

# MEMORANDUM OF UNDERSTANDING

*BETWEEN*

**Northwestern State University**

**and**

**Texarkana College**

Northwestern State University (NSU) and Texarkana College (TC) have agreed to enter into a Memorandum of Understanding for a 2+2 program between the two institutions. The 2+2 program will allow students to complete the Associates Degree in Applied Science in Drug & Alcohol Abuse Counseling and transfer all credit hours applied as listed in Appendix A to Northwestern State University in partial fulfillment of degree requirements for the Bachelor of Sciences Degree in Addiction Studies.

This partnership is mutually beneficial to both institutions for several reasons. This arrangement will benefit the TC students, traditional and nontraditional, by offering them an opportunity to continue their education after completing the AS degree at TC with a university that will accept those credits.

Both Higher Education Institutions have full-time, tenure track faculty with advanced academic and field experience credentials.

Both institutions have extensive support resources (i.e., library, on-line access, service courses, and adequate administrative – faculty – staff backup).

NSU has excellent online capabilities and the administration and faculty are committed to fashioning the Addiction Studies program available to nontraditional students through a combination of online, compressed courses, weekend, evening, and one-day a week courses.

For the Addiction Studies, NSU is currently an Approved Educational Provider (AEP – E077) by the Louisiana Department of Health and Hospitals Office for Addictive Disorders – Addictive Disorders Regulatory Authority and the program meets the educational requirements for the State of Texas.

In accordance with this Memorandum of Understanding, TC agrees to:

Have TC students who plan to transfer to NSU to complete a Bachelor Degree in Addiction Studies file and intent to transfer form with NSU to establish the catalog of record for their graduation from NSU.

Jointly with NSU, market the 2+2 Agreement to prospective Students.

Provide Information about the 2+2 Agreement in the TC catalog.

Provide students the opportunity to obtain the TC credit hours as listed in Appendix A of the Memorandum of Understanding between NSU and TC.

In Accordance with this Memorandum of Understanding, Northwestern State University agrees to:

Accept TC credit hours as listed in Appendix A of the Memorandum of Understanding between NSU and BCPP. All courses that transfer in for Addiction Studies courses must have a minimum grade of C.

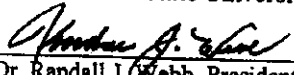
Along with TC, jointly market the 2+2 Agreement.

Provide information about the 2+2 Agreement in the NSU catalog beginning 2011 - 2012.

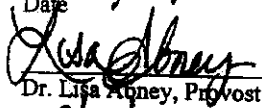
Total hours required for the B.S. in Addiction Studies at NSU is 120 credit hours. With successfully completing the 2+2 agreement between SAC and NSU, a student will transfer in 61 hours and have 60 hours remaining to complete the degree.

By signature of President Randall J. Webb and Provost Dr. Lisa Abney Northwestern State University, Natchitoches, Louisiana and signature of Texarkana College Board of Trustee President Mr. Mike Sandefur and President James Henry Russell, Texarkana College, Texarkana, Texas, this 2 + 2 memorandum of Understanding is entered into on the \_\_\_\_\_ of \_\_\_\_\_, 2011.

Northwestern State University

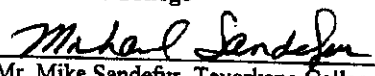
  
\_\_\_\_\_  
Dr. Randall J. Webb, President

09/19/11  
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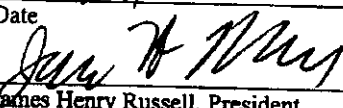
  
\_\_\_\_\_  
Dr. Lisa Abney, Provost

9/19/11  
\_\_\_\_\_  
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Texarkana College

  
\_\_\_\_\_  
Mr. Mike Sandefur, Texarkana College  
Board of Trustee, President

9/27/11  
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Date

  
\_\_\_\_\_  
James Henry Russell, President

9/27/11  
\_\_\_\_\_  
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## Articulation Course Comparative Descriptions

Northwestern State University Bachelor of Science in Addiction Studies (395) 120 credit hours to complete degree Northwestern State University		Texas A&M University Associate Degree in Applied Science Drug and Alcohol Abuse Counseling 63 credit hours to complete degree Texas A&M University	
Course Number	Course Title & Description (hours)	Course Number	Course Title & Description (hours)
<i>This is a listing of courses and their descriptions within the Addictions Studies and Drug/Alcohol Abuse curriculum of NSU &amp; Texas A&amp;M College. Courses listed across from each other may not be directly correlating courses.</i>			
ENGL 1010	Composition & Rhetoric I (3-3-0) The short paper, rhetoric, with emphasis on writing.		
ENGL 1020	Composition & Rhetoric II (3-2-0) Writing the longer paper; diction, style, analysis and interpretation of collateral readings leading to the composition of the research paper. Prerequisite: 1010.		
MATH 1020	College Algebra (3-3-0) A graphing treatment of the essential topics of college algebra with emphasis on functions, graphing, and applications. A graphing calculator will be required in the course. Prerequisite: A grade of C or better in Mathematics 0920. A student may be placed into this course with a sufficiently high score on mathematics portion of ACT, SAT or COMPASS exam.	MATH 1314	College Algebra (3-3-0) Topics include: graphs, functions, and their inverses; data analysis and modeling; polynomial and rational functions; roots of polynomial equations; exponential and logarithmic functions; linear and nonlinear systems of equations and inequalities; determinants; matrices; binomial theorem; sequences and series; permutations and combinations. Prerequisite: MATH 0033 or satisfactory placement scores. (TSI Scores: 270 or above).
MATH 1090	Finite Mathematics (3-3-0) Mathematics of finance, basic set theory, Venn diagrams, permutations, combinations, basic probability, probability distributions, descriptive and inferential statistics, normal curve. Prerequisite: 1020.	MATH 1324	Finite Math (3-3-0) The study of mathematical applications in business, life sciences, and social sciences. Topics in this course include set theory, systems of linear equations, matrices, linear inequalities and linear programming, mathematics of finance, elementary probability theory, and topics in probability. Prerequisite: MATH 0033, MATH 1314 or satisfactory placement scores. (TSI Scores 270 or above).
MATH 1090	Trigonometry (3-3-0) Trigonometric functions; relations between functions; solution of triangles with applications to practical problems; trigonometric formulas and identities; radian measure; graphic representation of trigonometric functions; inverse trigonometric functions; trigonometric equation. Prerequisite: registration in or credit for 1020 or consent of department head. Credit not allowed in 1100 and 1020-1090.	MATH 1316	Plane Trigonometry (3-3-0) Topics include sets, ordered relations, number intervals, trigonometric functions, radian measure, variations and graphs of the functions, solution of right triangle and applications, trigonometric identities, equations, vector applications, and inverse functions, general triangle and complex numbers. Prerequisite: MATH 0033, MATH 1314 or satisfactory placement scores. (TSI Scores 270 or above).

MATH 2010	Survey of Calculus (3-3-0) Basic concepts of calculus; applications in other disciplines. Credit not allowed in both 2010 and 2100. Prerequisite: 1020.	MATH 2413	Calculus with Analytic Geometry (4-3-2) This course will include limits, continuity, derivatives, differentiation rules and rates of change, implicit differentiation and related rates, applications of derivatives, applications including analytic geometry—straight lines and conic sections, envelopes, definite and indefinite integration, Fundamental Theorem of Calculus, integration by substitution, and numerical integration. Prerequisites: MATH 2412, or MATH 1314 and 1316.
MATH 1180	Pre-calculus Mathematics (2-2-0) An accelerated study of college algebra and college trigonometry topics from analytic geometry, the concept of function, and the construction and interpretation of graphs. Prerequisite: placement based on Mathematics section of ACT, SAT, or grade of C or higher in Mathematics 0820. Credit not allowed in the course and 1610, or 1020-1080.	MATH 2412	Pre Calculus (4-3-2) This course includes applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions. Topics from analytic geometry include conic sections parametric equations and polar equations. Prerequisites: MATH 0033 or satisfactory placement score (TISI Score: 270 or above).
MATH 1810	Technical Mathematics (2-2-0) Mathematics for Industrial Technology students. Graphical treatment of the concepts and applications of algebra, trigonometry, and statistics. Prerequisite: Placement based on mathematics score on ACT or SAT, or a grade of C or higher in 0820. Credit not allowed in the course and 1180 or 1020-1080.		
SCI 1010	Basic Concepts of Physical Science (2-3-0) Basic concepts of physics and chemistry (they not receive credit for both Science 1010 and Chemistry 1030 or 1070).		
CHEM 1030	General Chemistry (2-3-0) Atomic and molecular structure; chemical bonding; properties of gases, liquids and solids; chemistry of some non-metals. For students who plan to take 1040 and 2000- or 3000-level chemistry courses. Prerequisite: placement in Mathematics 1020. (May not receive credit for both Chemistry 1020 and Science 1010).	CHEM 1411	General Chemistry I (4-5-2) Fundamentals principles of theoretical and applied chemistry; stoichiometry, atomic structure, periodic arrangement of elements, ionic and covalent bonding, gases, liquids, and solids.
CHEM 1070	Introductory Chemistry (2-3-0) Principles of chemistry for students who plan to take 1030 as a terminal chemistry course. Topics include atomic and molecular structure, chemical bonding and properties of gases, liquids and solids. Prerequisite: placement in Mathematics 1020. (May not receive credit for both Chemistry 1070 and Science 1010).	CHEM 1405	Introductory Chemistry (4-3-2) A survey of chemistry including the metric system, scientific method, physical properties of matter, atomic structure, ionic and covalent bonding, naming of compounds, chemical reactions, stoichiometry, gas laws, liquids, solids, solutions, equilibrium, acid base theory, electrochemistry, nuclear chemistry, and a brief survey of functional groups of organic molecules and biomolecules.
BIOL 1010	Biological Principles (2-3-0) This is the first course in a three part survey of fundamental biological sciences at NSU (Biology 1020 and ZZZ0 are the other two parts). Emphasis is placed on the molecular bases of life, cell structure, metabolism, reproduction, genetics, and gene expression. Co-requisite: BIOL 1011. (Students may not receive credit for both BIOL 1010 and SCI 1020).		
BIOL 1011	Biological Principles Lab (1-0-2) This is companion laboratory of BIOL 1010. Co-requisite: BIOL 1010.		

BIOL 1020	Biological Principles (3-3-0) This is the second course in a three part survey of fundamental biological science at NSU (Biology 1020 and 2220 are the other two parts). Emphasis is placed on diversity of life on earth, and animal form, function, and development. Prerequisite: BIOL 1010 and 1011; Co-requisite: BIOL 1021. (Students may not receive credit for both BIOL 1020 and SCI 2020).		
BIOL 1021	Biological Principles Lab (1-0-2) This is companion laboratory of BIOL 1020. Co-requisite: BIOL 1020.		
BIOL 2220	Human Anatomy (3-3-0) Gross structure of the human body; clinical aspects. Co-requisite: BIOL 2221. Students may not receive credit for this course and BIOL 3310 or BIOL 3320.		
BIOL 2221	Human Anatomy Lab (1-0-2) Co-requisite of BIOL 2220. (Students may not receive credit for this course and BIOL 3311 or BIOL 3321). BIOL 1020 and SCI 2020).		
BIOL 2230	Human Physiology (3-3-0) Function of the principal organ systems of the human body and their relationship to maintenance of homeostasis. Co-requisite: BIOL 2231. Registration in or credit for 2220. (Students may not receive credit for both BIOL 3311 or BIOL 3321).		
BIOL 2231	Human Physiology Lab (1-0-2) Co-requisite of BIOL 2230. (Students may not receive credit for this course and BIOL 3311 or BIOL 3321).		
FA 1040	Exploring the Arts (3-3-0) The fine arts (music, visual art, drama, and dance) as they relate to the human experience. Related subjects such as film and architecture will also be discussed.	HUMA 1315	Fine Arts Appreciation (3-3-0) Understanding purpose and processes in the visual, literary, dramatic, and musical arts, including the evaluation of selective works.
ENGL 2070	Major Writers in World Literature I (3-3-0) Including works by Homer, Cervantes, Moliere, Goethe, Flaubert, Dostoyevsky, Camus, and others, exclusive of English and American literature. Prerequisite: 1020 with a grade of C or better or equivalent.	ENGL 2332	World Literature I (3-3-0) A study of the classic or Western literature from Homer through the early Renaissance and the literatures of the literary form and thought with emphasis on writing literary analysis. Prerequisite: COMP I & II, ENGL 1301 & 1302, or the equivalent from another college or university and successful completion of the reading portion of the TSI test
ENGL 2110	Introduction to Literature (3-3-0) This course introduces students to literature in its various forms and genres and has an extensive writing component. Prerequisite: C or better in both ENGL 1010 and 1020 or the equivalent.		
HIST 1010	Early World Civilization (3-3-0) Earliest cultures to 1648, contributions of the Romans and the Christian Church, feudalism and rise of national states, the Renaissance and Reformation.	HIST 2321	World Civilization I (3-3-0) A survey of ancient and medieval history with emphasis on Asian, African, and European cultures.

HIST 1020	Modern World Civilization (3-3-0) Since 1948; mid-19th century revolution; nationalism and political reorganization; social, economic and cultural developments; commercial, navy and colonial expansion; the system of alliances, wars and readjustments.	HIST 2322	World Civilization II (3-3-0) The modern history and culture of Asia, Africa, European, and the Americas, including recent developments.
HIST 2010	History of the United States (3-3-0) Colonial foundations; movement for independence; early years of the Republic; national growth and expansion; sectionalism and the Civil War.		
HIST 2020	History of the United States (3-3-0) Reconstruction; industrial expansion and related problems; imperialism; World War I and aftermath; depression and New Deal; World War II; U.S. since the war.		
COMM 1010	Fundamentals of Speech (3-3-0) Development of desirable habits for normal speech situations; effective use of voice, oral language, and body actions; basic principles of speech composition. Open to all students, prerequisites to other speech courses. (formerly SPCH 1010).		
ANTH 1010	The Ways of Humankind an Anthropological Perspective (3-3-0) Nature and mechanism of culture. How cultures are organized and work on a worldwide basis. Cultural systems of communication, kinship, technology, religion and magic.		
ECON 2000	Principles of Macroeconomics (3-3-0) A survey of economic principles governing the behavior of the aggregate economy. It addresses the problem of how fiscal and monetary authorities promote price level stability and economy growth. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, this course is recommended. Prerequisite: Sophomore standing.	ECON 2301	Principles of Economics I (3-3-0) Fundamental principles of economics, emphasizing the overall view of the American economy and macro economic issues. Major topics of study include production possibilities, theory of supply / demand, market institutions, national income accounting, classical / neoclassical philosophy, aggregate supply - aggregate demand analysis, inflation, unemployment, economic investment / growth, and money and banking.
PGCI 2010	Government of the United States (3-3-0) Federal government in the U.S.; government machinery and present tendencies toward modification; political parties and party governments.	GOVT 2304	Introduction to Political Science (3-3-0) An introductory survey of the field of political science. Includes and examination of the basic concepts of politics and political behavior, the history of the discipline, the scope and method of political inquiry, public policy, political dynamics, and theory and organization of the modern state. This course may not be substituted for the GOVT 2305 or GOVT 2306
GEQG 1010	World Regional Geography - The Developed World (3-3-0) A comprehensive examination of Europe, Russia, North America, East Asia, and Australia / New Zealand utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.	GEQG 1303	World Regional Geography (3-3-0) A study of the major developed and developing regions of the world, with emphasis on an awareness of prevailing world conditions and emerging developments, including the diversity of ideas and practices in various regions. Major topics may include: culture, religion, language, landform, climate, agriculture, and economic activities.

PHIL 1010	Introduction to Philosophy (3-3-0) Basic problems, arguments, and concepts of selected Western philosophers dealing with reality, knowledge, and moral values.		
EPHY 2020	Introduction to Child and Adolescent Psychology (3-3-0) Theoretical and practical implications of developmental processes in children and adolescents including physical, cognitive, and social-emotional domains, exceptionalities and diverse populations discussed with emphasis on typical adjustments.		
SOC 1010	Principles of Sociology (3-3-0) Human social relationships and processes, functioning of familial, recreational, religious, economic, political, and other social groups in contemporary society.	SOCI 1301	Introduction Sociology (3-3-0) A general introduction into the behavior of individuals in social groups particularly a study of important phases of life as culture, population, institutions, social control, the major social processes, and analysis of the simpler relations of daily living as illustrative material. Pre-reqs: Successful completion of the reading portion of the TSI test.
AS 1010	Introduction to Addiction Disorders (3-3-0) Overview of the causes and consequences of addiction as they relate to the individual, family, community, and society are discussed. Response alternatives regarding intervention, treatment, education, and prevention are reviewed. Competencies and requirements for licensure/certification in Louisiana and Knowledge Skills and Abilities of Professional Practice as described in Technical Assistance Publication Series (TAP) 21 are presented. Prerequisite: PSYC 1010.		
AS 2030	Family Dynamics (3-3-0) An introduction to the family as a dynamic system focusing on the effects of addiction pertaining to family roles, rules, and behavior patterns. Discuss the impact of mood altering substances on the family and therapeutic alternatives as they relate to the family. Prerequisite: 1010		
AS 2430	Screening and Assessment (2-2-0) Examine the purpose of screening and assessment as well as screening and assessment processes, methods, and instruments. The importance of screening and assessment as the first stage of effective substance abuse treatment will be explored.		
AS 2460	Case Management (3-3-0) This course will provide an overview of the process involved in case management and the skills needed to effectively design and implement treatment plans with individuals who present with substance and behavioral addictions. Prerequisite: 1010.		

AS 3010	<p><b>Addiction Counseling Skills (3-3-0)</b> A survey of the applications of psychological concepts and principles to counseling methods, competencies in Knowledge, Skills and Attitudes for the therapeutic treatment of psychological problems including addiction-related disorders. Emphasis on behavioral, cognitive, client-center, motivational interviewing, and psychodynamic techniques of therapy. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.</p>		
AS 3020	<p><b>Dynamics of Group Counseling (3-3-0)</b> An introduction to the patterns and dynamics of group interactions across the life span. Focus includes structure/types, stages, development, leadership, and therapeutic factors of group counseling. Effective group facilitation skills and techniques used to address special population issues and needs are covered.</p>		
AS 4040	<p><b>Special Populations (3-3-0)</b> Examines situational factors that may affect a person's attitudes toward alcohol and other drugs, pattern of substance abuse, reasons for seeking treatment, and responsiveness to various interventions. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.</p>		
AS 4450	<p><b>Co-occurring Disorders (3-3-0)</b> The treatment of co-occurring chemical dependency and psychiatric disorders. Provide a framework for assessment and treatment and describes a range of effective counseling and motivational strategies. Prerequisite: 12 credit hours in psychology (including AS 4450) and/or Addiction Studies or consent of instructor.</p>		
AS 4600	<p><b>Pharmacology of Addiction (3-3-0)</b> Psychological, physiological, and sociological effects of mood altering substances and behaviors and their implications for the addiction process are discussed. Emphasis is placed on pharmacological effects of tolerance, cross addiction, dependency/withdrawal, and drug interaction. Prerequisite: PSYC 3010 and 8 hours in Psychology or Addiction Studies.</p>		
AS 4610	<p><b>Ethics for Addiction Professionals (3-3-0)</b> Learning about appropriate behavior and ethical/moral issues to be anticipated in all aspects of a practice as a substance abuse counselor, including counseling, assessment, research and teaching. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.</p>		
PSYC 1010	<p><b>General Psychology (3-3-0)</b> Principles of psychology; human behavior; shaping of behavior and personality by interaction between individual and environment.</p>		



PSYC 2050	Developmental Psychology (3-3-0) Physical, mental, social and emotional development of the individual; understanding human dynamics with respect to self and others.		
PSYC 2430	Introduction to Experimental Psychology (3-3-0) History of experimental principles as applied to the basic processes of psychology: learning, perception, and motivation. Basic classical and modern experiments in psychology. Report writing in APA style and format. Prerequisite: 1010.		
PSYC 3070	Physiological Psychology (3-3-0) Functional organic and biochemical factors as determinants of personality and behavior; emphasis on the nervous and endocrine systems.		
PSYC 4400	Statistics for Psychology (3-3-0) Statistical procedures employed in the description and interpretation of psychological, educational, and behavioral research data and measurement.		
PSYC 4450	Abnormal Psychology (3-3-0) Nature and etiology of common deviant mental and emotional conditions; potentials for rehabilitation, readjustment, and learning. Prerequisite: 12 hours of psychology for major; consent of head of department for non-major; 12 hours of psychology or consent of department head of graduate non-psychology major.		
PSYC 4480	Systems of Psychology (3-3-0) Comparison, with some unifying reconciliation, of schools of psychology which represent major different approaches to the study of human behavior. Prerequisite: 12 hours of psychology.		
PSYC 4700	Seminar in Alcoholism (3-3-0) Current scientific information, materials, and techniques for dealing with alcoholism. Prerequisite: 4450, 12 hours in psychology.		
AS / PSYC	Elective		
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ASI / PSYC		Social Psychology (3-3-6) Theories of individual behavior on the social environment are surveyed. Topics include the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. Prerequisite: PSYC 2301 or SOCI 1301
ASI / PSYC	Elective	

**News Release**

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09/28/11

FOR IMMEDIATE RELEASE

Northwestern State University and Texarkana College signed and reaffirmed an articulation agreement between the two higher educational institutions on Tuesday, September 27, 2011 at the Texarkana College Board of Trustees Meeting. The Texarkana College Board of Trustees unanimously approved the articulation agreement to create a 2+2 program in Drug and Alcohol Abuse Counseling and Addiction Studies.

"The agreement in Addiction Studies will allow Texarkana College associate degree students a seamless transfer to an NSU bachelor's degree track," said Joseph D. (Jody) Biscoe, Coordinator for the Addiction Studies Degree, Associate Professor of Psychology and Addiction Studies at Northwestern State University. "The students can plan a course of study while at the community college without fear of losing credits when transferring to Northwestern," stated Vernon Wilder, Division Chair of Social Sciences at Texarkana College.

"Texarkana College continues to provide their region with a first rate chemical dependency program by setting the standards for training and education in the field," stated David Gafford, Director of the Drug and Alcohol Program at Texarkana. With the articulation agreement this allows for a win-win situation not only for students, but also the two institutions to advance the educational opportunities for a trained workforce in addiction profession. "Other than nursing the addiction profession will have the second largest growth in the health care field within the next ten years," stated David Gafford.