

10. UNIVERSITY COLLEGE

The University College offers students the opportunity to realize their potential for academic success and ensure they have the opportunity to enrich their experience at the University through student development programs. The University College houses the Academic Inquiry and Scholarship, the Writing Program, and the Reserve Officer Training Corps (ROTC) Programs. The University College also offers the Bachelor of Arts degree in Multidisciplinary Studies, the Bachelor of Science degree in Multidisciplinary Studies, and partners with other University offices to offer coursework that is accessible to students from all majors.

- B.A. degree in Multidisciplinary Studies (p. 1)
- B.A. degree in Multidisciplinary Studies Online (p. 1)
- B.S. degree in Multidisciplinary Studies (p. 3)

Bachelor of Arts Degree in Multidisciplinary Studies

The Bachelor of Arts (B.A.) degree in Multidisciplinary Studies is a multidisciplinary degree which allows students much flexibility in designing degree programs that relate to their personal academic and career goals. Students will complete the University Core Curriculum requirements and take a cohesive set of courses from three different disciplinary areas.

The B.A. degree in Multidisciplinary Studies is also offered in a 100 percent online format (<https://online.utsa.edu/>). Students pursuing the 100 percent online format must fulfill all degree requirements in the same manner as residential students. The following disciplinary areas are available to online students: Business, Data Science, Health, Sociology, and Communication.

The Multidisciplinary Studies major permits an interdisciplinary approach to education, allowing students the opportunity to acquire a well-rounded educational background and problem-solving skills. The objectives of the program are to develop students that have a solid foundation in the content material of three different disciplines and are skilled in communication, critical thinking and analysis, investigating and solving problems, managing tasks, and relating to others. The program allows students to develop academic themes or topics that fall outside the usual disciplinary boundaries. The degree program will provide a vehicle to achieve baccalaureate degrees for those students whose interests lie in multiple areas.

This degree program is meant to encourage and support creativity, innovation, critical thinking, and integrative learning. The multidisciplinary nature of the program is designed to develop students' ability to combine different fields into a structured format. Since the program involves coursework from departments across the University, it offers students opportunities to capitalize upon diverse personal interests and talents through a combination of study and academic experiences appropriate to meet their educational and long-term career goals.

The minimum number of semester credit hours required for this degree is 120, including Core Curriculum requirement hours. Thirty-nine of the 120 total semester credit hours required for the degree must be at the upper-division level.

Students receiving a Bachelor of Arts degree in Multidisciplinary Studies may not receive a double major or a minor.

All candidates seeking this degree must fulfill the Core Curriculum requirements and the degree requirements, which are listed below.

Core Curriculum Requirements (42 semester credit hours)

Students seeking the B.A. degree in Multidisciplinary Studies must fulfill University Core Curriculum requirements in the same manner as other students. If courses are taken to satisfy both degree requirements and Core Curriculum requirements, then students may need to take additional courses in order to meet the minimum number of semester credit hours required for this degree.

Core Curriculum Component Area Requirements (<http://catalog.utsa.edu/undergraduate/bachelorsdegreeregulations/degerequirements/corecurriculumcomponentarearequirements/>)

First Year Experience Requirement	3
Communication	6
Mathematics	3
Life and Physical Sciences	6
Language, Philosophy and Culture	3
Creative Arts	3
American History	6
Government-Political Science	6
Social and Behavioral Sciences	3
Component Area Option	3
Total Credit Hours	42

Degree Requirements

All candidates for the B.A. degree in Multidisciplinary Studies must complete the following 51 semester credit hours.

Code	Title	Credit Hours
A. Multidisciplinary Studies Foundation Courses		
Technology Requirement. Select one of the following:		3
CS 1063	Introduction to Computer Programming I	
CS 1083	Programming I for Computer Scientists	
CS 1173	Data Analysis and Visualization	
DS 4003	Introduction to Data Science	
DS 4013	Programming for Data Science	
IS 1413	Excel for Business Information Systems	
IS 2053	Programming Languages I with Scripting	
Communications Requirement. Select one of the following:		3
COM 1043	Introduction to Communication	
COM 1053	Business and Professional Speech	
COM 2113	Public Speaking	
COM 2343	Introduction to Mass Communication	
COM 2733	Introduction to Digital Communication	
ENG 2413	Technical Writing	

B. Multidisciplinary Studies Fields of Study

All candidates for the degree must select courses to satisfy the requirements of the following three focus areas based on three distinct disciplines: 39

1. Focus Area One: 15 semester credit hours of courses within a single discipline, content area, or certificate program with at least 9 hours at the upper-division level.

2. Focus Area Two: 12 semester credit hours of courses within a single discipline, content area, or certificate program with at least 6 hours at the upper-division level.

3. Focus Area Three: 12 semester credit hours of courses within a single discipline, content area, or certificate program with at least 6 hours at the upper-division level.

Courses selected to satisfy a focus area must be approved by the Multidisciplinary Studies Program Director. Furthermore, the courses used to satisfy each focus area must be completed with at least a 2.00 grade point average. At least one focus area must be selected from a discipline offered by the College of Liberal and Fine Arts or the College of Sciences.

C. Multidisciplinary Studies Courses

MDS 2013	Introduction to Multidisciplinary Studies	3
MDS 4983	Senior Seminar for Multidisciplinary Studies	3

D. Free Electives 27

All candidates for this degree must complete 27 semester hours of free electives, at least 15 of which must be at the upper-division level.

Total Credit Hours 78

Course Sequence Guide for B.A. Degree in Multidisciplinary Studies

This course sequence guide is designed to assist students in completing their UTSA undergraduate Multidisciplinary Studies degree requirements. *This is merely a guide and students must satisfy other requirements of this catalog and meet with their academic advisor for individualized degree plans.* Progress within this guide depends upon such factors as course availability, individual student academic preparation, student time management, work obligations, and individual financial considerations. Students may choose to take courses during Summer terms to reduce course loads during long semesters.

B.A. in Multidisciplinary Studies – Four-Year Academic Plan

First Year

Fall		Credit Hours
AIS 1203	Academic Inquiry and Scholarship (core)	3
HIS 1043 or HIS 1053 or HIS 2053	United States History: Pre-Columbus to Civil War Era (core) or United States History: Civil War Era to Present or Texas History	3
MDS 2013	Introduction to Multidisciplinary Studies	3
WRC 1013	Freshman Composition I (core)	3
Mathematics (core)		3
Credit Hours		15

Spring

HIS 1043 or HIS 1053 or HIS 2053	United States History: Pre-Columbus to Civil War Era (core) or United States History: Civil War Era to Present or Texas History	3
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CS 1063 or CS 1083 or IS 1413	Introduction to Computer Programming I or Programming I for Computer Scientists or Excel for Business Information Systems	3
WRC 1023	Freshman Composition II (core)	3
Focus Area 1 lower-division course		3
Life & Physical Sciences (core)		3
Credit Hours		15

Second Year

Fall

COM 1043 or COM 1053 or COM 2113 or ENG 2413	Introduction to Communication or Business and Professional Speech or Public Speaking or Technical Writing	3
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POL 1013	Introduction to American Politics (core)	3
Focus Area 2 lower-division course		3
Focus Area 3 lower-division course		3
Life & Physical Sciences (core)		3
Credit Hours		15

Spring

POL 1133 or POL 1213	Texas Politics and Society (core) or Civil Rights in Texas and America	3
Focus Area 1 lower-division course		3
Focus Area 2 lower-division course		3
Creative Arts (core)		3
Language, Philosophy & Culture (core)		3
Credit Hours		15

Third Year

Fall

Focus Area 1 upper-division course		3
Focus Area 2 upper-division course		3
Focus Area 3 lower-division course		3
Social and Behavioral Sciences (core)		3
Component Area Option (core)		3
Credit Hours		15

Spring

Focus Area 1 upper-division course		3
Focus Area 2 upper-division course		3
Focus Area 3 upper-division course		3
Free elective		3
Free elective		3
Credit Hours		15

Fourth Year

Fall

Focus Area 1 upper-division course		3
Focus Area 3 upper-division course		3
Free elective (upper division)		3
Free elective		3

Free elective (upper division)	3
Credit Hours	15
Spring	
MDS 4983 Senior Seminar for Multidisciplinary Studies	3
Free elective	3
Free elective (upper division)	3
Free elective (upper division)	3
Free elective (upper division)	3
Credit Hours	15
Total Credit Hours	120

Bachelor of Science Degree in Multidisciplinary Studies

The Bachelor of Science (B.S.) degree in Multidisciplinary Studies allows students to develop a degree program around academic themes or niche areas, such as Artificial Intelligence, Cyber Intelligence, Data Science, and Geoinformatics (<https://www.utsa.edu/uc/mdst/interdisciplinary.html>), that fall outside traditional disciplinary boundaries and helps support student achievement of their personal academic and career goals. Students will complete the University Core Curriculum requirements and take a cohesive set of courses from three different disciplinary areas, one of which must be housed in the College of Sciences, or the College of Engineering and Integrated Design, or be STEM oriented.

The objectives of the program are to develop students that have a solid foundation in the content material of three different disciplines and are skilled in communication, critical thinking and analysis, investigating and solving problems, managing tasks, and relating to others. The degree program will provide a vehicle for students whose interests lie in multiple areas.

Students selecting the Multidisciplinary Studies major will be expected to achieve the following learning outcomes:

1. Ability to gather information and demonstrate an understanding of concepts and principles from three different fields of study.
2. Ability to apply concepts from three areas of focus and demonstrate their mastery of the knowledge and skills in a capstone course.
3. Ability to show through a final project that they have integrated different areas of study in order to examine a question, problem, or phenomenon.
4. Ability to demonstrate communication and computer competencies.

The minimum number of semester credit hours required for this degree is 120, including Core Curriculum requirement hours. Thirty-nine of the 120 total semester credit hours required for the degree must be at the upper-division level.

Students receiving a Bachelor of Science degree in Multidisciplinary Studies may not receive a double major or a minor.

Core Curriculum Requirements (42 semester credit hours)

Students seeking the B.S. degree in Multidisciplinary Studies must fulfill University Core Curriculum requirements in the same manner as other students. If courses are taken to satisfy both degree requirements and Core Curriculum requirements, then students may need to take additional

courses in order to meet the minimum number of semester credit hours required for this degree.

Core Curriculum Component Area Requirements (<http://catalog.utsa.edu/undergraduate/bachelorsdegreeregulations/degrequirements/corecurriculumcomponentarearequirements/>)

First Year Experience Requirement	3
Communication	6
Mathematics	3
Life and Physical Sciences	6
Language, Philosophy and Culture	3
Creative Arts	3
American History	6
Government-Political Science	6
Social and Behavioral Sciences	3
Component Area Option	3
Total Credit Hours	42

Degree Requirements

All candidates for the B.S. degree in Multidisciplinary Studies must complete the following 69 semester credit hours.

Code	Title	Credit Hours
A. Multidisciplinary Studies Foundation Courses		
Technology Requirement. Select one of the following:		3
CS 1063	Introduction to Computer Programming I	
CS 1083	Programming I for Computer Scientists	
CS 1173	Data Analysis and Visualization	
DS 4003	Introduction to Data Science	
DS 4013	Programming for Data Science	
IS 1413	Excel for Business Information Systems	
IS 2053	Programming Languages I with Scripting	
Communications Requirement. Select one of the following:		3
COM 1043	Introduction to Communication	
COM 1053	Business and Professional Speech	
COM 2113	Public Speaking	
COM 2343	Introduction to Mass Communication	
COM 2733	Introduction to Digital Communication	
ENG 2413	Technical Writing	

B. Multidisciplinary Studies Fields of Study

All candidates for the degree must select courses to satisfy the requirements of the following three focus areas based on three distinct disciplines: 57

1. Focus Area One: 21 semester credit hours of courses within a single discipline with at least 9 hours at the upper-division level.
2. Focus Area Two: 18 semester credit hours of courses within a single discipline with at least 9 hours at the upper-division level.
3. Focus Area Three: 18 semester credit hours of courses within a single discipline with at least 9 hours at the upper-division level.

Courses selected to satisfy a focus area must be approved by the Multidisciplinary Studies Program Director. Furthermore, the courses used to satisfy each focus area must be completed with at least a 2.00 grade point average. At least one focus area must be selected from a discipline offered by the College of Sciences or the College of Engineering.

C. Multidisciplinary Studies Courses

MDS 2023	Introduction to Multidisciplinary Studies	3
MDS 4983	Senior Seminar for Multidisciplinary Studies	3

D. Free Electives 9

All candidates for this degree must complete 9 semester hours of free electives, at least 6 of which must be at the upper-division level.

Total Credit Hours 78

Course Sequence Guide for B.S. Degree in Multidisciplinary Studies

This course sequence guide is designed to assist students in completing their UTSA undergraduate Multidisciplinary Studies degree requirements.

This is merely a guide and students must satisfy other requirements of this catalog and meet with their academic advisor for individualized degree plans. Progress within this guide depends upon such factors as course availability, individual student academic preparation, student time management, work obligations, and individual financial considerations. Students may choose to take courses during Summer terms to reduce course loads during long semesters.

B.S. in Multidisciplinary Studies – Four-Year Academic Plan

First Year

Fall		Credit Hours
AIS 1203	Academic Inquiry and Scholarship (core)	3
HIS 1043 or HIS 1053 or HIS 2053	United States History: Pre-Columbus to Civil War Era (core) or United States History: Civil War Era to Present or Texas History	3
CS 1063 or IS 1413	Introduction to Computer Programming I or Excel for Business Information Systems	3
WRC 1013	Freshman Composition I (core)	3
Mathematics (core)		3
Credit Hours		15

Spring

WRC 1023	Freshman Composition II (core)	3
Focus Area 1 lower-division course		3
Focus Area 1 Lower-division course		3
Focus Area 2 lower-division course		3
Free elective		3
Credit Hours		15

Second Year

Fall		
COM 1043 or COM 1053 or COM 2113 or ENG 2413	Introduction to Communication or Business and Professional Speech or Public Speaking or Technical Writing	3
Focus Area 1 lower-division course		3
Focus Area 2 lower-division course		3
Focus Area 3 lower-division course		3

Free elective		3
Credit Hours		15

Spring

MDS 2023	Introduction to Multidisciplinary Studies	3
POL 1013	Introduction to American Politics (core)	3
Focus Area 1 lower-division course		3
Focus Area 2 lower-division course		3
Focus Area 3 lower-division course		3
Credit Hours		15

Third Year**Fall**

POL 1133 or POL 1213	Texas Politics and Society (core) or Civil Rights in Texas and America	3
Focus Area 1 upper-division course		3
Focus Area 2 upper-division course		3
Focus Area 3 upper-division course		3
Life & Physical Sciences (core)		3
Credit Hours		15

Spring

HIS 1043 or HIS 1053 or HIS 2053	United States History: Pre-Columbus to Civil War Era (core) or United States History: Civil War Era to Present or Texas History	3
Focus Area 1 upper-division course		3
Focus Area 3 upper-division course		3
Life & Physical Sciences (core)		3
Free elective		3
Credit Hours		15

Fourth Year**Fall**

Focus Area 1 upper-division course		3
Focus Area 2 upper-division course		3
Focus Area 3 upper-division course		3
Social & Behavioral Sciences (core)		3
Creative Arts (core)		3
Credit Hours		15

Spring

MDS 4983	Senior Seminar for Multidisciplinary Studies	3
Focus Area 2 upper-division course		3
Focus Area 3 upper-division course		3
Component Area Option (core)		3
Language, Philosophy, & Culture (core)		3
Credit Hours		15
Total Credit Hours		120

- Certificate in Community Engaged Leadership (p. 5)
- Certificate in Legal Studies (p. 5)
- Certificate in Data Science (p. 6)

Certificate in Community Engaged Leadership

The Certificate in Community Engaged Leadership is open to all majors in the University. The certificate integrates coursework with experiential learning opportunities within UTSA, San Antonio, and Bexar County communities, in order to foster knowledge, understanding, skills, and virtues of community leaders.

Students pursuing the Certificate in Community Engaged Leadership must complete 15 semester credit hours:

Code	Title	Credit Hours
A. Required course:		
UCS 4013	UTSA Advanced Engagement	3
B. Service-learning/community engaged learning designated electives:		12
12 semester credit hours of electives from service-learning designated courses or non-designated courses with the approval from the faculty, Director of the Center for Civic Engagement, and Associate Dean for Undergraduate Programs in University College.		
At least 6 of the 12 semester credit hours of electives must be earned from the service-learning designated courses. Approval of the non-designated courses as electives will be based on the service-learning hours and a requirement to complete a service-learning project.		
C. Civic Engagement Summit or UTSA Undergraduate Research Showcase:		
Participation in at least one Civic Engagement Summit, UTSA Undergraduate Research Showcase or other approved event.		
Total Credit Hours		15

Certificate in Legal Studies

The Certificate in Legal Studies is open to all majors in the University. The certificate offers courses to assist students hone their analytical reasoning, logic, and writing skills; give exposure to the law; and gain experiential learning, with the opportunity to develop the American Bar Association (ABA) recommended skills to pursue a legal education.

Students pursuing the Certificate in Legal Studies must complete 15 semester credit hours:

Code	Title	Credit Hours
A. Required courses:		
PHI 2043	Introductory Logic	9
UCS 4933	Internship in Prelaw Studies	
or PAL 4933	Internship in Politics and Law	
or POL 4933	Internship in Political Science	
WRC 3013	Writing Strategies for the Pre-law Student	
or PAL 3023	Legal Research and Writing	
B. Elective courses (listed by ABA recommended skills areas):		6
1. Problem Solving		
PAL 4123	Legal and Philosophical Reasoning	
2. Critical Reading		
PHI 1043	Critical Thinking	
ANT 3733	Political and Legal Anthropology	

ECO 3113	Introduction to Mathematical Economics ¹
ECO 3123	Introduction to Econometrics ¹
HON 3513	Archer: Policy-Making Process
MKT 3013	Principles of Marketing
PHI 3063	Philosophy of Law
PHI 3213	Ethics
PAL 4133	Legal Analysis and Argumentation
PHI 4123	Contemporary Continental Philosophy
3. Writing and Editing	
ENG 3383	Writing in Public and Professional Contexts
ENG 3413	Specialized Technical & Professional Writing
ENG 4433	Advanced Professional Writing
4. Oral Communication	
COM 3113	Argumentation and Debate
MGT 3123	Organizational Communication ¹
MGT 3253	Interpersonal Communication ¹
5. Research	
HON 3021	Honors Essay Writing
SOC 3323	Introduction to Social Research
PAL 3023	Legal Research and Writing
UCS 4913	Independent Study in Prelaw
6. Organization and Management	
EDL 3003	Introduction to Leadership
7. Public Service and Promotion of Justice	
HON 3103	Honors Service
PAL 3113	Minorities and the Law
HIS 3623	History of the Civil Rights Movement
GLA 3043	International Human Rights
8. Relationship-building and Collaboration	
PSY 4193	Relationships
PSY 4213	Social Cognition
9. Background Knowledge	
HIS 4223	Environmental History of the United States
10. Exposure to the Law	
CRJ 2623	Substantive Criminal Law
CRJ 3573	Restorative Justice
CRJ 4633	Constitutional Criminal Procedure
CS 3113	Principles of Cyber Security
CSM 4633	Construction Law
ES 3203	Environmental Law
FIN 3433	Principles of Real Estate
GLA 3003	International Law
GLA 3733	National Security Law
GLA 4133	Conflict, Law, and Security in Global Affairs
IS 3533	Cyber Law and Legal System
MGT 4643	Human Resources Law ¹
PAD 3153	Administrative Law and Policy
PAL 3013	The American Legal Process
or POL 3013	The American Legal Process
PAL 3313	The Supreme Court
or POL 3313	The Supreme Court

PAL 3343	Constitutional Analysis
PAL 3513	Trial and Appellate Advocacy
PAL 3583 or POL 3583	Jurisprudence Jurisprudence
PAL 3843 or POL 3843	Campaign and Election Law Campaign and Election Law
PAL 3853 or POL 3853	Immigration Law Immigration Law
PAL 3863	Contracts
POL 3323	Constitutional Law I
POL 3333	Constitutional Law II
POL 3373	The Legislative Process
PAL 4223	Torts through the Case Method
PAL 4233	Federal Courts
SOC 3113	Criminology
SPE 3693	Special Education Law
Total Credit Hours	15

Courses may offer skill development in more than one area, but are only listed once.

¹ Students need to complete the proper prerequisites to take these courses.

Certificate in Data Science

The Undergraduate Certificate in Data Science is open to all undergraduate students at UTSA, including non-degree seeking students, regardless of their college or major. Applicants who are currently enrolled in an undergraduate degree program at UTSA have already met University requirements for admission. Applicants who are not currently enrolled in an undergraduate degree program at UTSA will be required to apply for admission to UTSA as a special undergraduate (non-degree-seeking) student and to indicate their intent to seek admission into a certificate program.

The certificate is designed for individuals from all academic disciplines to build analytical and computational foundation to investigate data science problems. This certificate program is created to fill the industry need for more data-science capable professionals and to prepare individuals for a career in data science related fields. Individuals completing this certificate will gain the foundational data science knowledge as well as practical skills in data curation, data analytics, data visualization, data mining, and machine learning. The certificate is administered by the University College in conjunction with the School of Data Science. The certificate program is also offered in a 100 percent online format (<https://online.utsa.edu/program/data-science-undergraduate-certificate/>).

Students pursuing the Undergraduate Certificate in Data Science must complete 15 semester credit hours:

Code	Title	Credit Hours
A. Required Courses:		
DS 3023	Statistical Analysis for Data Science	3
DS 4003	Introduction to Data Science	3
DS 4013	Programming for Data Science	3
DS 4023	Data Organization and Visualization	3

DS 4033	Data Mining and Machine Learning	3
Total Credit Hours		15

Data Science (DS) Courses

DS 1001. Data Science and AI for All. (1-0) 1 Credit Hour.

Prerequisite: Satisfactory performance on placement examination. The course is designed for students from all academic backgrounds to develop interests in data science and artificial intelligence. Introduction to the concept of analyzing data culled from a variety of sources, and understanding the methods of aggregating data, forming coherent queries, and building machine learning models to derive insights from data. Topics may include Python programming using Jupyter Notebook, R programming, text analysis, database, data analytics, and data visualization. Course Fee: LRDS \$12.50.

DS 3023. Statistical Analysis for Data Science. (3-0) 3 Credit Hours.

Prerequisite: MAT 1073 or the equivalent. Introduction to the scientific method; principles of sampling and experimentation; scales of measurement; exploratory data analysis; basic probability; models for discrete and continuous data; simple simulations and inferences based on resampling; fundamentals of hypothesis testing and confidence intervals; analysis of variance and linear regression model; tensors and matrices. The course will emphasize data analysis and interpretation and effective communication of results through reports or presentations within data science contexts. Course Fee: LRDS \$37.50.

DS 4003. Introduction to Data Science. (3-0) 3 Credit Hours.

Prerequisite: MAT 1073 or the equivalent. An introduction to foundational data science knowledge and life cycle. Focus areas on data visualization, data curation, ethics, and tools available for analysis will be covered. Course Fees: LRDS \$37.50; DL01 \$75.

DS 4013. Programming for Data Science. (3-0) 3 Credit Hours.

Prerequisite: MAT 1073 or the equivalent. An introduction to data-driven programming emphasizing problem solving and critical thinking. Topics will focus on foundational computer programming concepts and skills. Course Fees: LRDS \$37.50; DL01 \$75.

DS 4023. Data Organization and Visualization. (3-0) 3 Credit Hours.

Prerequisites: DS 3023, DS 4003, and DS 4013 or the equivalents. This course focuses on programming concepts, file input/output, and recursion that are involved in integrating, loading, processing, and transforming data from external sources for exploratory data analysis and visualization using data science software packages and APIs. Course Fees: LRDS \$37.50; DL01 \$75.

DS 4033. Data Mining and Machine Learning. (3-0) 3 Credit Hours.

Prerequisites: Completion of or concurrent enrollment in DS 4023. This course utilizes fundamental data science concepts to introduce in-depth analysis, data mining, machine learning, and artificial intelligence. Topics may include clustering, classification, evaluation metrics, supervised and unsupervised learning, search algorithms, intelligent agents, and AI applications in select areas. Course fee: DL01 \$75.

Multidisciplinary Studies (MDS) Courses

MDS 2013. Introduction to Multidisciplinary Studies. (3-0) 3 Credit Hours.

Introduction to Multidisciplinary Studies as an academic program. This course is required for the B.A. degree in Multidisciplinary Studies. It provides foundational skills from various academic areas and methodologies for approaching complex issues across the disciplines. Students develop and apply critical thinking, problem solving, and effective oral and written communication skills to social, political, scientific, and civic problems. The course includes a capstone project in which students plan a program of study appropriate within the Multidisciplinary Studies degree. Course Fees: DL01 \$75; LRMS \$37.50.

MDS 2023. Introduction to Multidisciplinary Studies. (3-0) 3 Credit Hours.

Introduction to Multidisciplinary Studies as an academic program. This course is required for the B.S. Degree in Multidisciplinary Studies. This course integrates experiential learning opportunities with foundational skills from various academic areas and methodologies for approaching complex issues across the disciplines. Students develop and apply critical thinking, problem solving, and effective oral and written communication skills to scientific, engineering, technical, social, and civic problems. The course includes a capstone project in which students design and present the experiential learning project. Course Fees: LRMS \$37.50; DL01 \$75.

MDS 4911. Independent Study in Multidisciplinary Studies. (0-0) 1 Credit Hour.

Prerequisites: Permission in writing (form available) from the instructor, the student's advisor, the Program Director, and Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor's degree.

MDS 4913. Independent Study in Multidisciplinary Studies. (0-0) 3 Credit Hours.

Prerequisites: Permission in writing (form available) from the instructor, the student's advisor, the Program Director, and Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 semester credit hours of independent study, regardless of discipline, will apply to a bachelor's degree. Course Fee: LRMS \$37.50.

MDS 4933. Internship in Multidisciplinary Studies. (0-0) 3 Credit Hours.

Prerequisite: Consent of internship coordinator. Supervised experience relevant to the student's program of study within selected community organizations. May be repeated for credit, but not more than 6 semester credit hours of internship will apply to a bachelor's degree. Course Fee: LRMS \$37.50.

MDS 4983. Senior Seminar for Multidisciplinary Studies. (3-0) 3 Credit Hours.

Prerequisite: Declared major in Multidisciplinary Studies and senior status. The seminar surveys topics in ethics, reinforces writing and communication skills through oral and written presentations and discussions, demonstrates student's progress through a capstone portfolio, and culminates in a senior project approved by the instructor. Generally offered: Fall, Spring. Course Fee: DL01 \$75; LRMS \$37.50.

Non-course Based Instruction (NCB) Courses

NCB 0502. Specialized Study for Math. (2-0) 2 Credit Hours.

This class requires co-enrollment in MAT 1023 for those students who are not exempted from the TSI and do not have a passing score on the TSI Math Assessment. This course provides the opportunity for students to review and practice just in time support of prerequisite and MAT 1023 topics. Students should be in a degree plan that requires MAT 1023. Course Fee: LRNC \$24.50; DL01 \$50.

NCB 0542. Specialized Study for MAT 1043 Corequisite. (2-0) 2 Credit Hours.

This class requires co-enrollment in MAT 1043 for those students who are not exempted from the TSI and do not have a passing score on the TSI Math Assessment. This course provides the opportunity for students to review and practice just in time support of prerequisite and MAT 1043 topics. Students should be in a degree plan that requires MAT 1043. Course Fee: LRNC \$24.50; DL01 \$50.

NCB 0552. Specialized Study for MAT 1053 Corequisite. (2-0) 2 Credit Hours.

This class requires co-enrollment in MAT 1053 for those students who are not exempted from the TSI and do not have a passing score on the TSI Math Assessment. This course provides the opportunity for students to review and practice just in time support of prerequisite and MAT 1053 topics. Students should be in a degree plan that requires MAT 1053. Course Fee: LRNC \$24.50; DL01 \$50.

NCB 0572. Specialized Study for MAT 1073 Corequisite. (2-0) 2 Credit Hours.

This class requires co-enrollment in MAT 1073 for those students who are not exempted from the TSI and do not have a passing score on the TSI Math Assessment. This course provides the opportunity for students to review and practice just in time support of prerequisite and MAT 1073 topics. Students should be in a degree plan that requires MAT 1073. Course Fee: LRNC \$24.50; DL01 \$50.

NCB 0602. Specialized Study for Writing and Reading. (2-0) 2 Credit Hours.

This class requires co-enrollment in WRC 1013 for those students who are not exempted from the TSI and do not have a passing score on the TSI ELAR Assessment (formerly the TSI Reading/Writing Assessments). This course provides the opportunity for students to review and practice composing, editing, and research in support of the WRC 1013 course. Course Fee: LRNC \$24.50; DL01 \$50.

University College Studies (UCS) Courses

UCS 2000. Undergraduate Research and Scholarly Activity. (0-0) 0 Credit Hours.

This course is designed to support students participating in research and scholarly activity at the undergraduate level. The course will provide students the opportunity to engage further into the research process by learning and applying research methods, analytical analysis, problem solving and critical thinking skills.

UCS 2003. Undergraduate Research and Scholarly Activity. (0-0) 3 Credit Hours.

This course is designed to support students participating in research and scholarly activity at the undergraduate level. The course will provide students the opportunity to engage further into the research process by learning and applying research methods, analytical analysis, problem solving and critical thinking skills.

UCS 2011. UTSA Engage: A Service-Learning Experience. (1-0) 1 Credit Hour.

Students will be engaged in a minimum of 15 hours of pre-approved, unpaid service in a non-profit or public sector organization in the San Antonio region. Coupled with their service experience will be an online learning environment that will engage students in readings on the nature of service, community engagement, social issues prevalent in the region, and other prompts to engage students in critical thinking and reflection. The service must be performed within the semester that a student is registered. A student may not use another course requirement to complete this credit, it must be an independent experience. A student may repeat the course once for additional credit with the service experience being at a different placement than their previous experience. Course Fee: DL01 \$25.

UCS 2013. Career Engaged Learning. (3-0) 3 Credit Hours.

This course provides understanding of how students can prepare for future careers now, connecting the classroom to the career. Topics explored will relate to the self and an understanding of how we communicate who we are to the world (including employers). This includes an understanding of how to network productively and create a professional story about one's talents, skills, and competitiveness. This course will aid in success, self-efficacy, and agency to move students ahead in their career trajectory. This course will expose students to theory, research, entrepreneurship, and innovation. Students are not required to have a declared major or chosen career path to take this course.

UCS 2033. Personal Career Planning. (3-0) 3 Credit Hours.

This course provides knowledge of career development theories and decision-making models, current national and state-specific labor market trends, and provides career and occupational resources. Course includes opportunities for self-assessment and career assessment results, including interest, personality, values clarification inventories and skills identification as they relate to occupational choices. This course equips students with skills that help them make positive career decisions throughout their education at UTSA and their career trajectory. (Formerly COU 2103. Credit cannot be earned for both UCS 2033 and COU 2103).

UCS 3201. Graduate School Workshop. (1-0) 1 Credit Hour.

This course is designed to help students prepare for admission to graduate school and, particularly, for admission to Ph.D. programs. The course addresses a variety of pertinent topics, such as how one decides whether to attend graduate school, what type of graduate program one should select, how students can improve their chances of being admitted to the programs of their choice, how to choose select specific programs to apply to, how to prepare an effective application, and how to pay for graduate study. The course also will provide students with practical advice for preparing for the GRE. This course may be repeated for credit.

UCS 4000. Law School Experience I. (0-0) 0 Credit Hours.

The course is designed to introduce students to law school and the legal profession and strengthen their desire to pursue a law degree. Students will have the opportunity to: 1) take mock law school lectures to learn what is expected from them in law school, 2) learn about law school application and admissions, 3) understand the real cost of a law degree, 4) have an idea of different legal fields and career choices, and 5) network with law professionals as knowledgeable resources for students' academic and professional legal career.

UCS 4013. UTSA Advanced Engagement. (3-0) 3 Credit Hours.

UTSA Advanced Engagement provides students with experiential and meaningful community-based learning opportunities in a real-world context to enrich the learning experience, develop skills of civic engagement/social responsibility and work alongside community partners/leaders to address social challenges. Students will learn theories and best practices from community-based initiatives across academic disciplines. Student will be required to work with a community partner to design, apply, reflect, evaluate and present the service-learning project. Capstone projects will be presented at either the Civic Engagement Summit, UTSA Undergraduate Research Showcase or other approved event.

UCS 4100. Law School Experience II. (0-0) 0 Credit Hours.

This course is designed to introduce students to the elements of analytical reasoning and critical thinking, including the clear and precise use of language, deduction, induction, conditional reasoning, analogy, and logic, and to apply to principles of reasoning and logic in preparations for the Law School Admission Test (LSAT). Prerequisites are the completion of the two SLSPA 3-credit courses during Phase I, and concurrent enrollment in the two SLSPA 3-credit courses during Phase II.

UCS 4913. Independent Study in Prelaw. (0-0) 3 Credit Hours.

Course designed for students to hone the skills needed for law school in case they decide to pursue a legal education. Students must do independent reading, research, discussion, and or writing on a prelaw topic under the direction of a faculty member of University College.

UCS 4933. Internship in Prelaw Studies. (0-0) 3 Credit Hours.

Course designed to serve as a pre-professional experience for students who may want to attend law school. The internship will provide students a learning experience at a law firm, in a legal department of a corporation, government agency, or non-profit organization. The internship course will be under the direction of a faculty member of University College.