5304  From Colonization to Revolution, 1607 – ca. 1800
- HIST 5321  Studies in Mexican American History
- HIST 5331  History and Nostalgia: Historical Interpretation and the Culture Wars
- HIST 6302  Seminar in U.S. History
- HIST 6303  Seminar in Texas History
- HIST 6304  Slavery and Freedom in the United States

Kinesiology
Texas A&M University-Corpus Christi (Choose 6 online classes) 18 Hours
http://gradcollege.tamucc.edu/degrees/education/kinesiology.html
Frank Spaniol frank.spaniol@tamucc.edu
- KINE 5312  Sport Physiology
- KINE 5327  Sport Biomechanics
- KINE 5306  Sport Nutrition
- KINE 5313  Assessment and Evaluation of Athletic Performance
- KINE 5314  Principles of Strength and Conditioning
- KINE 5325  Program Design for Resistance Training
- KINE 5338  Motor Development in Sport

Semesters are divided into two terms. Classes are 7 weeks long.

MATH
University of Houston (Choose 6 online classes) 18 Hours
http://www.uh.edu/nsm/math/graduate/taking-graduate-courses/
Dr. Ilya Timofeyev ilya@math.uh.edu
- MATH 5310  History of Math
- MATH 5330  Abstract Algebra
- MATH 5331  Linear Algebra with Applications
- MATH 5332  Differential Equations
- MATH 5333  Analysis
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- MATH 5334  Complex Analysis
- MATH 5336  Discrete Mathematics
- MATH 5337  Models of Computation
- MATH 5341  Mathematical Modeling
- MATH 5350  Introduction to Differential Geometry
- MATH 5379  Axiomatic Geometry
- MATH 5382  Probability
- MATH 5383  Number Theory
- MATH 5385  Statistics
- MATH 5386  Regression and Linear Models
- MATH 5389  Survey of Mathematics

University of Houston-Downtown (Choose 6 most evening face to face) 18 Hours certificate available
Dr. DeLaVina msda@ud.edu
*as part of other programs*
- MATH 5301  Advanced Numerical Methods
- MATH 5302  Mathematical Statistics
- MATH 5305  Complex Variables and Applications
- MATH 5306  Modern Algebra
- MATH 5307  Analysis
- MATH 5310  Statistical Foundations for Data Analytics
- MATH 5311  Multivariate Analysis and Nonparametric Statistics
- MATH 5312  History of Applied Mathematics
- MATH 5314  Differential Geometry
- MATH 5314  Mathematical Modeling
- MATH 5316  Applied Regression Analysis
- MATH 6322  Graph Theory

PSYCHOLOGY
Tiffin University (6 online classes) 18 Hours
https://go.tiffin.edu/masters-programs/master-of-science/psychology/
Zac Ball ballz@tiffin.edu
Required:
- PSY 541  History and Systems of Psychology
- PSY 543  Developmental Psychology
- PSY 545  Advanced Theories of Personality
- PSY 546  Psychopathology
- PSY 621  Social Psychology
- PSY 631  Neuropsychology
  * Semesters are divided into two terms. Classes are 7 weeks long. All of the classes are offered once per semester.

SOCIOLOGY
Sam Houston State University (Choose 6 online classes*) 18 Hours
https://www.shsu.edu/programs/graduate/sociology/
J. Bart Styles jstykes@shsu.edu
- SOCI 5310  Seminar in Sociological Theory*
- SOCI 5312  Seminar Sociological Research*
- SOCI 5314  Social Statistics
- SOCI 5376  Applied Research Methods
- SOCI 6098  Thesis Practicum (Professional Paper)
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- SOCI 5313 Qualitative Methods
- SOCI 5319 Sociology of Entrepreneurship*
- SOCI 5320 Sociology of Community*
- SOCI 5321 Cultural Sociology
- SOCI 5322 Seminar in Medical Sociology*
- SOCI 5324 Seminar in Social Change & Dev*
- SOCI 5325 Seminar in Food and Society*
- SOCI 5331 Sociology of The Family*
- SOCI 5333 Sociology of Religion*
- SOCI 5337 Gender and Society*
- SOCI 5338 Sociology of Disasters*
- SOCI 5351 Seminar-Environment Sociology*
- SOCI 5353 Seminar in Race and Ethnic Stu*
- SOCI 5355 Seminar in Social Inequality*
- SOCI 5378 Tchnq-Rsrch Propsl Wrt/Soc Sci
- SOCI 5380 Social Impct Assmt & Prog Eval
- SOCI 5386 The Sociology of Aging*
- SOCI 6360 Seminar in Sociology

*Classes are part of the Sam Houston State University Graduate Certificate program.

SPEECH

University of Houston (Choose 6 Face to Face classes) 18 Hours
https://uh.edu/class/communication/

Dr. Jennifer Vardeman jvardeman@uh.edu
- COMM 6308 Persuasion
- COMM 6309 Propaganda
- COMM 6320 Organizational Communication
- COMM 6325 Intercultural Communication and Organizations
- COMM 6326 Leadership Communication
- COMM 6330 Interpersonal Communication
- COMM 6334 Family Communication
- COMM 6335 Health Comm. Theory & Research
- COMM 6336 Communication in Healthcare Context
- COMM 6337 EHealth and Telemedicine
- COMM 6338 Health Literacy
- COMM 6339 Multicultural Health Communication
- COMM 6345 Health Campaigns
- COMM 6350 Social Media Impact and Implications
- COMM 6376 Seminar in Crisis Communication

Up to 6 hours of “research” or “thesis” classes. Check for approval on “research” or “thesis” course

Sam Houston State University (Choose 6 online classes) 18 Hours
https://www.shsu.edu/programs/graduate/communication-studies/

- COMS 5331 Com Studies Methods & Research
- COMS 5335 Advanced Communication Theory
- COMS 5350 Computer Mediated Communication
- COMS 5360 Adv Interpersonal Communication
- COMS 5361 Dark Side of Communication
- COMS 5362 Advanced Intercultural Communication
- COMS 5363 Interpersonal Conflict

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- COMS 5370  Health Communication
- COMS 5371  Sex & Gender in Communication
- COMS 5375  Grad Readings in Communication
- COMS 5380  Advanced Family Communication
- COMS 5381  Intergenerational Family Communication
- COMS 5382  Dark Side of Family Communication
- COMS 5390  Seminar in Interpersonal Communication
- COMS 5391  Seminar in Family Communication
- COMS 5395  Social Support and Well-Being
- COMS 5396  Risk Communication
- COMS 5397  Persuasion & Social Influence

Up to 6 hours of “research” or “thesis” classes. Check for approval on “research” or “thesis” courses. COMS 5332 is not included in the Plus-18 list.