PLUS-18 PARTNERSHIP

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 certificate available
Alexis Wood AWood2@lindenwood.edu

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 55300 Eighteenth-Century 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

University: Texas A&M University-Commerce (6 online classes) 18 Hours
Dayla Burgin Dayla.Burgin@TAMUC.edu

Required: (9 credits)
- BSC 512* Ecological Genetics
- BSC 527 Human Physiology
- BSC 535 Evolution

Choose three: (9 credits)
- 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
- BSC 531 Biogeography
- BSC 532 Advanced Behavioral Ecology
- BSC 533 Invertebrate Zoology
- 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
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Biology and Environmental (5 online Biology and 1 online environmental) 18 Hours

University: Texas A&M University-Commerce
Dayla Burgin Dayla.Burgin@TAMUC.edu

Required: (9 credits)
- BSC 512* Ecological Genetics
- BSC 527 Human Physiology
- BSC 535 Evolution

Choose two: (6 credits)
- 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
- BSC 531 Biogeography
- BSC 532 Advanced Behavioral Ecology
- BSC 533 Invertebrate Zoology
- 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

Choose one: (3 credits)
Tarleton State University or University of Houston Clear Lake

Tarleton State University
- ENVS 5390 Climate Policy
- BIOL 5350 Environmental Microbiology
- ENVS 5310- Environmental Geology
- ENVS 5345- Advanced Oceanography
- ENVS 5460- Applied Remote Sensing
- ENVS 5313- Sustainability Policy
- ENVS 5362- Environmental Policy
- ENVS 5301- International Environmental issues
- ENVS 5370 Research & Analytical Methods

University of Houston- Clear Lake
- ENVR 6133 Environmental Risk Management
- ENVR 5535 Sampling & Analysis of Env Contaminants
- ENVR 5331 Environmental Econ
PLUS-18 PARTNERSHIP

CHEMISTRY

**College of St. Scholastica** (6 online classes) 18 Hours  certificate available

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 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 Separation
- 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

- CSCI 520 Data Structures and Algorithm Analysis
- CSCI 524 Analysis & Design Software Sys
- CSCI 532 Algorithm Design
- CSCI 538 Artificial Intelligence
- CSCI 540 Computer Architecture
- 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 Piatik at Brenda.Piatik@lonestar.edu

ECONOMICS

**West Texas A&M University** (6 online classes) 18 Hours

Dr. Rex Pjesky rpjesky@wtamu.edu

**Required: (9 credits)**

- ECON 6305 Seminar in Advanced Microeconomic Theory
- ECON 6306 Seminar in Advanced Macroeconomic Theory
- ECON 6312 Seminar in Money and Banking

**Choose Three**

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

Tarleton State University (6 online classes) 18 Hours
Dr. Jeanelle Barrett jbarrett@tarleton.edu

Required: (3 hours)
- ENGL 5380 Studies in the Teaching of Composition (Spring semester)

Choose one (3 hours)
- ENGL 5328 Ethics in Technical and Professional
- ENGL 5396 Digital Humanities
- ENGL 5398 Methods of Bibliography and Research Analysis (Fall semester)

Choose two (6 hours)
- ENGL 5314: Literary Theory
- ENGL 5330: Studies in Rhetoric
- ENGL 5331: History of Rhetoric
- ENGL 5332: History of Rhetoric II
- ENGL 5333: Rhetorical Criticism
- ENGL 5334: Intro to Visual Rhetoric

Choose two (6 hours)
- ENGL 5310 Studies in American Literature
- ENGL 5312: Studies in British Literature
- ENGL 5316: African American Literature
- ENGL 5318: Women's Literature
- ENGL 5340: Studies in Modern Fiction
- ENGL 5350: Studies in Literature Before 1500
- ENGL 5360: Modern American and British Poetry

Sam Houston State University (6 online classes) 18 hours
Dr. Diane Dowdey dowdey@shsu.edu

Required: Choose four (12 credits)
- ENGL 5301 Grad Rsrch: Methods & Theories
- ENGL 5302 Literary Theory
- ENGL 5313 Studies in Technical Communication
- ENGL 5335 Workshop in Teaching Theory
- ENGL 5384 Rhetoric & Composition

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 the LSC-CyFair English Department Chair
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GOVT/POLITICAL SCIENCE

Sam Houston State University (6 online classes) 18 Hours certificate available

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 5340 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*
- 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 certificate available

Ben Park bep013@SHSU.EDU

- HIST 5370 Colonial America
- HIST 5371 Revolutionary America
- HIST 5372 Early National America
- HIST 5373 The American Civil War and Reconstruct
- HSIT 5375 Recent America, 1876-1933
- HIST 5376 Contemporary Amer, 1933 – present

University of Houston-Downtown (6 online classes) 18 Hours certificate available

David Ryden RydenD@uhd.edu

- HIST 5302 Research Seminar in the United States
- HIST 5303 U.S. Policy towards Latin America
- HIST 5304 From Colonization to Revolution, 1607-ca. 1800
- HIST 5321 Studies in Mexican American History
- HIST 5329 Seminar in United States Women’s History
- HIST 5331 History and Nostalgia: Historical Interpretation and Culture Wars
- HIST 5332 Seminar in United States Civil Rights History
- HIST 5355 U.S. Military History
- HIST 6302 Seminar in U.S. History
- HIST 6303 Seminar in Texas History
- HIST 6304 Slavery and Freedom in the United States
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Kinesiology
Texas A&M University-Corpus Christi (Choose 6 online classes) 18 Hours
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
Dr. Fitzgibbon fitz@uh.edu
- MATH 5310 History of Math
- MATH 5330 Abstract Algebra
- MATH 5331 Linear Algebra with Applications
- MATH 5332 Differential Equations
- MATH 5333 Analysis
- 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

PHYSICS
Indiana Wesleyan University (6 online classes) 18 Hours
Sarah Martin Sarah.martin3@indwes.edu
Required:
- PHYS 501 Mathematical Methods for Physics
- PHYS 502 Classical Mechanics
- PHYS 503 Electromagnetism
- PHYS 504 Quantum Mechanics I
- PHYS 505 Quantum Mechanics II
- PHYS 506 Modern Physics
Classes are 8 weeks long. PHSY 501 is a prerequisite for all other courses. PHSY 501 must be at the beginning of each program, which starts August, January, and May.
PSYCHOLOGY

**Tiffin University** (6 online classes) 18 Hours
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 classes offered once per semester.

SOCIOMETRY

**Sam Houston State University** (Choose 6 online classes*) 18 Hours
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)
- 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 Impact 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/COMMUNICATION

**Arizona State University** (Choose 6 online classes) 18 Hours
Patrick McDonald Patrick.G.McDonald@asu.edu

- COM 501 Research Methods in Comm
- COM 504 Theories and Models in Comm
- COM 514 Communication and Gender
- COM 515 Comm in the Workplace
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- COM 517  *Comm and Conflict Transformation*  
- COM 518  Comm in Global Contexts  
- COM 519  Social Influence and Persuasion  
- COM 520  Crisis Management and Comm  
- COM 521  *Negotiation Theory and Practice**  
- COM 598  Health Communication and Social change  

* This is a simulation course. There is an additional out-of-pocket fee of $99.  
** This is a simulation course. There is an additional out-of-pocket fee of $199.  

ASU students will receive a 50% discount when discount code is applied at time of registration. For details contact Brenda.Piatedk@lonestar.edu before registering for the simulation courses.

Sam Houston State University  (Choose 6 online classes)  18 Hours

- 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  
- 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. COMS5332 is not included in the Plus-18 list.