

**Degree Description**

<b>Semester I</b>	<b>Hours</b>
<a href="#">ENGL 1301 Composition I</a> <i>or</i> <a href="#">ENGL 2311 Technical &amp; Business Writing</a>	3 hours
<a href="#">BIOL 2401 Anatomy &amp; Physiology I</a>	4 hours
<a href="#">MATH 1314 College Algebra</a> <i>or</i> <a href="#">MATH 1332 Contemporary Mathematics (Quantitative Reasoning)</a> <i>or</i> <a href="#">MATH 1342 Elementary Statistical Methods</a> <sup>1</sup>	3 hours
<a href="#">EDUC 1100 Learning Framework</a>	1 hour
<a href="#">Arts elective</a>	3 hours
	<b>14 hours</b>

<b>Semester II</b>	<b>Hours</b>
<a href="#">PSYC 2301 General Psychology</a> <i>or</i> <a href="#">SOCL 1301 Introduction to Sociology</a> <sup>1</sup>	3 hours
<a href="#">BIOL 2402 Anatomy &amp; Physiology II</a>	4 hours
<a href="#">HIST 1301 United States History I</a>	3 hours
<a href="#">HPRS 2300 Pharmacology for Health Professions</a>	3 hours
<a href="#">HPRS 1206 Essentials of Medical Terminology</a>	2 hours
	<b>15 hours</b>

<b>Semester III</b>	<b>Hours</b>
<a href="#">HIST 1302 United States History II</a>	3 hours
<a href="#">GOVT 2305 Federal Government</a>	3 hours
<a href="#">BIOL 2420 Microbiology for Non-Science Majors</a>	4 hours
<a href="#">HPRS 2301 Pathophysiology</a>	3 hours
<a href="#">HPRS 2331 General Health Professions Management</a>	3 hours
	<b>16 hours</b>

<b>Semester IV</b>	<b>Hours</b>
<a href="#">SPCH 1311 Introduction to Speech Communication</a> <i>or</i> <a href="#">SPCH 1315 Public Speaking</a> <i>or</i> <a href="#">SPCH 1318 Interpersonal Communication</a>	3 hours
<a href="#">GOVT 2306 Texas Government</a>	3 hours
<a href="#">HITT 1311 Health Information Systems</a>	3 hours
<a href="#">PHIL 2306 Introduction to Ethics</a>	3 hours
<a href="#">Elective</a> <sup>1</sup>	3 hours
	<b>15 hours</b>

**Total hours: 60 hours**

<sup>1</sup> See Advisor

## Electives/General Education Courses

### Arts

<a href="#">ARTS 2316 Painting I</a>	3 hours
<a href="#">ARTS 2317 Painting II</a>	3 hours
<a href="#">ARTS 2326 Sculpture</a>	3 hours
<a href="#">ARTS 2346 Ceramics I</a>	3 hours
<a href="#">ARTS 2347 Ceramics II</a>	3 hours
<a href="#">ARTS 2348 Digital Media</a>	3 hours
<a href="#">ARTS 2356 Photography I (Fine Arts Emphasis)</a>	3 hours
<a href="#">ARTS 2357 Photography II (Fine Arts Emphasis)</a>	3 hours
<a href="#">ARTS 2389 Academic Cooperative</a>	3 hours

# Course Descriptions

## ENGL 1301 Composition I

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis is on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus is on writing the academic essay as a vehicle for learning, communication, and critical analysis. Note: ENGL 1301 is a pre-requisite for all 2000-level literature courses. Prerequisite: TSI complete in Writing or the equivalent. Semester Hours 3 (3 lec)

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## ENGL 2311 Technical & Business Writing

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice of individual and collaborative processes involved in the creation of ethical and efficient documents. Prerequisite: TSI complete in Writing or the equivalent. Semester Hours 3 (3 lec)

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## BIOL 2401 Anatomy & Physiology I

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, and nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. NOTE: Must have passed the reading and writing portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 4 (3 lec/3 lab)

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## MATH 1314 College Algebra

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Graphing calculator required. Prerequisite: TSI math complete or MATH 0311. Semester Hours 3 (3 lec)

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## MATH 1332 Contemporary Mathematics (Quantitative Reasoning)

Intended for Non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered. Graphing calculator required. Prerequisite: TSI math complete or MATH 0308. Semester Hours 3 (3 lec)

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## MATH 1342 Elementary Statistical Methods

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. Graphing calculator required. Prerequisite: TSI math complete or MATH 0308 or completion of college-level math course. Semester Hours 3 (3 lec)

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## EDUC 1100 Learning Framework

A study of the: 1) research and theory in the psychology of learning, cognition, and motivation; 2) factors that impact learning; and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross-listed as PSYC 1100.) Semester Hour 1 (1 lec)

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## PSYC 2301 General Psychology

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 3 (3 lec)

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## SOCI 1301 Introduction to Sociology

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. Semester Hours 3 (3 lec)

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## BIOL 2402 Anatomy & Physiology II

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Prerequisite: BIOL 2401 with a grade of C or better. Semester Hours 4(3 lec/3 lab)

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## HIST 1301 United States History I

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 3 (3 lec)

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## HPRS 2300 Pharmacology for Health Professions

A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Prerequisite: a course in anatomy and physiology or medical terminology or consent of division director. Semester Hours 3 (3 lec)

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## HPRS 1206 Essentials of Medical Terminology

A study of medical terminology, word origin, structure, and application. Semester Hours 2 (2 lec)

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## HIST 1302 United States History II

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 3 (3 lec)

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## GOVT 2305 Federal Government

Origin and development of the U.S. Constitution; structure and powers of the national government including the legislative, executive, and judicial branches; federalism; political participation; the national election process; public policy; civil liberties; and civil rights. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 3 (3 lec)

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## BIOL 2420 Microbiology for Non-Science Majors

This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health. Prerequisite: BIOL 1406, 1408, 1409, 2401 or 2404 with a grade of C or better. Semester Hours 4 (3 lec/3 lab)

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### **HPRS 2301 Pathophysiology**

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. Prerequisite: A course in anatomy and physiology or medical terminology or consent of division director. Semester Hours 3 (3 lec)

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### **HPRS 2331 General Health Professions Management**

Exploration and application of management concepts necessary for effective health profession operations; introduces typical roles of the manager in the health care setting and foundations of health care marketing, quality and performance improvement, strategic planning, leadership, and teamwork. Semester Hours 3 (lec 3)

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### **SPCH 1311 Introduction to Speech Communication**

Introduces basic human communication principles and theories embedded in a variety of contexts, including interpersonal, small group, and public speaking. Semester Hours 3 (3 lec)

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### **SPCH 1315 Public Speaking**

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. Semester Hours 3 (3 lec)

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### **SPCH 1318 Interpersonal Communication**

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts, including friendships, romantic partners, families, and relationships with co-workers and supervisors. Semester Hours 3 (3 lec)

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### **GOVT 2306 Texas Government**

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. NOTE: Must have passed the reading portion of the TSI Assessment or have credit for INRW 0302 or INRW 0402. Semester Hours 3 (3 lec)

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### **HITT 1311 Health Information Systems**

Introduces health IT standards, health-related data structures, software applications and enterprise architecture in health care and public health. Semester Hours 3 (2 lec/3 lab)

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### **PHIL 2306 Introduction to Ethics**

The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value. Semester Hours 3 (3 lec)

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### **ARTS 2316 Painting I**

Studio art course that introduces the fundamental principles, materials, and techniques of painting. Exploration of ideas using painting media and techniques with emphasis on color and composition. Includes practice in illusionism (using media to make images appear real) and creative development. Prerequisites (for art majors only): ARTS 1312 and 1317 or consent of the instructor. Semester Hours 3 (6 lec/studio plus 3 hours minimum out of class).

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### **ARTS 2317 Painting II**

Studio art course that furthers the study of the principles, materials, and techniques of painting. Exploration of ideas using painting media and techniques with emphasis on color and composition. Includes practice in illusionism (using media to make images appear real) and creative development. Prerequisites (for art majors only): ARTS 2316 or consent of the instructor. Semester Hours 3 (6 lec/studio plus 3 hours minimum out of class)

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### **ARTS 2326 Sculpture**

A studio art course that introduces the materials, processes, and issues pertaining to the making of three-dimensional objects and environments. The course explores the use of varied materials and techniques along with the formal and conceptual principles that form the basis of contemporary sculpture. Exploration of ideas using sculpture media and techniques, including additive and subtractive techniques. Prerequisites (for art majors only): ARTS 1312 and 1317 or consent of the instructor. Semester Hours 3 (6 lec/studio plus 3 hours minimum out of class)

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### **ARTS 2346 Ceramics I**

A studio art course that introduces basic building, throwing, and other techniques as it relates to the design and production of ceramic sculpture and pottery. Exploration of ideas using basic ceramic processes, including hand-built pottery, wheel-thrown pottery and glazing techniques. Prerequisites (for art majors only): ARTS 1312 and 1317 or consent of instructor. Semester Hours 3 (6 lec/studio)

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### **ARTS 2347 Ceramics II**

A studio art course that furthers the study of building, throwing, and other techniques as it relates to the design and production of ceramic sculpture and pottery. Exploration of ideas using basic ceramic processes, including hand-built pottery, wheel-thrown pottery and glazing techniques. Prerequisites (for art majors only): ARTS 2346 or consent of instructor. Semester Hours 3 (6 lec/studio)

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### **ARTS 2348 Digital Media**

Studio art course that introduces the potential of basic digital media manipulation and graphic creation. The course emphasizes still and time-based media. Explores the potential of the computer hardware and software medium for visual, conceptual and practical uses in the visual arts. Prerequisites (for art majors): ARTS 1316 and 1317 (Drawing), ARTS 1311 and 1312 (Design), and ARTS 2356 (Photography). No prerequisite for non-majors. Semester Hours 3 (3 lec/3 lab)

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### **ARTS 2356 Photography I (Fine Arts Emphasis)**

A studio art course that introduces the technical and conceptual basics of photography as a creative medium. Introduction to the basics of photography. Includes camera operation, techniques, knowledge of chemistry, and presentation skills. Emphasis is on design, history, and contemporary trends as a means of developing an understanding of photographic aesthetics. Semester Hours 3 (3 lec/3 lab)

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### **ARTS 2357 Photography II (Fine Arts Emphasis)**

A studio art course that furthers the study of the technical and conceptual basics of photography as a creative medium. Extends the students' knowledge of technique and guides them in developing personal outlooks toward specific applications of the photographic process. Prerequisite: ARTS 2356 or consent of instructor. Semester Hours 3 (3 lec/3 lab)

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### **ARTS 2389 Academic Cooperative**

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the student will set specific individual goals and objectives in the study of studio art and/or art history. Prerequisites: ARTS 1312 and 1317 and consent of instructor. Semester Hours: 3 (2 lec/3 lab)

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