ENGL 1020 Composition II 3(3) Special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension. Required of all foreign students who do not make a satisfactory grade on screening examination in oral English. To be taken Pass/No Pass only. Carries no credit for graduation. Coreq: ENGL 1111.

ENGL 1111 English as a Second Language Laboratory 0(2) Non-credit laboratory to accompany ENGL 1110. Coreq: ENGL 1110.

ENGL 2120 World Literature 3(3) Introduction to selected works from the Americas, Africa, Asia, Europe, and the Middle East from ancient to modern eras, with emphasis on major authors. Includes Honors sections. Coreq: ENGL 1110.

ENGL 2130 British Literature 3(3) Introduction to selected authors and major periods of the British literary tradition, from the Middle Ages to World War II, with attention to poetry, fiction, and drama. Includes Honors sections. Coreq: ENGL 1110.

ENGL 2140 American Literature 3(3) Introduction to selected authors and major periods of the American literary tradition from 1620 to 1945. Includes Honors sections. Coreq: ENGL 1110.

ENGL 2150 Literature in 20th- and 21st-Century Contexts 3(3) Introduction to major contemporary cultural movements via selected authors in 20th- and 21st-century literature, primarily American and British, with attention to poetry, fiction, and drama since World War II. Includes Honors sections. Coreq: ENGL 1103.

ENGL 2310 Introduction to Journalism 3(3) Instruction and practice in writing for mass media; editorial responsibilities. Coreq: ENGL 1103.

ENGL 3000 Professional Development 2(2) Orientation to the English major as a discipline and as a preparation for a range of careers. Introduction to and assistance with the compilation of the digital portfolio as a place to collect, synthesize and reflect on learning.

ENGL (GW) 3010 Great Books of the Western World 3(3) Introduces Great Works minor. Includes readings about the Great Books concept, as well as various great books from the humanities, arts and natural and social sciences. Includes Honors sections. May also be offered as GW 3010. Coreq: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3040 Business Writing 3(3) Introduction to audience, context, purpose, and writing strategies for texts common in professional business settings: memoraanda, letters, reports, and proposals. Includes individual and team projects. Coreq: Junior standing.

ENGL 3100 Critical Writing About Literature 3(3) Terms and techniques for literary analysis, including close reading, vocabulary for analysis, research and writing skills, keybuilding and critical approaches. Discussion of poetry and genres preferred. Coreq or concurrent enrollment: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3120 Advanced Composition 3(3) Workshop in practical writing focusing on principles and style. Coreq: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3140 Technical Writing 3(3) Intensive, project-based application of principles of audience, context, purpose, and writing strategies of technical writing: proposals, reports, communication deliverables. Individual and team projects. Includes Honors sections. Coreq: Junior standing.

ENGL 3150 Scientific Writing and Communication 3(3) Study and practice of rhetorical conventions in professional scientific communication through the analysis and writing of major genres. Focuses on principles, strategies, and styles of scientific argumentation and audience adaptation in written, oral, and visual media. Intended for students majoring in the sciences. Coreq: ENGL 1103; and BIOL 1103; or BIOL 1110 and Junior standing.

ENGL 3320 Visual Communication 3(3) A hands-on survey of visual communication theories and practices used by technical communicators in business and industry environments. Class meets regularly in computer classrooms. Coreq: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3330 Writing for the News Media 3(3) Practical experience in gathering and writing news and feature copy for the media, preparing for an array of writing styles as demanded by the broad spectrum of print and media outlets. Examination of the modern media specialist, laws governing the profession, and journalistic ethics. Coreq: ENGL 2130.

ENGL 3370 Creative Inquiry: English 1-3(1-3) Students pursue scholarly activities individually or in teams under the direction of a faculty member. Creative Inquiry projects may be interdisciplinary. Arrangements with faculty must be established prior to registration. May be repeated for a maximum of nine credits. Coreq: Consent of instructor.

ENGL 3450 The Structure of Fiction 3(3) Introduction to the creative writing and critical study of prose fiction.

ENGL 3460 The Structure of Poetry 3(3) Introduction to the creative writing and critical study of poetry.

ENGL (THEA) 3470 The Structure of Drama 3(3) Introduction to the creative writing and critical study of drama. May also be offered as THEA 3470.

ENGL 3480 The Structure of the Screenplay 3(3) Introduction to the creative writing and critical study of the screenplay. Screenplays vary from semester to semester. May be repeated once for credit with consent of instructor.

ENGL 3490 Technology and the Popular Imagination 3(3) Examines relationship between technology and fiction and creative nonfictional texts, including print, film, and electronic media. Coreq: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3500 Mythology 3(3) Study of the great myths of the world emphasizing their applications to literature. Coreq: ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.
ENGL 3530 American Literatures of Race, Ethnicity and Migration 3(3) Examination of U.S. American literary texts that respond to the histories and competing theories of race, ethnicity, migration, empire or diaspora. May include attention to Native American, African American, Latina/o, Chicana/o, Asian American, Jewish American, and Arab American literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3540 Literature of the Middle East and North Africa 3(3) A study of literary texts of the Middle East and North Africa, with emphasis on literature originally published in languages such as Arabic, Persian, Turkish or Hebrew. Attention may be given to translation, diaspora and migration within or from the region. Conducted in English. No knowledge of foreign languages is required. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3550 Global Studies in Popular Culture 3(3) Examination of the nature, functions, history, and effect of global culture upon societies throughout our digitally connected world of various media, such as best sellers, popular magazines, television, movies, Internet, gaming platforms, and emerging electronic genres. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3560 Science Fiction 3(3) Readings in science fiction from the 17th century to the present, with special emphasis on writers since Verne and Wells. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3570 Film 3(2) Examination of the film medium as an art form: its history, how films are made, why certain types of films (western, horror movies, etc.) have become popular, and how critical theories provide standards for judging film. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150. Coreq: ENGL 3571.

ENGL 3571 Film Laboratory 0(3) Non-credit laboratory to accompany ENGL 3570. Coreq: ENGL 3570.

ENGL 3580 Special Topics for Honors Students 3(3) Varied topics of general interest in literature, language, rhetoric, or culture for all honors students. Specific topics announced each semester. May be repeated for a maximum of nine credits. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3600 British and American Women Writers 3(3) Poetry, drama, fiction, and prose by established and little-known women writers in Britain and America. Particular attention to works treating themes and issues concerning women’s lives. Readings on such topics as women and work, education, religion, creativity. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3650 Children’s Literature 3(3) Reading and analysis of literature written for readers age 12–18. Emphasis is on historical context, chief themes and motifs, and censorship issues, as well as connections with classic literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3660 Adolescent Literature 3(3) Reading and analysis of literature written for readers age 12–18. Emphasis is on historical context, chief themes and motifs, and censorship issues, as well as connections with classic literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3670 Film Laboratory 0(3) Non-credit laboratory to accompany ENGL 3670. Coreq: ENGL 3670.

ENGL 3680 American Literatures of Race, Ethnicity and Migration 3(3) Examination of U.S. American literary texts that respond to the histories and competing theories of race, ethnicity, migration, empire or diaspora. May include attention to Native American, African American, Latina/o, Chicana/o, Asian American, Jewish American, and Arab American literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3690 British Literature Survey I 3(3) Examine key texts in British literature to 1789. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3700 British Literature Survey II 3(3) Examine key texts of British literature from 1789 to the present. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3980 American Literature Survey I 3(3) Examine key texts of American literature from the Civil War to the present in historical context. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3990 American Literature Survey II 3(3) Examine key texts of American literature from the Civil War to the present in historical context. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 4000* The English Language 3(3) Studies in English usage and historical development of the language. Preq: ENGL 3100.

ENGL 4010* Grammar Survey 3(3) Survey of modern grammars with a focus on exploring the impact structural grammar has had on traditional grammar. Recommended for English teachers. Preq: ENGL 3100.

ENGL 4020* The Classics in Translation 3(3) Examination of Homer’s Iliad and Odyssey, Virgil’s Aeneid, and Ovid’s Metamorphoses. A few shorter works by other Greek and Roman writers may also be read. Preq: ENGL 3100.

ENGL 4070* The Medieval Period 3(3) Selected works of Old and Middle English literature, exclusive of Chaucer. Preq: ENGL 3100.

ENGL 4080* Chaucer 3(3) Selected readings in Middle English from The Canterbury Tales and other works by Chaucer. Preq: ENGL 3100.

ENGL 4100* Drama of English Renaissance 3(3) Selected readings on non-Shakespearean dramatic literature of the 16th and 17th centuries. Preq: ENGL 3100.

ENGL 4110* Shakespeare 3(3) Study of selected tragedies, comedies, and history plays of Shakespeare. Required of all English majors. Preq or concurrent enrollment: ENGL 3100.

ENGL 4120* Milton 3(3) Development of Milton’s art and thought from the minor poems and selected prose through Paradise Lost, Paradise Regained, and Samson Agonistes, set against the background of the late Renaissance. Preq: ENGL 3100.

ENGL 4150* The Restoration and Eighteenth Century 3(3) Readings in Dryden, Swift, Pope, and Dr. Johnson. Preq: ENGL 3100.

ENGL 4160* The Romantic Period 3(3) Readings from the poetry and critical prose of selected Victorian authors, including works of Carlyle, Tennyson, Browning, Arnold, and other representative figures. Preq: ENGL 3100.

ENGL 4170* The Victorian Period 3(3) Readings from the poetry and nonfiction prose of selected Victorian authors, including works of Carlyle, Tennyson, Browning, Arnold, and other representative figures. Preq: ENGL 3100.

ENGL 4180* The English Novel 3(3) Study of the English novel from its 18th century beginnings through the Victorian Period. Preq: ENGL 3100.

ENGL 4190* Postcolonial and World Literatures 3(3) Selected readings in postcolonial literature and theory, focusing on issues of nationalism, migration, resistance, race, language, and master narratives. Preq: ENGL 3100.

ENGL 4200* American Literature to 1799 3(3) Focused study of authors, movements, themes, critical approaches, and genres in literature of colonial and early national America from early European explorations of the continent to 1799. Preq: ENGL 3100.

ENGL 4210* American Literature from 1800 to 1899 3(3) Focused study of authors, movements, themes, critical approaches, and genres in the poetry and prose of major American authors and literary movements from the nineteenth century. Preq: ENGL 3100.

ENGL 4220* Topics in Writing Poetry 3(3) Examines the craft, technique and/or formal choices of one or more contemporary poets. Emphasizes the practice of writing poetry. Preq: ENGL 3450 or ENGL 3460 or ENGL 3470 or ENGL 3480.

ENGL 4230* Topics in Writing Fiction 3(3) Examines the craft, technique and stylistic choices of one or more contemporary fiction writers. Emphasizes the practice of writing fiction. Preq: ENGL 3450 or ENGL 3460 or ENGL 3470 or ENGL 3480.

ENGL 4250* The American Novel 3(3) Survey of the most significant forms and themes of the American novel from its beginnings to 1900. Preq: ENGL 3100.

ENGL 4260* Southern Literature 3(3) Intellectual and literary achievement of the South from 1607 to the present, with emphasis on the writers of the 19th century. Preq: ENGL 3100.

ENGL 4280* Contemporary Literature 3(3) Focuses on American, British, and other fiction, poetry, and drama from PostWorld War II to the present. Preq: ENGL 3100.

ENGL (THEA) 4290* Dramatic Literature I 3(3) Selected reading in the dramatic literature from the classical era of Greece and Rome to the Renaissance. May also be offered as THEA 4290. Preq: ENGL 3100.

ENGL (THEA) 4300* Dramatic Literature II 3(3) Principles and progress of drama from the Restoration to the present; analysis of representative plays; critical reports on discussion of trends in dramatic literature. May also be offered as THEA 4300. Preq: ENGL 3100.

ENGL 4310* Modern Poetry 3(3) The modern tradition in English and American poetry from Yeats to the present; relevant critical essays. Preq: ENGL 3100.


ENGL 4340* Environmental Literature 3(3) Survey of literature that examines the relationship between human beings and the natural world, including analysis of environmental themes in myths and legends and in selected poetry and prose of 19th- and 20th-century England and America. Preq: ENGL 3100.

ENGL 4350* Literary Criticism 3(3) Major critical approaches to literature. Preq: ENGL 3100.

ENGL (WS) 4360 Feminist Literary Criticism 3(3) Introduces the seminal works of feminist literary theory and criticism. Outlines the development of modern literary criticism by studying feminist versions of the major critical methodologies. May also be offered as WS 4360. Preq: ENGL 3100.

ENGL 4370* Directed Studies 1-3(1-3) Class and tutorial work for students with special interests or projects in American, British, or European literature outside the scope of existing courses. Applications must be approved during the registration period of the semester preceding the one in which directed studies will occur. May be repeated by arrangement with the department. Preq: ENGL 3100.

ENGL 4380 Departmental Honors Research 3(3) Research for the preparation of an honors project. Preq: ENGL 3100.

ENGL 4390 Departmental Honors Project 3(3) Preparation of an honors project. Preq: ENGL 3100.

ENGL 4400* Literary Theory 3(3) Examination of how approaches such as Marxism, Psychoanalysis, Feminism, Deconstruction, New Historicism, Post-Colonialism, Cultural Studies, and Queer Theory answer the question, “What is literature?” Preq: ENGL 3100.

ENGL 4410* Literary Editing 3(3) Examination of how the theories and practices of editing construct texts, stressing the problems and objectives of editing and providing practical experience with literary editing. Preq: ENGL 2120 or ENGL 2130 or ENGL 2340 or ENGL 2150.

ENGL 4420* Cultural Studies 3(3) Investigation of the similarities and connections between a wide variety of cultural products, events, and practices—from fast food to opera to online shopping—using theories ranging from Marxism to hybridity. Preq: ENGL 3100.

ENGL 4430 Theories of World Literature 3(3) Examination of the historical and contemporary theories of world literature, including theories of worldliness, planetary globalization, and late capitalism. These theories are used in pursuit of world literature on a worldwide and planetary scale. Preq: ENGL 3100.

ENGL 4440* Renaissance Literature 3(3) Selected readings in non-Shakespearean British literature from 1500–1660. Includes drama, poetry, and prose. Preq: ENGL 3100.

ENGL 4450* Fiction Workshop 3(3) Workshop in the creative writing of prose fiction. May be repeated once for credit. Preq: ENGL 3450.

ENGL 4460* Poetry Workshop 3(3) Workshop in the creative writing of poetry. May be repeated once for credit. Preq: ENGL 3460.

ENGL (THEA) 4470* Playwriting Workshop 3(3) Workshop in the creative writing of plays. May be repeated once. Preq: ENGL 3470 or THEA 3470. May also be offered as THEA 4470.

ENGL 448* Screenwriting Workshop 3(3) Workshop in the creative writing of screenplays. May be repeated once for credit. Preq: ENGL 3480.

ENGL 4490* Creative Non-Fiction 3(3) Advanced workshop in writing non-fiction prose for magazine and freelance markets. Preq: ENGL 3450 or ENGL 3460.

ENGL 4500* Film Genres 3(3) Advanced study of films that have similar subjects, themes, and techniques, including such genres as the Western, horror, gangster, science fiction, musical, and/or screwball comedy. Also considers nontraditional genres, screen irony, genre theory, and historical evolution of genres. Topics vary. Preq: ENGL 3570. Coreq: ENGL 4501.

ENGL 4501* Film Genres Laboratory 0(3) Non-credit laboratory to accompany ENGL 4500. Coreq: ENGL 4500.

ENGL (COMM) 4510* Film Theory and Criticism 3(2) Study of film criticism, including realism, formalism, feminism, semiotics, Marxism, and expressionism. May also be offered as COMM 4510. Preq: ENGL 3570. Coreq: ENGL 4511.

ENGL (COMM) 4511* Film Theory and Criticism Laboratory 0(3) Non-credit laboratory to accompany ENGL 4510. May also be offered as COMM 4511. Coreq: ENGL 4510.

ENGL 4520* Great Directors 3(2) Intensive study of one to three film directors emphasizing understanding the entire canon of each director. Students study similarities in techniques, shifts in thematic emphasis, and critical methodologies for approaching the works of each director. Topics vary. Preq: ENGL 3570. Coreq: ENGL 4521.

ENGL 4521* Great Directors Laboratory 0(3) Non-credit laboratory to accompany ENGL 4520. Coreq: ENGL 4520.

ENGL 4530* Sexuality and the Cinema 3(2) Examination of male/female sexual roles and their evolution in American genre films, avant-garde cinema, and international films. Includes the study of movies in relation to cultural values and social stereotypes, introduction to feminist film theory, and consideration of film pornography. Preq: ENGL 3570. Coreq: ENGL 4531.

ENGL 4531* Sexuality and the Cinema Laboratory 0(3) Non-credit laboratory to accompany ENGL 4530. Coreq: ENGL 4530.

ENGL (LANG) 4540* Advanced Topics in Film Studies 3(3) Selected topics in film studies. May be repeated once for credit with department consent. Preq: ENGL 3570.

ENGL 4590* Advanced Topics in Literature 3(3) Selected topics in literature. May also be offered as COMM 4590. Preq: ENGL 3100.

ENGL (HUM) 4560* Literature and Arts of the Holocaust 3(3) Addresses the Holocaust through literature, art, architecture, music, and film. Beginning with historical, political, and economic forces that contributed to the Holocaust, course then focuses on highly diverse creative responses to this event - responses that often reflect the difficulties and politics of these commemorative gestures. May also be offered as HUM 4560. Preq: ENGL 3100.

ENGL 4600* Issues in Writing Technologies 3(3) Examination of writing technologies from different historical periods. Investigates how writing is understood, circulated, legislated, and protected in terms of its production technology. Preq: ENGL 3100; and ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 4630* Topics in Literature to 1699 3(3) Selected readings in literature from antiquity through the 17th century for focused study of authors, movements, themes, critical approaches, and genres. Topics vary and are constructed by individual faculty. May be repeated for a maximum of six credits, but only if different topics are covered. Preq: ENGL 3100.

ENGL 4640* Topics in Literature from 1700 to 1899 3(3) Selected readings in 18th- and 19th-century literature for focused study of authors, movements, themes, critical approaches, and genres. Special topics vary and are constructed by individual faculty. May be repeated for a maximum of six credits, but only if different topics are covered. Preq: ENGL 3100.

ENGL 4650* Topics in Literature from 1900 3(3) Selected readings in 20th- and 21st-century literature for focused study of authors, movements, themes, critical approaches, and genres. Topics vary and are constructed by individual faculty. May be repeated for a maximum of six credits, but only if different topics are covered. Preq: ENGL 3100.

ENGL 4670* Writing for Electronic Media 3(3) Workshop in new forms of writing and hypertextual design for interactive electronic media, including social networks, online and video communities. May be repeated once for credit at the undergraduate level. Preq: ENGL 3100.
ENGL 4780* Digital Literacy 3(3) Examine how technology has expanded ideas of literacies and texts. Includes reading, studying and analyzing print and digital texts to determine how digital techniques change patterns of reading and how readers make sense of electronic texts. Preq: ENGL 3100.

ENGL 4820* African American Literature to 1920 3(3) Critical examination of the development of the African American literary tradition from the Colonial Period to the Harlem Renaissance. Considers the historical and cultural contexts of a variety of texts, themes and theories. Preq: ENGL 3100.

ENGL 4830* Modern Rhetoric 3(3) Examines the "new rhetorics" of the 20th century, focusing on the "new" major figures and the "new" concepts. May also be offered as COMM 4920. Preq: ENGL 3100.

ENGL 4760 Senior Seminar 3(3) Capstone course requiring participation and a substantial essay, allowing graduating English majors the chance to work closely with faculty and other English majors on a special topic in the advanced study of literature, rhetoric, writing, and/or publication studies. Preq: ENGL 3100 and Senior standing in English.

ENGL 4880* Digital Literacy 3(3) Examines the principles and practices of composing and teaching composition. Includes a historical study of English language with attention to phonology, morphology, syntax, semantics, and practical aspects of language grammar. Serves as a practicum in composing and assessing processes, collaborative learning, writers purposes, audience expectations, and language conventions. May also be offered as EDSC 4850. Preq: ENGL 3100.

ENGL 4870* Topics in Book History 3(3) Examines the material and theoretical constructions of the book. Covers both historical and contemporary dimensions of dissemination, reception, artistry, and influence of books. Preq: ENGL 1030.

ENGL 4880* Genre and Activity Theory 3(3) Examination of the forms that texts take, at the expense of other types of media in which they are composed, and of the ways they circulate among experts, in the public, and around the world. Preq: Sophomore standing and consent of instructor. Coreq: ENGL 4981.

ENGL 4983* Modern Rhetoric 3(3) Examines the "new rhetorics" of the 20th century, focusing on the "new" major figures and the "new" concepts. May also be offered as COMM 4920. Preq: ENGL 3100.

ENGR 1021 Engineering Disciplines and Skills 1(2) Provides solid foundation of skills to solve engineering problems. Students demonstrate problem solving techniques with spreadsheets, dimensions, and units. Introduces professional and societal issues appropriate to engineering. Includes Honors sections. Preq: A score of 65 or higher on the Clemson Mathematics Placement Test; or MATH 1050, or MATH 1060 or MATH 1070 with a C or higher.

ENGR 1060 Engineering Disciplines and Skills II 1(2) Continuation of topics introduced in ENGR 1050. Students demonstrate problem solving techniques with spreadsheets, dimensions, and units. Introduces professional and societal issues appropriate to engineering. Includes Honors sections. Preq: A score of 65 or higher on the Clemson Mathematics Placement Test; or MATH 1050, or MATH 1060 or MATH 1070 with a C or higher.

ENGR 1070 Programming and Problem Solving I 1(2) Students formulate and solve engineering problems using MATLAB: estimate answers for comparison of computed solutions; read, interpret and write programs, instructions and output (both written and graphical); and debug. Includes Honors sections. Preq or concurrent enrollment: ENGR 1060 with a C or better.

ENGR 1080 Problem Solving II 1(2) Continuation of topics introduced in ENGR 1070. Students formulate and solve engineering problems using MATLAB: read, interpret and write programs, utilize trends, iterate loops, evaluate and compose conditional statements; and debug. Includes Honors sections. Preq: ENGR 1060 and ENGR 1070, each with a C or better.

ENGR 1090 Programming and Problem Solving Applications 1(2) Students formulate and solve engineering problems on multi-discipline teams. Various forms of technical communication are emphasized. Includes Honors sections. Preq or concurrent enrollment: ENGR 1080 with a C or better.

ENGR 1100 Major Discovery Seminar 1(1) Introduction to the engineering majors offered by Clemson University. Also includes information about the engineering profession, best student practices, and potential career paths. Invited presenters and faculty provide lectures and demonstrations. To be taken Pass/No Pass only. Preq: ENGR 2020 or ENGR 2110 or ENGR 2120 or ENGR 2140 or ENGR 2150 and Junior standing.


ENGR 1050 Programming and Problem Solving 3(2) Continuation of topics introduced in ENGR 1060. Students formulate and solve engineering problems using MATLAB; read, interpret and write programs, utilize trends, iterate loops, evaluate and compose conditional statements; and debug. Includes Honors sections. Preq or concurrent enrollment: ENGR 1060 with a C or better.

ENGR 1105 Engineering Design and Modeling 3(2) Introduction to engineering graphics and machine design. Students use hand sketching and CAD tools to visualize, communicate, rapid prototype, and analyze engineering problems. SOLIDWORKS software is used. Credit toward a degree will be given for only one of ENGR 1150, 1160, 2080, 2090 and 2100. Coreq: ENGR 1151.

ENGR 1151 Engineering Design and Modeling Laboratory 0(2) Non-credit laboratory to accompany ENGR 1150. Coreq: ENGR 1150.

ENGR 1160 Engineering Graphics and Computer-Aided Design 3(2) Students use 2-D and 3-D drawings to visualize and analyze engineering problems. 2-D applications include site plans, contour maps, watershed, floodplains, road design, and architectural drawings. 3-D applications include models, orthographic views, and rapid prototype. Credit toward a degree will be given for only one of ENGR 1150, 1160, 2080, 2090 and 2100. Coreq: ENGR 1161.

ENGR 1161 Engineering Graphics and Computer-Aided Design Laboratory 0(2) Non-credit laboratory to accompany ENGR 1160. Coreq: ENGR 1160.