Courses offered at Texas A&M which meet the TMDSAS Prescribed Course Requirements

**General Chemistry**

*Chemistry 101: Fundamentals of Chemistry I (CHEM 101)* Lecture only. Introduction to modern theories of atomic structure and chemical bonding; chemical reactions; stoichiometry; states of matter; solutions; equilibrium; acids and bases; coordination chemistry. Prerequisites: Concurrent enrollment in CHEM 111. (3 Credit hours)

*Chemistry 102: Fundamentals of Chemistry II (CHEM 102)* Lecture only. Theory and applications of oxidation-reductions systems; thermodynamics and kinetics; complex equilibria and solubility product; nuclear chemistry; descriptive inorganic and organic chemistry. Prerequisites: Concurrent enrollment in CHEM 112. (3 Credit hours)

*Chemistry 103 Structure and Bonding (CHEM 103)* Lecture only. Rigorous treatment of chemical principles and their application. Prerequisite: For entering students with satisfactory scores on math and chemistry placement examinations; concurrent enrollment in CHEM 113. (3 Credit hours)

*Chemistry 104: Chemistry of the Elements (CHEM 104)* Lecture only. Continuation of CHEM 103. Prerequisite: CHEM 103. (3 Credit hours)

*Chemistry 107: General Chemistry for Engineering Students (CHEM 107)* Lecture only. Introduction to important concepts and principles of chemistry; emphasis on areas considered most relevant in an engineering context; practical applications of chemical principles in engineering and technology. Students completing CHEM 107 and changing majors to curricula requiring CHEM 101 and CHEM 102 may substitute CHEM 107 for CHEM 101. Students may not receive credit for both CHEM 107 and CHEM 101. Prerequisite: Concurrent enrollment in CHEM 113. (3 Credit hours)

*Chemistry 111: Fundamentals of Chemistry Laboratory I (CHEM 111)* Lab only. Fundamentals of Chemistry Laboratory I. Introduction to methods and techniques of chemical experimentation; qualitative and semi quantitative procedures applied to investigative situations. Prerequisite: CHEM 101 or registration therein. (1 Credit hour)

*Chemistry 112: Fundamentals of Chemistry Laboratory II (CHEM 112)* Lab only. Introduction to analytical and synthetic methods and to quantitative techniques to both inorganic and organic compounds with emphasis on an investigative approach. Prerequisites: CHEM 101 and 111 or equivalent; CHEM 102 or registration therein. (1 Credit hour)

*Chemistry 113 Physical and Chemical Principles (CHEM 113)* Lab only. Elementary experiments in physical chemistry and quantitative analysis. Prerequisite: CHEM 103 or registration therein. (1 Credit hour)

*Chemistry 114 Qualitative Analysis (CHEM 114)* Lab only. Qualitative analysis, elementary inorganic syntheses and quantitative aspects of chemical equilibrium. Prerequisites: CHEM 104 or registration therein; CHEM 113. (1 Credit hour)

*Chemistry 117: General Chemistry for Engineering Students Laboratory (CHEM 117)* Lab only. Introduction to important concepts and principles of chemistry in the laboratory; emphasis on areas considered most relevant in an engineering context; practical applications of chemical principles in engineering and technology. Students completing CHEM 117 and changing majors to curricula requiring CHEM 111 and CHEM 112 may substitute CHEM 117 for CHEM 111. Students may not receive credit for both CHEM 117 and CHEM 111. Prerequisites: CHEM 107 or registration therein. (1 Credit hour)

*Chemistry 315: Quantitative Analysis (CHEM 315)* Lecture only. Introduction to quantitative methods of analysis; solution chemistry; chemical equilibrium of analytically useful reactions and of processes important in advanced analytical methods including electrochemistry, separations and kinetic methods. Prerequisite: CHEM 102 or CHEM 104. (3 Credit hours)

*Chemistry 316: Quantitative Analysis (CHEM 316)* Lecture only. Methods of chemical analysis; chemical equilibrium; basic chemical instrumentation. Prerequisite: CHEM 102 or CHEM 104. (2 Credit hours)

*Chemistry 317 Quantitative Analysis (CHEM 317)* Lecture only. Introduction to the fundamental principles and applications of modern instrumental techniques of quantitative analysis, with emphasis on spectroscopic and chromatographic methods. Prerequisite: CHEM 316. (2 Credit hours)

*Chemistry 318: Quantitative Analysis Laboratory (CHEM 318)* Lab only. Laboratory work consists of selected experiments in quantitative analysis designed to typify operations of general analytical lab, including chemical analyses by volumetric and gravimetric methods; introduction to chemical measurements by spectroscopic and separations techniques and associated instrumentation. Prerequisites: CHEM 112 or CHEM 114; CHEM 315 or CHEM 316 or registration therein. (1 Credit hour)

*Chemistry 322: Physical Chemistry for Engineers (CHEM 322)* Lecture only. Quantum theory, spectroscopy, statistical mechanics, kinetic theory, reaction kinetics, electrochemistry and macromolecules. Prerequisites: CHEM 102 or CHEM 104; CHEN 205 and CHEN 354; MATH 152 or equivalent. (3 Credit hours)

*Chemistry 323 (CHEM 323)* Lecture only.
Chemistry 324 (CHEM 324) Lecture only.

Chemistry 325: Physical Chemistry Laboratory I (CHEM 325) Lab only. Quantitative experiments involving physical chemistry principles in areas such as thermodynamics, electrochemistry, molecular structure and equilibria using modern instrumentation. Prerequisite: CHEM 327 or registration therein. (1 Credit hour)

Chemistry 326: Physical Chemistry Laboratory II (CHEM 326) Lab only. Quantitative experiments involving physical chemistry principles in such areas as kinetics, properties of gases, phase equilibria and macromolecules using modern instrumentation. Prerequisite: CHEM 328 or registration therein. (1 Credit hour)

Organic Chemistry

Chemistry 227: Organic Chemistry I (CHEM 227) Lecture only. Introduction to chemistry of compounds of carbon; general principles and their application to various industrial and biological processes. Prerequisite: CHEM 102 or CHEM 104. Concurrent registration in CHEM 237 is suggested. (3 Credit hours)

Chemistry 228: Organic Chemistry II (CHEM 228) Lecture only. Continuation of CHEM 227. Prerequisite: CHEM 227. Concurrent registration in CHEM 238 is suggested. (3 Credit hours)

Chemistry 231: Techniques of Organic Chemistry (CHEM 231) Lab only. Techniques of organic chemistry; preparation, properties of typical organic compounds; separation, purification, analysis, and characterization of organic compounds. Prerequisites: CHEM 112 or CHEM 114; CHEM 227 or registration therein. (2 Credit hours)

Chemistry 234: Organic Synthesis and Analysis IV (CHEM 234) Lab only. The synthesis of significant types of organic compounds and study of their properties; laboratory separations of mixtures of organic substances, identification of compounds by functional group tests and preparation of derivatives; instrumental methods of separation, identification and analysis. Prerequisites: CHEM 228 or registration therein; CHEM 231 or CHEM 237. (3 Credit hours)

Chemistry 237: Organic Chemistry Laboratory (CHEM 237) Lab only. Operations and techniques of elementary organic chemistry laboratory; preparation, reactions and properties of representative organic compounds. Prerequisites: CHEM 102, CHEM 104 or CHEM 112, CHEM 114; CHEM 227 or registration therein. (1 Credit hour)

Chemistry 238: Organic Chemistry Laboratory (CHEM 238) Lab only. Continuation of CHEM 237. Prerequisites: CHEM 228 or registration therein; CHEM 237 or CHEM 231. (1 Credit hour)

Biochemistry

Biochemistry 303: Elements of Biological Chemistry (BICH 303) Lecture only. Survey of the biochemical sciences designed for the non-biochemistry major; introduction to the chemistry and metabolism of biologically important molecules, the biochemical basis of life processes, cellular metabolism and regulation. Students requiring biochemistry in greater depth should register for BICH 410 and BICH 411. Not open to biochemistry majors. Prerequisite: CHEM 222 or equivalent. (3 Credit hours)

Biochemistry 410: Comprehensive Biochemistry I (BICH 410) Lecture only. Structure, function and chemistry of proteins and carbohydrates; kinetics, mechanisms and regulation of enzymes; metabolism of carbohydrates. Not open to biochemistry or genetics majors. Prerequisite: CHEM 228 or approval of instructor. (3 Credit hours)

Biochemistry 411: Comprehensive Biochemistry II (BICH 411) Lecture only. A continuation of BICH 410. Structure, function, chemistry and metabolism of lipids and nucleic acids; cellular metabolism viewed from the standpoint of energetics and control mechanisms; interrelationships of metabolic pathways. Not open to biochemistry or genetics majors. Prerequisite: BICH 410. (3 Credit hours)

Biochemistry 412: Biochemistry Laboratory I (BICH 412) Lab only. Selected methods used to identify, isolate, purify and characterize biomolecules. Not open to biochemistry or genetics majors. Prerequisite: BICH 410 or registration therein. (1 Credit hour)

Biochemistry 413 (BICH 413). Lab only.

Biochemistry 440: Biochemistry I (BICH 440) Lecture only. Rigorous treatment of the structure, function and chemistry of proteins and carbohydrates; kinetics, mechanisms and regulation of enzymes; metabolism of carbohydrates. Course designed for biochemistry and genetics majors and honors students only. Prerequisite: CHEM 228 or approval of instructor. (3 Credit hours)

Biochemistry 441: Biochemistry II (BICH 441) Continuation of BICH 440; structure, function, chemistry and metabolism of lipids and nucleic acids,
cellular metabolism viewed from the standpoint of energetics and control mechanisms; interrelationships of metabolic pathways. Course designed for biochemistry and genetics majors and honors students only. Prerequisite: BICH 440. (3 Credit hours)

Biochemistry 450: Genomics (BICH 450). Lecture /Lab combo. The study of genomic data includes consideration of the logic behind the most important genomic approaches, as well as their capabilities and limitations in investigating biological processes; the science of accessing and manipulating genomic data; and practical applications, including development of an hypotheses-driven data mining experiment. Prerequisites: BIOL 213, GENE 301 or GENE 302, BICH 431 or GENE 431, or BIOL 351; junior or senior classification or approval of instructor. Cross-listed with BIOL 450. (4 Credit hours)

(VTPB 489) Lecture only Selected topics in an identified area of microbiology, pathology, genetics, immunology, parasitology, or physiological chemistry. May be repeated for credit. Prerequisites: Junior or senior classification and approval of department head. (1 TO 4 Credit hours)

Physics

Physics 201: College Physics (PHYS 201) Lecture/Lab combo. Fundamentals of classical mechanics, heat, and sound. Primarily for architecture, education, premedical, predental, and preveterinary medical students. (4 Credit hours)

Physics 202: College Physics (PHYS 202) Lecture/Lab combo. Continuation of PHYS 201. Fundamentals of classical electricity and light; introduction to contemporary physics. Prerequisite: PHYS 201. (4 Credit hours)

Physics 208: Electricity and Optics (PHYS 208) Lecture/Lab combo. Continuation of PHYS 218. Electricity, magnetism and introduction to optics. Primarily for engineering students. Prerequisites: Electricity, magnetism, and introduction to optics. Primarily for students in science and engineering. (4 Credit hours)

Physics 218: Mechanics (PHYS 218) Lecture/Lab combo. Mechanics for students in science and engineering. Prerequisite: MATH 151 or MATH 171 or registration therein. (4 Credit hours)

Physics 219 (PHYS 219). Lecture/Lab combo.

Physics 221: Optics and Thermal Physics (PHYS 221) Lecture only. Wave motion and sound, geometrical and physical optics, kinetic theory of gases, laws of thermodynamics. Prerequisites: PHYS 208; MATH 152 or MATH 172; registration in MATH 221, MATH 308. (3 Credit hours)

Physics 222: Modern Physics for Engineers (PHYS 222. Lecture only. Atomic, quantum, relativity and solid state physics. Prerequisites: PHYS 208 or PHYS 219; MATH 308 or registration therein. (3 Credit hours)

Physics 304: Advanced Electricity and Magnetism I (PHYS 304) Lecture only. Electrostatics; dielectrics; electrical current and circuits; magnetic fields and materials; induction; Maxwell's equations. Prerequisites: PHYS 221; PHYS 331; concurrent enrollment in PHYS 332; junior or senior classification. (3 Credit hours)

Physics 324 (PHYS 324). Lab only.
Physics 325 (PHYS 325). Lab only.
Physics 326 (PHYS 326). Lab only.

Calculus

Math 131: Mathematical Concepts-Calculus (MATH 131) Limits and continuity; rates of change, slope; differentiation: the derivative, maxima and minima; integration: the definite and indefinite integral techniques; curve fitting. Prerequisites: High school algebra I and II and geometry. Credit will not be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. (3 Credit hours)

Math 147: Calculus I for Biological Sciences (MATH 147) Introduction to differential calculus in a context that emphasizes applications in the biological sciences. Prerequisite: MATH 150 or equivalent or acceptable score on TAMU Math Placement Exam. Credit will not be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. (4 Credit hours)

Math 148: Calculus II for Biological Sciences (MATH 148) Introduction to integral calculus in a context that emphasizes applications in the biological sciences; ordinary differential equations and analytical geometry. Prerequisite: MATH 147 or approval of instructor. Credit will not be given for more than one of MATH 148, MATH 152 and MATH 172. (4 Credit hours)

Math 151: Engineering Mathematics I (MATH 151) Rectangular coordinates, vectors, analytic geometry, functions, limits, derivatives of functions, applications, integration, computer algebra. MATH 171 designed to be a more demanding version of this course. Prerequisite: MATH 150 or
equivalent or acceptable score on TAMU Math Placement Exam. Credit will not be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. (4 Credit hours)

Math 152: Engineering Mathematics II (MATH 152) Differentiation and integration techniques and their applications (area, volumes, work), improper integrals, approximate integration, analytic geometry, vectors, infinite series, power series, Taylor series, computer algebra. MATH 172 designed to be a more demanding version of this course. Prerequisite: MATH 151 or equivalent. Credit will not be given for more than one of MATH 148, MATH 152 and MATH 172. (4 Credit hours)

Math 171: Analytic Geometry and Calculus (MATH 171) Vectors, functions, limits, derivatives, Mean Value Theorem, applications of derivatives, integrals, Fundamental Theorem of Calculus. Designed to be more demanding than MATH 151. Prerequisite: MATH 150 or equivalent or acceptable score on TAMU Math Placement Exam. Credit will not be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. (4 Credit hours)

Math 172: Calculus (MATH 172) Techniques of integration, applications of integrals, improper integrals, sequences, infinite series, vector algebra and solid analytic geometry. Designed to be more demanding than MATH 152. Prerequisite: MATH 147, MATH 151 or MATH 171 or equivalent with a grade of C or better. Credit will not be given for more than one of MATH 148, MATH 152 and MATH 172. (4 Credit hours)

Math 221: Several Variable Calculus (MATH 221) Vector algebra and solid analytic geometry; calculus of functions of several variables; Lagrange multipliers; multiple integration, theory, methods and application; line and surface integrals, Green's and Stokes' theorems; Jacobians. Designed to be more demanding than MATH 251 and MATH 253. Prerequisite: MATH 148, MATH 152, or MATH 172. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253. (4 Credit hours)

Math 253: Engineering Mathematics III (MATH 253) Vector algebra; calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems, computer algebra. MATH 221 designed to be a more demanding version of this course. Prerequisite: MATH 148, MATH 152, or MATH 172. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253. (4 Credit hours)

Math 308: Differential Equations (MATH 308) Ordinary differential equations, solutions in series, solutions using Laplace transforms, systems of differential equations. Prerequisites: MATH 221, MATH 251, or MATH 253, or concurrent enrollment; knowledge of computer algebra system. (3 Credit hours)

Math 375: Intermediate Real Analysis (MATH 375) Development of the real numbers, limits, foundations and major theorems of calculus. Designed primarily for mathematics teacher certification. Others must have consent of instructor. Prerequisite: MATH 220 or equivalent. (3 Credit hours)

Math 405 (MATH 405)

Math 409: Advanced Calculus I (MATH 409) Axioms of the real number system; point set theory of R1; compactness, completeness and connectedness; continuity and uniform continuity; sequences, series; theory of Riemann integration. Prerequisites: MATH 220; MATH 221, MATH 251 or MATH 253. (3 Credit hours)

Math 410: Advanced Calculus II (MATH 410) Differential and integral calculus of functions defined on Rm including inverse and implicit function theorems and change of variable formulas for integration; uniform convergence. Prerequisites: MATH 304 or MATH 323; MATH 409. (3 Credit hours)

Math 417: Numerical Methods (MATH 417) Numerical methods for applications; qualitative discussion of convergence and stability properties; computer implementation; interpolation and quadrature, initial value problems, matrix decompositions, interactive solution of linear and non-linear systems, least squares approximation, boundary value problems for ordinary differential equations. Prerequisites: MATH 304, MATH 309, MATH 311, or MATH 323; MATH 308; ability to program; junior or senior classification. (4 Credit hours)

Statistics 201: Elementary Statistical Inference (STAT 201) Data collection, tabulation and presentation; elementary description of the tools of
statistical inference; probability, sampling and hypothesis testing; applications of statistical techniques to practical problems. May not be taken for credit after or concurrently with any other course in statistics or SCMT 303. (3 Credit hours)

Statistics 211: Principles of Statistics I (STAT 211) Introduction to probability and probability distributions; sampling and descriptive measures; inference and hypothesis testing; linear regression, analysis of variance. Prerequisite: MATH 152 or MATH 172. (3 Credit hours)

Statistics 301: Introduction to Biometry (STAT 301) Intended for students in animal sciences. Introduces fundamental concepts of biometry including measures of location and variation, probability, tests of significance, regression, correlation and analysis of variance which are used in advanced courses and are being widely applied to animal-oriented industry. Credit will not be allowed for more than one of STAT 301, STAT 302 or STAT 303. Prerequisite: MATH 141 or MATH 166 or equivalent. (3 Credit hours)

Statistics 302: Statistical Methods (STAT 302) Intended for undergraduates in the biological sciences. Introduction to concepts of random sampling and statistical inference; estimation and testing hypotheses of means and variances; analysis of variance; regression analysis; chi-square tests. Credit will not be allowed for more than one of STAT 301, STAT 302 or STAT 303. Prerequisite: MATH 141 or MATH 166 or equivalent. (3 Credit hours)

Statistics 303: Statistical Methods (STAT 303) Intended for undergraduates in the social sciences. Introduction to concepts of random sampling and statistical inference, estimation and testing hypotheses of means and variances, analysis of variance, regression analysis, chi-square tests. Credit will not be allowed for more than one of STAT 301, STAT 302 or STAT 303. Prerequisite: MATH 141 or MATH 166 or equivalent. (3 Credit hours)

Statistics 414: Mathematical Statistics I (STAT 414) Introduction to the mathematical theory of statistics, including random variables and their distributions, expectation and variance, point estimation, confidence intervals and hypothesis testing. Prerequisite: MATH 221, MATH 251 or MATH 253. (3 Credit hours)

Supply Chain Management 303: Statistical Methods (SCMT 303) Collection, tabulation and presentation of numerical data; sampling, estimation of averages and variation, probability and error, hypothesis testing and correlation. Prerequisite: Admission to upper division in Mays Business School. (3 Credit hours)

English

English 104: Composition and Rhetoric (ENGL 104) Focus on referential and persuasive researched essays through the development of analytical reading ability, critical thinking and library research skills; for freshman and sophomore students only. (3 Credit hours)

English 201: Approaches to Literacy (ENGL 201) Origins, functions, and philosophies of literacy; theories of text analysis; development of a broader concept of literacy; enhancement of instruction of communication skills. Prerequisite: ENGL 104. (3 Credit hours)

English 203: Writing About Literature (ENGL 203) Exploration of literature by genre and/or theme; literary analysis and interpretation; intensive writing about literature. (3 Credit hours)

English 204: Introduction to African-American Literature (ENGL 204) Introduction to the writings of African Americans from the 18th century to the present, emphasizing the major themes and traditions. Cross-listed with AFST 204. (3 Credit hours)

English 205: Introduction to Africana Literature (ENGL 205) Works, literary movements and genres of authors of African descent in the Americas, Europe and Africa. Prerequisite: ENGL 104. Cross-listed with AFST 205. (3 Credit hours)

English 209: Introduction to Linguistics (ENGL 209) Nature of human language and of linguistics; includes an introduction to phonology, syntax, semantics and morphology and the role of spoken and written discourse in sustaining societal arrangements. Cross-listed with LING 209. Credit cannot be given for both ENGL 209 and LING 209. (3 Credit hours)

English 210: Technical and Business Writing (ENGL 210) Focus on writing for professional settings; correspondence and researched reports fundamental to the technical and business workplace—memoranda, business letters, research proposals and presentations, use of graphical and document design; emphasis on audience awareness, clarity of communication and collaborative team-work. (3 Credit hours)

English 212: Shakespeare (ENGL 212) Exploration of selected works of Shakespeare. (3 Credit hours)

English 219: Literature and the Other Arts (ENGL 219) Imaginative literature in conversation with aesthetic principles and such other arts as painting, sculpture, architecture, film and music. (3 Credit hours)

English 221: World Literature (ENGL 221) Survey of world literature from the ancient world through the sixteenth century in relation to its historical and cultural contexts; texts selected from a diverse group of authors, traditions and genres. Cross-listed with MODL 221. (3 Credit hours)
English 222: World Literature (ENGL 222) Survey of world literature from the seventeenth century to the present in relation to its historical and cultural contexts; texts selected from a diverse group of authors, traditions and genres. Cross-listed with MODL 222. (3 Credit hours)

English 224 (ENGL 224)

English 227: American Literature: The Beginnings to Civil War (ENGL 227) Representative writers, genres and movements of the period. (3 Credit hours)

English 228: American Literature: Civil War to Present (ENGL 228) Expressions of the American experience in realism, regionalism and naturalism; varieties of modernist and contemporary writing; the rise of ethnic literature and experimental literary forms. (3 Credit hours)

English 231: Survey of English Literature I (ENGL 231) Literature of England from Anglo-Saxon times through the 18th century. (3 Credit hours)

English 232: Survey of English Literature II (ENGL 232) Literary works from the late 18th century to the 21st century by authors in Great Britain and its colonies. (3 Credit hours)

English 235: Elements of Creative Writing (ENGL 235) Initiation into the craft of creative writing in prose and poetry; extensive reading in the genres; peer workshops. (3 Credit hours)

English 236 (ENGL 236)

English 241: Advanced Composition (ENGL 241) Focuses on the writing of advanced academic and professional prose by integrating computer technology in the analysis and production of that prose. (3 Credit hours)

English 251: Introduction to Film Analysis (ENGL 251) Fundamental aspects of film analysis and criticism. Cross-listed with FILM 251. (3 Credit hours)

English 260 (ENGL 260)

English 301 (ENGL 301)

English 308: History of Literary Criticism (ENGL 308) History of literary thought from antiquity to the present, including writers such as Plato, Aristotle, "Longinus," Sidney, Shelley, and Dryden; analysis of genres such as tragedy, lyric, and film; critical approaches such as new criticism, structuralism, deconstruction, Marxism, feminism, new historicism, and film studies. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 310: History of the English Language (ENGL 310) Phonological, grammatical and lexical history of the English language; brief discussion of some other Indo-European languages; principles of linguistic change, as reflected in English. Prerequisite: LING 209 or ENGL 209. Cross-listed with LING 310. Credit cannot be given for both ENGL 310 and LING 310. (3 Credit hours)

English 311 (ENGL 311).

English 312 (ENGL 312).

English 313: Medieval English Literature (ENGL 313) Old and Middle English literature exclusive of Chaucer, including such authors and works as Beowulf, The Dream of the Rood, Sir Gawain and the Green Knight, Piers Plowman, Malory, Julian of Norwich, Kempe, the mystery plays and the lyrics. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 314: The English Renaissance (ENGL 314) Period course in the poetry, prose and drama of England in the 16th century. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 315: Seventeenth-Century Literature (ENGL 315) Period course in English poetry, prose and drama of the 17th century. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 316: Eighteenth-Century Literature and Culture (ENGL 316) Period course in English poetry, prose and drama of the 18th century. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 317: Early British Drama (ENGL 317) Period course in early British, non-Shakespearean drama to 1642. Prerequisite: 3 credits of literature at the 200-level or above. (3 Credit hours)

English 319:
English 320: Technical Editing and Writing (ENGL 320) Clarifying, reducing, expanding and synthesizing such technical materials created by others as manuals, annual reports, and technical articles and reports; audience adaptation, invention, organization, style and mechanics explored. Prerequisite: ENGL 210. (3 Credit hours)

English 321: Nineteenth-Century Literature (Romantic) (ENGL 321). Representative texts in English generated throughout the British Empire in the late-18th and early-19th centuries. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 322: Nineteenth-Century Literature (Victorian) (ENGL 322). Period course in English poetry and prose of major Victorian authors. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 323: The American Renaissance (ENGL 323) Period course in the American Renaissance, covering such writers as Emerson, Hawthorne, Thoreau, Alcott, Fuller, Douglass, Melville, Poe, Stowe and Whitman. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 329: African-American Literature Pre-1930 (ENGL 329) Major works of the African-American literary tradition from the 18th century to 1930 studied within cultural and historical context. Prerequisites: 3 credits of literature at 200-level or above. Cross-listed with AFST 329. (3 Credit hours)

English 330: Arthurian Literature (ENGL 330) Legend of King Arthur in English and American literature from its Medieval origins to the present. Prerequisite: Junior or senior classification. (3 Credit hours)

English 333: Gay and Lesbian Literature (ENGL 333) Gay and lesbian literature from classical times to present, studied in its historical and cultural context. Prerequisite: Junior or senior classification. Cross-listed with WGST 333. (3 Credit hours)

English 334: Science Fiction Present and Past (ENGL 334) Origins and development of the science fiction genre. Prerequisite: Junior or senior classification. (3 Credit hours)

English 335:

English 336: Life and Literature of the Southwest (ENGL 336) Exploration of Southwestern literature, including such authors as Abbey, Anaya, Cabeza de Vaca, Cather, Krutch, McCarty, Momaday, Paz, Paredes and Porter. Prerequisite: Junior or senior classification. (3 Credit hours)

English 337: Life and Literature of the American South (ENGL 337) Study of writing and culture of the American South based on reading and analysis of key texts by representative authors. Prerequisite: Junior or senior classification. (3 Credit hours)

English 338: American Ethnic Literature (ENGL 338). Multi-ethnic study of American Literature, the writings of Black Americans, American Indians, Latinos/Latinas, Jewish Americans, as well as other ethnic groups. Prerequisite: Junior or senior classification. (3 Credit hours)

English 339: African-American Literature Post-1930 (ENGL 339). Major works of the African-American literary tradition from the 1930s to the present studied in their cultural and historical context. Prerequisites: 3 credits of literature at 200-level or above. Cross-listed with AFST 339. (3 Credit hours)

English 340: Modern and Contemporary Drama (ENGL 340) Representative plays and performances from the late nineteenth century to the present. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 345: Writers’ Studies: Prose or Poetry (ENGL 345) A different topic for fiction writers or poets each term; may include historical development of genres; connection between biography and artistic production; study of writers’ theories of the art of fiction or poetry. Prerequisites: ENGL 235; junior or senior classification. (3 Credit hours)

English 346:

English 347: Writers’ Workshop: Prose (ENGL 347). Production of advanced, complete stories; peer workshops; extensive reading. May be repeated 1 time for credit. Prerequisite: ENGL 235; junior or senior classification or approval of instructor. (3 Credit hours)

English 348: Writers’ Workshop: Poetry (ENGL 348). Production of advanced, complete poems; peer workshops; extensive reading. May be repeated 1 time for credit. Prerequisite: ENGL 235; junior or senior classification or approval of instructor. (3 Credit hours)

English 350: Twentieth-Century Literature to World War II (ENGL 350). Novelists, poets and dramatists writing in English from the late nineteenth to mid-twentieth century. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)
English 351: Advanced Film (ENGL 351). A different film topic each term; sample topics: major directors, historical periods, fiction into film, film genres. May be repeated for credit. Prerequisite: FILM 251 or FILM 301 or approval of instructor; junior or senior classification. Cross-listed with FILM 351. (3 Credit hours)

English 352: Literature, World War II to Present (ENGL 352). Novelists, poets and dramatists from the World War II era to the present. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 353: History of Rhetoric (ENGL 353). Exploration of the major approaches to the theory and practice of oral and written rhetoric and discourse up to the end of the 19th century. Prerequisite: Junior or senior classification. (3 Credit hours)

English 354: Modern Rhetorical Theory (ENGL 354). Study of 20th and 21st century rhetorical theories and theorists; focus on relationships among rhetoric and culture, such as rhetoric in oral and textual communities, rhetoric as a method of literary interpretation, rhetoric and linguistics, rhetoric as theorized and taught across academic communities. Prerequisite: Junior or senior classification. (3 Credit hours)

English 355: The Rhetoric of Style (ENGL 355). Fosters an appreciation for and better understanding of English prose style; the history of English prose; representative prose models for analysis and imitation; the impact of computer analysis. Prerequisite: Junior or senior classification. (3 Credit hours)

English 356: Literature and Film (ENGL 356). Novels and films based on them; writers and filmmakers such as Virginia Woolf, John Steinbeck, John Ford, Sally Potter, John Huston, Charlotte Bronte and Peter Bogdonavich. Prerequisites: 3 credits of literature at the 200-level; junior or senior classification or approval of instructor. Cross-listed with FILM 356. (3 Credit hours)

English 360: Literature for Children (ENGL 360). Representative writers, genres, texts and movements. Prerequisite: Junior or senior classification. (3 Credit hours)

English 361: Young Adult Literature (ENGL 361). Survey of historical and contemporary literature for adolescents, including such forms as fantasy, domestic fiction, and the problem novel. Prerequisite: Junior or senior classification. (3 Credit hours)

English 362: Latino/a Literature (ENGL 362). Literature by U.S.-based Latino/a authors writing mostly in English; examination of historical and social contexts of cultural production; may include novels, poetry, short stories, plays, and films to gain understanding of aesthetic expression of diverse Latino/a authors, including but not limited to Mexican Americans, Puerto Ricans, Cuban Americans, and Dominican Americans. Prerequisite: Junior or senior classification. Cross-listed with HISP 362. (3 Credit hours)

English 365: The Bible as Literature (ENGL 365). Narrative, structural, and thematic study of the Hebrew and Christian Scriptures in English translation. Prerequisite: Junior or senior classification. Cross-listed with RELS 360. (3 Credit hours)

English 374: Women Writers (ENGL 374). History of literature by women in English; emphasis on continuity of ideas and on literary contributions; study of a variety of genres with particular attention to the significance of gender in the racial, social, sexual and cultural contexts of women writing in English. Prerequisite: Junior or senior classification. Cross-listed with WGST 374. (3 Credit hours)

English 375: Nineteenth-Century American Novel (ENGL 375). An exploration of the development of the American novel; study of representative novels from the early national period, the American Renaissance, and realism and naturalism. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 376: The American Novel Since 1900 (ENGL 376). Representative novels of 20th and 21st century American writers; emphasis on varied literary movements and on thematic and formal innovations as reflections of/responses to social transformations in American society since 1900. Prerequisite: Junior or senior classification. (3 Credit hours)

English 377: The British Novel to 1870 (ENGL 377). Representative works illustrating the development of the novel, by writers resident in Great Britain and its colonies, from its beginnings to the late nineteenth century. Prerequisite: 3 credits of literature at 200-level or above. (3 Credit hours)

English 378: The British Novel, 1870 to Present (ENGL 378). Representative works illustrating development of the novel by writers resident in Great Britain and its colonies from the late nineteenth century forward. Prerequisite: Junior or senior classification. (3 Credit hours)

English 385: Playwriting (ENGL 385) The craft of writing plays and practical experience in writing plays of various lengths; structure, building of ideas into dramatic situations, use of dialogue and movement. Prerequisite: ENGL 235; junior or senior classification or approval of instructor. (3 Credit hours)
English 390: Studies in British Literature (ENGL 390) Exploration of a significant topic or period in British literature; features current faculty research on such topics as Victorian fantasy literature, social identity in medieval Britain and Ireland and children in film. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification. (3 Credit hours)

English 392: Studies in Literature, Religion and Culture (ENGL 392). Exploration of literature treating significant religious topics in the context of cultural setting; features current faculty research on such topics as Tolkien and the making of myth, C.S. Lewis, texts and cultures of the Middle East and Victorian women writers and religion. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification. Cross-listed with RELS 392. (3 Credit hours)

English 393: Studies in Africana Literature and Culture (ENGL 393) Literary movements, genres, groups of authors, topics or issues in the literature and culture of people of African descent. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification or approval of instructor. Cross-listed with AFST 393 (3 Credit hours)

English 394: Studies in Genre (ENGL 394). Theory and practice of a single genre including analysis of its history and development; features current faculty research on such topics as women standup comics, British short stories and Irish history on stage and screen. May be repeated once for credit. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification. (3 Credit hours)

English 396: Studies in American Literature (ENGL 396) Exploration of a significant topic or period in American literature; features current faculty research on such topics as Asian-American women writers, American music and literature and American Gothic. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification. (3 Credit hours)

English 401: Studies in American Literature (ENGL 401). Exploration of a significant topic or period in American literature; features current faculty research on such topics as Asian-American women writers, American music and literature and American Gothic. Prerequisites: 3 credits of literature at 200-level or above; junior or senior classification. (3 Credit hours)

English 410:

English 412: Studies in Shakespeare (ENGL 412). Advanced study of a significant topic in Shakespeare. Prerequisites: 3 credits of literature at the 300-level; junior or senior classification. (3 Credit hours)

English 414: Milton (ENGL 414) In-depth study of poetry and selected prose works of John Milton. Prerequisite: 3 credits of literature at the 300-level; junior or senior classification. (3 Credit hours)

English 415: Studies in a Major Author (ENGL 415). Exploration of a major author as a vehicle for emphasizing intensive analysis, scholarship and literary criticism. Prerequisite: 3 credits of literature at 300-level; junior or senior classification. (3 Credit hours)

English 431: Chaucer (ENGL 431) Intensive analysis of Chaucer's works in Middle English, including engagement with published criticism and scholarship. Prerequisite: 3 credits of literature at 300-level; junior or senior classification. (3 Credit hours)

English 461: Advanced Syntax and Rhetoric (ENGL 461). Points of view toward language study; traditional syntax; points of view toward rhetoric; Christensen's rhetoric of the paragraph; analysis of written discourse. Prerequisite: Senior classification or approval of instructor. (3 Credit hours)

English 465:

English 474: Studies in Women Writers (ENGL 474). A different topic each term examining women's writing through historical period, genre, cross-cultural study and/or feminist literary theory. May be repeated for credit. Prerequisites: 3 credits of literature at the 300-level; junior or senior classification. Cross-listed with WGST 474. (3 Credit hours)