

- EET 357L Electronic Communications I Laboratory (NC).** Concurrent enrollment: EET 357. (Alt F)
- EET 421 Special Problems (1–2).** May be repeated for a maximum of 6 hours.
- EET 437 Electronic Circuit Design/Analysis (3).** A continuation of Operational Amplifiers course. The materials covered in this course include transistors modeling, transistors small signal analysis, transistors frequency response and compound configurations. Prerequisites: EET 337/337L. Concurrent enrollment: EET 437L. (Alt S)
- EET 437L Electronic Circuit Design/Analysis Laboratory (NC).** Concurrent enrollment: EET 437. (Alt S)
- EET 441 Circuit Design with PLDs (3).** Topics include study of design techniques used in digital electronics from programmable logic perspectives. A comparison between PLDs approach to that of using hardwired design is conducted. Prerequisite: EET 242. Concurrent enrollment: EET 441L. (F)
- EET 441L Circuit Design with PLDs Laboratory (NC).** Concurrent enrollment: EET 441. (F)
- EET 450 Control Systems (3).** Materials for this course include feedback theory of control systems and the principles of continuous and discrete control systems. Prerequisites: EET 310/310L, 337/337L, 357. Concurrent enrollment: EET 450L. (Alt S)
- EET 450L Control Systems Laboratory (NC).** Concurrent enrollment: EET 450. (Alt S)
- EET 457 Electronic Communications II (3).** The course presents advanced materials within modern electronic communications. Materials include microwave devices, fiber optics and radio-wave propagation. Digital and data communication, and system noise sources are also investigated. Prerequisites: EET 357/357L. Concurrent enrollment: EET 457L. (Alt S)
- EET 457L Electronic Communications II Laboratory (NC).** Concurrent enrollment: EET 457. (Alt S)
- EET 468 Workshop in Engineering Technology (1–3).** As announced. (May be repeated for a maximum of 6 credits.) (TBA)
- EET 472 Microprocessor and Microcomputer Interfacing (3).** Design of microcontroller applications using evaluation boards. Interfacing to external memory and I/O devices. Study of A/D and D/A conversions. Prerequisite: EET/CS 340. Concurrent enrollment: EET 472L. (S)
- EET 472L Microprocessor and Microcomputer Interfacing Laboratory (NC).** Concurrent enrollment: EET 472. (S)
- EET 489 Industrial Internship (3).** For three (3) hours credit a student must be employed for a minimum of 20 hours per week during a regular semester and 40 hours per week during the summer semester. Prerequisite: consent of department committee.
- EET 490 Special Project (3).** Engineer Technology project with particular emphasis on analysis, design, documentation and application to one or more practical problems. Prerequisites: EET 242, 337, 340, 357. (Alt S)
- EET 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 credits with consent of instructor/advisor.) Prerequisite: consent of instructor.
- EET 493 Topics in Engineering Technology (1–3).** (May be repeated for a maximum of 6 credits with consent of instructor or advisor.) Prerequisite: consent of instructor.

## English (ENG)

- ENG 100 Basic Writing Skills (3).** Specific instruction in basic composition, sentence construction, paragraph development and introduction to the essay. Class format includes individualized instruction. Credit will not count toward graduation. (F, S)
- ENG 102 English Composition (3).** Specific instruction in college-level reading and writing, various types/forms of academic essays, writing as a process, critical thinking, close reading and standards of academic discourse. Placement by ACT score. Must earn minimum grade of “C.” (F, S, Su)
- ENG 104 English Composition and Research (3).** A continuation of ENG 102; applies critical thinking, reading, and writing skills to research paper writing. In order to enhance students’ interdisciplinary research, special topics may be selected. Must earn minimum grade of “C.” Prerequisite: ENG 102 or 108 with a minimum grade of “C.” (F, S, Su)
- ENG 106 English as a Second Language (3).** English for the non-native speaker based on the application of modern linguistics. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.) Concurrent enrollment: ENG 106L. (F)
- ENG 106L English as a Second Language Lab (1).** Practice speaking English in a group situation: topics include cultural exchange, history, customs, current events, education and personal life experiences. Open only to students whose native language is not English. Concurrent enrollment: ENG 106. (F)
- ENG 107 English as a Second Language (3).** A continuation of ENG 106; developmental language for use in the academic and business worlds; syntactic analyses. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.) Concurrent enrollment: ENG 107L. (S)
- ENG 107L English as a Second Language Lab (1).** Continuation of ENG 106L. Concurrent enrollment: ENG 107. (S)
- ENG 108 English Composition (Honors) (3).** Writing expository and persuasive essays; enhanced critical thinking and writing skills based on reading and discussion of diverse texts related to a main topic or idea. Must earn minimum grade of “C.” Prerequisite: honors standing or consent of instructor. (F)
- ENG 109 Composition and Research (Honors) (3).** A continuation of ENG 108; applies critical thinking, reading and writing skills to scholarly research paper writing. To enhance students’ interdisciplinary research, special topics may be selected. Must earn minimum grade of “C.” Prerequisite: ENG 102 or 108 with a minimum grade of “C;” honors standing or consent of instructor. (S)
- ENG 201 Types of Literature (3).** An introduction to a literary genre. Subtitles vary by semesters. A. Short Story; B. Novel; C. Drama; D. Poetry; E. Science Fiction. (May be repeated for credit under different subtitle, with consent of instructor.) Designed primarily for non-majors. (F, S)
- ENG 211 Introduction to Literature (3).** Elements of the short story, the novel, poetry and drama: mythology, literary terms, basic techniques of each literary form; practice in writing about literature. (F, S)
- ENG 221 British Literature Survey I (3).** Overview of British literature from *Beowulf* to the eighteenth century. Prerequisite: ENG 211 recommended. (F)
- ENG 222 British Literature Survey II (3).** Overview of British literature from pre-romanticism to the contemporary period. Prerequisite: ENG 211 recommended. (S)

- ENG 235 Advanced Composition (3).** For students striving for fluency, maturity and significance in writing: short works from master writers studied for ideas, style and structure. Prerequisite: ENG 104. (Alt F, S)
- ENG 251 American Literature Survey I (3).** Literatures of U.S. territories from their beginnings in pre-colonial Native American oral narratives to 1865. Readings include creation myths, sermons, journals, essays, short stories, poetry and excerpts from novels. Prerequisite: ENG 211 recommended. (F)
- ENG 252 U. S. Literature Survey II (3).** An overview of U.S. American literatures from 1865 to the present. Prerequisite: ENG 211 recommended. (S)
- ENG 268 Workshop in English (1–3).** As announced. (May be repeated for a maximum of 6 hours.)
- ENG 275 The Motion Picture (3).** Criticism of film as an art and literary form; selected films with attention to composition and final impact. (Alt S)
- ENG 293 Topics in English (1–3).** As announced. (May be repeated for credit.)
- ENG 315 American Literature to 1835 (3).** Study of literatures in and/or concerned with the New World, including but not limited to texts from the following periods: contact/colonization, Enlightenment, Early National. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- ENG 319 U.S. Literature 1900 to present (3).** Study of literatures produced from 1900 to present. Focus may include texts from the following: Modernism, Progressivism, Symbolism, Harlem Renaissance, Contemporary, Post-Modern movements. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG/THTR 324 Workshop in Playwriting (3).**
- ENG 325 Professional and Technical Writing (3).** Techniques and forms of professional and technical writing, including reports, proposals, letters and other media. Prerequisites: ENG 102, 104. (F, S)
- ENG 327 U.S. Literature 1825 to 1900 (3).** Study of U.S. literatures produced from 1825 to 1900. Focus may include texts from Romanticism, Realism, Naturalism, Regionalism, Literatures of Social Protest, Slavery and Civil War Literatures. See schedule for specific content. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG 330 Literary Theory (3).** Survey of literary theory with an emphasis on contemporary theories, including: Structuralist, Psychoanalytic, Reader-Response, Feminist, Marxist, Cultural Materialist and New Historicist. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- ENG 335 Creative Writing (3).** Concentration on one genre of creative writing; varying subtitles: A. Fiction; B. Poetry; C. Drama/Screenplay. (Alt Su)
- ENG 340 British Literature 600–1600 (3).** Study of literatures produced between 600–1600. Focus may include, but not limited to texts from the following periods; Middle Ages, Early Modern Period to 1600. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- ENG 342 British Literature 1600–1800 (3).** Study of literature produced between 1600–1800. Focus may include, but not limited to texts from the following periods; Early Modern; Restoration; 18th Century. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG 344 British Literature 1800 to Present (3).** Study of literature produced between 1800 and present. Focus may include, but not limited to texts from the following periods; Romantic; Victorian; Modern; Contemporary. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG 376 Chicano Literature (3).** Writings of Chicano authors, particularly those of the last century. Includes accounts of Chicano life, experiences and examples of creative writing in varied types of literature. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- ENG 378 World Literatures (3).** Study of major texts in world literature including, but not limited to, classical literature, Biblical literature or other literatures in a global context. See schedule for specific content. Fulfills General Education Global/Diversity requirement. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F)
- ENG 379 Globalization/Diversity and Cultural Studies (3).** Study of thematic texts focused around central issues across cultures, including but not limited to cultural representations of race/ethnicity; working class literature/culture; cultural representations of gender. See schedule for specific content. Fulfills General Education Global/Diversity requirement. (Alt F, S)
- ENG 413 Literature of the Southwest (3).** Literature by resident authors in the Southwest since 1850; writings about the Southwest by visitors; social institutions of the country as revealed in novels, plays and poetry. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- ENG 415 Expository Writing (3).** The study of the format and content of writing that sets forth or explains in detailed statements or extended treatises. Writing assignments appropriate to the work place. Prerequisites: ENG 102, 104. (Alt F, S)
- ENG 416 Report Writing (3).** Clarifying, reducing, expanding and synthesizing materials for manuals, annual reports and technical reports. Audience adaptation, organization, style and mechanics explored. Significant analytical term report required. Prerequisites: ENG 104. (Alt F, S)
- ENG 426 American Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. ENG 426A: When offered under this rubric, course fulfills requirement for American Literature before 1825. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- ENG 430 British Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. ENG 430A: When offered under this rubric, course fulfills requirement for British Literature before 1600. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- ENG 439 World Authors/Genres/Themes (3).** Intensive courses designed to explore selected authors, literary forms or unifying cultural or ideological concepts. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)
- ENG 441 Shakespeare (3).** Close readings of Shakespeare's works. Prerequisites: ENG 211 or 221/222 or 251/252 recommended. (Alt S)
- ENG 445 English Language Studies (3).** Intensive study designed to enhance student's knowledge of linguistic structure and/or English language history. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251 or 252 recommended. (Alt S)

**ENG 447 Literary and Cultural Studies (3).** Intensive study of organizing principles, ideologies or symbols in relation to specific cultural contexts. Not limited to literary texts. See schedule for specific content. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (Alt F, S, Su)

**ENG 491 Directed Study (1–3).** Independent study. (May be repeated for a maximum of 4 hours.) Prerequisite: consent of instructor.

**ENG 493 Topics in English (1–3).** As announced. (May be repeated for credit.)

**ENG 496 Methods of Teaching Secondary English (3).** Materials, methods and procedures for improvement of instruction in composition. Includes problems connected with teaching mechanics, language structure, organization and the interpretation and appreciation of literature. Prerequisite: ENG 211 or 221/222 or 251/252 recommended. (F)

### Engineering (ENGR)

**Note:** Some math courses require prerequisites that can be fulfilled with satisfactory ACT/SAT scores. These minimum scores may be satisfied in the following ways:

For courses with MATH 107 as prerequisite, satisfactory scores are defined as

1. ACT math of 24 or higher **OR**
2. ACT math of 22 or 23 **AND** an algebra/geometry subscore of 9 **OR**
3. SAT math of 530 or higher

**ENGR/EET 101 Introduction to Engineering (3).** (S)

**ENGR/EET 111 Engineering Graphics(3).** Concurrent enrollment: ENGR/EET 111L. (F)

**ENGR/EET 111L Engineering Graphics Laboratory (NC).** Concurrent enrollment: ENGR/EET 111. (F)

### Exchange Study Programs (EXCH)

**EXCH 300 International Educational Exchange Study (9–18).** Students study in programs abroad. See Page 21.

**EXCH 305 National Student Exchange (1–18).** Students study at other universities in the United States. See Page 21.

### Family and Consumer Sciences (FCS)

**FCS 101 Orientation and Careers (1).** An introduction to the field of family and consumer sciences and the many careers for family and consumer scientists. (S)

**FCS 103 Clothing Selection and Construction (2).** Wardrobe planning/selection through evaluation of body shape, personal color, style preference and fabrics. Evaluation of apparel quality, construction techniques, fiber content, fit. Garment construction and fitting techniques. Concurrent enrollment: FCS 103L. (F)

**FCS 103L Clothing Selection and Construction Laboratory (1).** Concurrent enrollment: FCS 103. (F)

**FCS 107 Health, Safety, and Nutrition (2).** Strategies for promoting physical and mental health, appropriate nutrition and safe environments for young children.

**FCS 112 Introduction to Nutrition (3).** Study of basic nutrition principles. Selection of nutritionally sound diets for individuals and families. Computer analysis of one's diet; factors influencing diet selection. Recent developments and controversies in nutrition. (F)

**FCS 124 Child Care Basic Competencies (3).** Designed for entry level early care, education and family support professionals. Knowledge, skills and attitude development with practice in the seven early childhood education competency areas. For elective credit only. Prerequisite: consent of instructor. (F, S, Su)

**FCS 131 Consumer Education (3).** Study of the interaction of consumers, government, and domestic and foreign markets. Evaluation of consumer information and protection. Analysis of economic, social and political factors that influence buying decisions. (S)

**FCS 213 Food Science (2).** Application of food science principles to the preparation of food; physical and chemical changes that occur during preparation and storage; selection criteria, nutrient composition and food sanitation. Concurrent enrollment: FCS 213L. (F)

**FCS 213L Food Science Laboratory (1).** Concurrent enrollment: FCS 213.

**FCS 220 Professionalism in Early Childhood (2).** An examination of the code of ethics, advocacy practices and current issues of the early childhood profession.

**FCS/ELED 221 Child Growth, Development and Learning (3).** Physical, social, emotional and cognitive growth and development of the child from conception through age eight. Includes observations of children. (F)

**FCS 223 Assessment of Children and Program Evaluation (3).** Assessment strategies, including observation, for gathering and reporting information about young children. Techniques for evaluating early childhood programs.

**FCS/ELED 239 Curriculum Development and Implementation I (3).** Development of appropriate experiences and learning environments for young children through integrated content and curriculum based on social, cognitive, physical and emotional areas of development. Concurrent enrollment: FCS/ELED 239L. Prerequisite: FCS 221

**FCS/ELED 239L Curriculum Development and Implementation I Lab (2).** Supervised experience planning and participating in experiences with young children; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS/ELED 239. Prerequisite: FCS 221.

**FCS 240 Curriculum Development and Implementation II (3).** Development of appropriate experiences and learning environments for young children that integrate content and curriculum based on social, cognitive, physical and emotional areas of development. Concurrent enrollment: FCS 240L. Prerequisites: FCS 221, 239/239L.

**FCS 240L Curriculum Development and Implementation II Lab (2).** Supervised experience planning and participating in experiences with young children; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS 240. Prerequisites: FCS 221, 239/239L.

**FCS 253 Housing (2).** Economic and social aspects of the housing. Technological development, energy efficiency and housing options will be considered. Development of floor plans through the use of CAD; interpretation of blueprints. Concurrent enrollment: FCS 253L. (F)

**FCS 253L Housing Laboratory (1).** Concurrent enrollment: FCS 253. (F)

**FCS/AG/PTE 254 Information Technology in Applied Science (3).**