



# LAMAR UNIVERSITY

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM™

## Dual Credit Course List

**ARTS 1301 – Art Appreciation** – An introductory course emphasizing the understanding and appreciation of visual arts (painting, sculpture, and architecture).

3.000 Credit hours

**BIOL 1406 – General Biology I** – A survey of organisms, molecules, cells, tissues, photosynthesis, genetics, and evolution. Not offered as an online course.

4.000 Credit hours

**BIOL 1407 – General Biology II** – Plant and vertebrate structure and function, development, reproduction, and ecology. Prerequisite: A grade of at least a "C" or better in BIOL 1406. Not offered as an online course.

4.000 Credit hours

**CHEM 1311 – General Chemistry I** – Algebra-based review of chemical laws and theory for science, engineering and preprofessional majors. Prerequisites: Mathematics Readiness Score  $\geq 700$  or MATH 1314 or higher with a C or better.

3.000 Credit hours

**CHEM 1111 – General Chemistry I Lab** – Laboratory to accompany an algebra based review of chemical laws and theory for science, engineering and preprofessional majors. Corequisite: CHEM 1311.

Prerequisites: Mathematics Readiness Scores  $\geq 700$  or MATH 1314 or higher with a C or better.

1.000 Credit hours

**CHEM 1312 – General Chemistry II** – A continuation of CHEM 1311. Theories of solutions, equilibrium, thermodynamics and kinetics. Prerequisites: CHEM 1311 and CHEM 1111 both with a C or better.

3.000 Credit hours

**CHEM 1112 – General Chemistry II Lab** – Laboratory to accompany CHEM 1312: theories of solutions, equilibrium, thermodynamics and kinetics. Corequisite: CHEM 1312. Prerequisites: CHEM 1311 and CHEM 1111 both with a C or better.

1.000 Credit hours

**COMM 1315 – Public Speaking** – Principles and practice of public speaking. Majors should complete this course during their freshman year. Satisfies the Communication core curriculum requirement and transfers as TCCNS SPCH 1315.

3.000 Credit hours

**ECON 1301 – Principles and Policies** – Comprehensive introduction to economic principles and problems for non-business students. Resource utilization; price determination; distribution of income; fiscal and monetary problems; economic growth.

3.000 Credit hours

**ECON 2301 – Principles of Economics I (Macro)** – Emphasizes monetary theory; national income analysis; fluctuation and growth; public finance; international trade; and current economic problems.

3.000 Credit hours

**ENGL 1301 – English Composition I** – Basic forms of expository writing. Frequent themes. Collateral reading in articles and essays of a factual and informative type. This course is prerequisite to ENGL 1302 and 1374.

3.000 Credit hours

**ENGL 1302 – English Composition II** – Forms of expository and analytical writing. Topics for composition suggested from wide reading in at least two of the three genres: prose fiction, poetry, and drama. Research paper required. Prerequisite: ENGL 1301.

3.000 Credit hours

**ENGL 2322 – British Literature** – The study of six-to-ten major works of British literature dating from its Anglo-Saxon origins to the present. Prerequisites: ENGL 1301 and either ENGL 1302 or 1374; or 1360 and 1361

3.000 Credit hours

**ENGL 2326 – American Literature** – Six-to-ten major works of American literature, including both the 19th and 20th centuries. Prerequisite: ENGL 1301 and either ENGL 1302 or 1374; or ENGL 1360 and 1361

3.000 Credit hours

**HIST 1301 – US History I 1763-1877** – United States history from the revolutionary period through reconstruction.

3.000 Credit hours

**HIST 1302 – US History II 1877-present** – United States history from the post-reconstruction period to the present.

3.000 Credit hours

**MATH 1314 – College Algebra** – Study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations. Prerequisites: 350 Math TSI or TSI Exempt/Complete Prepares for: MATH 1316, 1342, 1350, 3312. This course DOES NOT prepare students to advance to the calculus sequence.

3.000 Credit hours

**MATH 1316 – Trigonometry** - Study of trigonometric functions, graphs, identities, inverse trigonometric functions, trigonometric equations, and applications of trigonometry. Recommended for students who have not had high school trigonometry. Prerequisites: MRS 750 or C or better in MATH 1314 or equivalent. Prepares for: MATH 2310, 3313

3.000 Credit hours

**MATH 1342 – Statistics** – Collection, Analysis, presentation and integration of data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. Prerequisites: 350 Math TSI or TSI Exempt/Complete.

3.000 Credit hours

**MATH 2311 – Precalculus I** – In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations. Prerequisites: 350 Math TSI, TSI Complete, or TSI Exempt.

Prepares for: MATH 1316, 1325, 1342, 2312, 2376, 3312, 3313.

3.000 Credit hours

**MATH 2312 – Precalculus II** – Intensive review of algebra, trigonometry and analytic geometry. Prerequisites: MRS 750 or C or better in MATH 2311. Prepares for: MATH 2376, 2413, 2460

3.000 Credit hours

**MATH 2413 – Calculus and Analytical Geometry I** – Functions, limits, derivatives of algebraic, trigonometric, exponential and logarithmic functions, curve sketching, related rates, maximum and minimum problems, definite and indefinite integrals with applications. Prerequisites: MRS 800 or C or better in MATH 2312 or its equivalent Prepares for: MATH 2305, 2318, 2414

4.000 Credit hours

**MUSI 1306 – Music Appreciation** – Survey of music for non-music students. Covers the major style periods from the Renaissance to the present with emphasis on the development of basic listening skills and critical thinking. Requires attendance at instructor-specified recitals or concerts.

3.000 Credit hours

**POLS 2301 – Intro to American Government I** – The national and Texas constitutions; federalism; political socialization and participation; public opinion and interest groups; parties, voting and elections.

3.000 Credit hours

**PSYC 2301 – General Psychology** – An introductory survey of the major areas of psychology such as learning, personality, social, testing, developmental and physiological. Emphasis is on psychology as the scientific study of behavior and includes both human and animal behavior.

3.000 Credit hours

**SOCI 1301 – Introduction to Sociology** – An overview of major subjects in sociology, including sociological perspective, culture, social interaction, social stratification, gender, race and ethnicity, social groups, organizations, family, religion, population, urbanization and social changes.

3.000 Credit hours

\*Availability of courses is subject to change. In addition, some courses vary in length: 8 weeks or 15 weeks.