

COURSES:**CHEM 1110/CH 110
General Chemistry I
SCI Core**

3 cl hrs, 3 lab hrs, 4 cr

The basic principles and theories of college chemistry. Topics include matter and energy, periodicity of elements, atomic and molecular structure, bonding, atomic spectra, chemical reactions, gas laws, acids and bases, properties of solutions. *Pre- or corequisites: MAT 1275/MA 275, ENG 029R/DR 092*

**CHEM 1210/CH 210
General Chemistry II
SCI Core**

3 cl hrs, 3 lab hrs, 4 cr

Continuation of General Chemistry I. Solutions, oxidation-reduction reactions, kinetics, ionization, ionic equilibria, pH, buffers, solubility product, hydrolysis, qualitative analysis of cations and anions. *Prerequisite: CHEM 1110/CH 110*

**CHEM 1215/CH 215
Principles of Chemistry I**

3 cl hrs, 3 lab hrs, 4 cr

(For dental hygiene and dental laboratory technology students) Atomic structure, elements, compounds and mixtures, formulas and nomenclature, physical states, bonding, acid-base theory, solutions, gas laws. *Prerequisites: Eligibility for ENG 029R/DR 092 or CUNY certification in reading and mathematics*

**CHEM 2223/CH 223
Organic Chemistry I**

4 cl hrs, 3 lab hrs, 5 cr

Fundamental concepts of nomenclature, formulae, preparation and properties of organic compounds. Modern electronic and molecular orbital theories are introduced. Laboratory experiments illustrate properties and preparation of organic compounds. *Prerequisite: CHEM 1110/CH 110*

**CHEM 2322/CH 322
Analytical Chemistry I**

3 cl hrs, 5 lab hrs, 5 cr

Theoretical and mathematical concepts of both gravimetric and volumetric analyses: quantitative separations, formation and properties of precipitates, use of organic reagents, coprecipitation phenomena, acidimetry and alkalimetry, pH, titration curves,

redox reactions. Practice in fundamental laboratory techniques of gravimetric and volumetric analyses.

*Prerequisite: CHEM 1210/CH 210***CHEM 2323/CH 323
Organic Chemistry II**

4 cl hrs, 3 lab hrs, 5 cr

Continuation of CH 223 utilizing mechanistic interpretations of reaction of aliphatic and aromatic hydrocarbons, alcohols, ethers, aldehydes, ketones, acids and amines. *Prerequisites: CHEM 2223/CH 223*

**CHEM 2411/CH 411
Special Topics in Chemistry**

3 cl hrs, 3 cr

An introduction to the fundamental principles of physical chemistry including the states of matter, thermodynamics, thermochemistry, solutions of electrolytes and non-electrolytes, electrochemistry and atomic structure.

*Pre- or corequisite: PHYS 1434/SC 434 or PHYS 1442/SC 442***CHEM 3325/CH 325
Chemical Safety**

3 cl hrs, 3 cr

This course focuses on safety as an integral part of the design and execution of experimental work. The course includes an online textbook, online papers from experts in various areas of chemical health and safety and other resources available on the world wide web.

*Prerequisites: CHEM 1110/CH 110, CHEM 1210/CH 210, CHEM 2223/CH 223; pre- or corequisite: CHEM 2323/CH 323***CHEM 3412/CH 412
Analytical Chemistry II**

2 cl hrs, 6 lab hrs, 4 cr

A continuation of CHEM 2322/CH 322 Analytical Chemistry I, emphasizing modern instrumental methods. Topics include chromatography (HPLC and GC), spectroscopy (FT-IR, NMR, UV-VIS, CG-MS, AA and AE), electrochemical (SIE, conductimetry, polarography, potentiometry), and optical rotary dispersion. Lab studies develop hands-on techniques for real-world problems such as those found in pharmacy, cosmetics, the environment and energy.

Prerequisite: CHEM 2322/CH 322; pre- or corequisite: PHYS 1434/SC 434 or PHYS 1442/SC 442

English

Professor Brian Keener, Chair

Namm 512

718.260.5392

email: bkeener@citytech.cuny.edu

FACULTY:

Professors: Feder, Goldsmith, Goodman, Hanley, Huffman, Keener, Lebowitz, Nilles, Patterson, Richardson, Walter, Wasserman

Assoc Profs: Broer, Guida, O'Riordan, Rudden

Asst Profs: Bannett, But, Falvey, Ferrell, Masiello, Mushabac, Noonan, Saddik, Williams

Lecturer: Marshack

ENGLISH

The department of English offers a full range of courses, from developmental work in reading and writing and college English as a second language to introductory and advanced courses in writing and literature. The department participates in a collaborative and creative support system for students preparing for careers or for transfer to other four-year institutions. For these students and for liberal arts majors whose plans do not extend beyond the two-year program, the department has as its mission the enhancement of those imaginative, analytical, reflective and cultural aspects of self generally addressed by liberal studies and within the department's specific purview, through written language.

A student who is deficient in reading or writing skills, as determined by the CUNY Skills Assessment Tests, will be required to take non-credit work either in developmental reading and writing or in college English as a second language, as indicated by the test scores.

All programs of study leading to a degree require the successful completion of ENG 1101/EG 101, English Composition I. An additional number of credits in writing and literature are required for specific degree curricula. The student should be guided in the selection of English courses by the statement of requirements for the specific curriculum.

In the associate degree core, students select one course from the literature, aesthetics or philosophy category (LAP). In the baccalaureate core, students select three courses from LAP, with at least one course from two of the three areas. Students can satisfy the literature core by taking any literature course in ENG/EG or PRS/PR or AFR/AF.

Similarly, the associate core requires communications. ENG 1121/EG 121 or a higher ENG/EG 1 series course can be taken to meet this core distribution. Baccalaureate students must take ENG 1121/EG 121 if not taken at the associate level.

Degree-credit courses offered by the English department are divided into four categories. These are identified by numerical codes:

Series	Categories
1000	First Year Writing Courses
2000	Second Year Courses
3000	Third Year Courses

College English as a Second Language (ESOL) courses and Developmental Reading courses are offered through the department of English.

COURSES:**ENG 090R/DR 090
Developmental Reading
Level I and II**

5 cl hrs, 0 cr

The first half of the course focuses on basic reading comprehension, vocabulary skills, the use of the dictionary, notetaking, and study skills. The second half focuses on improving reading comprehension to meet the demands of college-level reading assignments.

Prerequisite: Score of 59 or below on the CUNY ACT Reading Test

**ENG 092R/DR 092
Developmental Reading
Level II**

3 cl hrs, 0 cr

Designed to improve reading comprehension to a level adequate for successfully meeting the demands of college-level reading; uses excerpts from college textbooks, timed reading exercises and supplementary books and periodical materials for literal and interpretative comprehension. CUNY certification in reading is the exit criterion for this course.

Prerequisite: Score of 60-69 on the CUNY ACT Reading Test

**ENG 090W/EG 090
Developmental Writing I
and II**

6 cl hrs, 0 cr

The first half of the course focuses on instruction in varied sentence patterns, basic grammar and punctuation, spelling, the use of the dictionary, and in composing paragraphs that are organized and support a main idea. The second half focuses on the composing of essays that are developed, organized and correct. Short readings will be studied as models to illustrate methods of development and organization.

Prerequisite: Score of 2-5 on the CUNY ACT writing test

**ENG 092W/EG 092
Developmental Writing II**

5 cl hrs

An intermediate course in writing skills focusing on composing the short essay including revision and proofreading. Emphasis on instruction in advanced and varied sentence patterns, appropriate punctuation and grammar and the use of the dictionary to investigate word formation and develop

vocabulary. Short readings as models to illustrate methods of development and organization.

Prerequisite: Score of 6 on the CUNY ACT writing test

**ENG 1101/EG 101
English Composition I
Core**

3 cl hrs, 3 cr

A course in effective essay writing and basic research techniques, including use of the library. Demanding readings assigned for classroom discussion and as a basis for essay writing.

Prerequisite: CUNY certification in reading and writing

**ENG 1121/EG 121
English Composition II
COMM Core**

3 cl hrs, 3 cr

An advanced course in expository essay writing that requires a library paper. Further development of research and documentation skills (MLA style). Assigned literary and expository readings.

Prerequisite: ENG 1101/EG 101

**ENG 1133/EG 133
Specialized Communications
for Technology Students
COMM Core**

3 cl hrs, 3 cr

Academic as well as occupational writing such as lab reports and bids, emphasis on the documented report, summarizing material and writing letters. Written presentations frequently utilize visual aids such as graphics, maps and charts.

Prerequisite: ENG 1101/EG 101

**ENG 1141/EG 141
Creative Writing
COMM Core**

3 cl hrs, 3 cr

Techniques and skills in writing poetry, drama, the short story and the essay. Emphasis on the student's awareness of creative potential.

Prerequisite: ENG 1101/EG 101

**ENG 1161/EG 161
Language and Thinking**

3 cl hrs, 3 cr

A study of communication designed to increase understanding and control of language on both the individual and social levels. Class work includes reading and discussion of elements of semantics and psycholinguistics and guided practice in effective thinking.

Prerequisite: ENG 1101/EG 101

**ENG 2700/EG 171
Advanced Career Writing
COMM Core**

3 cl hrs, 3 cr

An advanced course in communications skills emphasizing writing used in business and industry, business letters, memoranda, minutes, process papers and reports.

Prerequisite: ENG 1121/EG 121 or ENG 1133/EG 133

**ENG 2000/EG 200
Perspectives in Literature
LIT Core**

3 cl hrs, 3 cr

Readings in and writings about literature across genres, eras and locales. Themes include family, the individual and society, good and evil, gender, faith, and "the human heart in conflict with itself." Essays and exams based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2001/EG 201
Introduction to
Literature I Fiction
LIT Core**

3 cl hrs, 3 cr

Analysis and critical understanding of selected fiction. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2002/EG 202
Introduction to
Literature II Drama
LIT Core**

3 cl hrs, 3 cr

Analysis and critical understanding of selected plays. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2003/EG 203
Introduction to
Literature III Poetry
LIT Core**

3 cl hrs, 3 cr

Analysis and critical understanding of selected English and American poems. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2100/EG 210
English Literature I
LIT Core**

3 cl hrs, 3 cr (fall only)

The literature of England from Anglo-Saxon times through the eighteenth century. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2101/EG 211
English Literature II
LIT Core**

3 cl hrs, 3 cr (spring only)

English literature from the beginning of the nineteenth century to the present. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2150/EG 215
Introduction to
Women Writers
LIT Core**

3 cl hrs, 3 cr

Introduction to the writings of selected women writers, both major authors and less well-known women writers. A variety of genres including essays, fiction, poems, and plays will be explored.

Prerequisite: ENG 1101/EG 101

**ENG 2200/EG 220
American Literature I
LIT Core**

3 cl hrs, 3 cr (fall only)

American writing from the Colonial beginnings to the middle of the 19th century, with emphasis on the literature as an expression of the cultural and intellectual life of the times. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2201/EG 221
American Literature II
LIT Core**

3 cl hrs, 3 cr (spring only)

American writing from the late nineteenth through the 20th century with emphasis on the literature as an expression of the cultural and intellectual life of the times. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

**ENG 2205/EG 225
Asian American
Literature and Culture
LIT Core**

3 cl hrs, 3 cr

This survey course introduces students to representative Asian American literary and cultural productions including fiction, poetry, drama and autobiography by writers across generations. Diverse as these writers are in style and ethnicity, their works, depicting the Asian experience as immigrants and minorities in North America, echo each other. Course analyzes thematic and formal elements such as immigration, cultural assimilation, gender characterization, racial

relocation and identity displacement in order to establish an intertextual and coherent understanding of this literary tradition.

Prerequisite: ENG 1101/EG 101

ENG 2300/EG 230

Great Works of Literature I
LIT Core

3 cl hrs, 3 cr (fall only)

Representative readings, many in translation, from the great books of Western culture from ancient times to the Middle Ages and the Renaissance. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

ENG 2301/EG 231

Great Works of Literature II
LIT Core

3 cl hrs, 3 cr (spring only)

Representative readings, many in translation, from the great books of Western culture from the eighteenth century to the present. Exams and essays based on readings.

Prerequisite: ENG 1101/EG 101

ENG 3401/EG 401

Law Through Literature
LIT Core

3 cl hrs, 3 cr

An exploration of concepts of justice, higher law, customary law and written law expressed through works of fiction and non-fiction. The course seeks to enhance the student's sensitivity to issues of ethics, gender bias and class consciousness as they affect the administration of justice. Readings improve communication skills and strengthen legal skills of identifying, articulating and locating problems in the context of underlying legal issues. Written assignments emphasize expository writing skills.

Prerequisite: ENG 1121/EG 121

ENG 3402/EG 402

Topics in Literature
LIT Core

3 cl hrs, 3 cr

Specific critical and thematic approaches to selected works in literature written in English. Selected works are studied in relation to a special theme, technique, theoretical issue, or cultural consideration. Possible topics: the geographical journey as a metaphor for maturation; stream of consciousness as a literary technique for heightening reality; the role of Shakespeare as a Tudor propagandist; the issue of how culture shapes identity, as depicted in diverse works of fiction.

Prerequisite: ENG 1121/EG 121 or any 200-level literature course

ENG 3403/EG 403

One Major Writer
LIT Core

3 cl hrs, 3 cr

The works of one English-language author are studied in the context of the author's life, career, and historical and cultural background, and may be considered from cross-cultural and cross-disciplinary perspectives. Authors studied may include such major figures as Austen, Baldwin, Crane, Dickinson, Faulkner, Henry James, Melville, Milton, Morrison, Shakespeare, Mark Twain, Walker, Whitman, Woolf.

Prerequisite: ENG 1121/EG 121 or any 200-level literature course

ENG 3404/EG 404

The Literature of Illness and Care
LIT Core

3 cl hrs, 3 cr

An in-depth study of the literature of illness and care through reading and writing about memoirs, fiction, essays and poetry.

Prerequisite: ENG 1121/EG 121 or any 200-level literature course

ENG 3700/EG 533

Advanced Technical Writing
COMM Core

3 cl hrs, 3 cr

Students communicate technical and scientific information to a variety of audiences through written and oral presentations using electronic media such as the Internet, Power Point and graphics programs. Students also analyze readings in science and technology, study technical writing models, and practice collaborative research and presentation.

Prerequisites: ENG 1121/EG 121 or ENG 1133/EG 133 and MST 1101/MS 101 or equivalent

ESOL 011W/EL 011

Elementary Writing in College ESL

6 cl hrs, 0 cr

Basic grammatical structures of English and composing skills necessary for effective written communication in an academic context using tasks of low-intermediate difficulty. Grammatical mechanisms and lexical choices, basic rhetorical strategies, editing, and other writing conventions. Clear development and expression of an idea using fairly simple sentences.

The fundamentals of crafting sentences, paragraphs and simple texts.

Prerequisite: CUNY ACT writing score of 4 or 5; *corequisites:* ESOL 012R/EL 012, ESOL 1300/EG 300, or department approval required

ESOL012R/EL 012

Elementary Reading in College ESL

3 cl hrs, 0 cr

College-level academic reading and study skills through academic texts of low-intermediate to intermediate difficulty. Discrete skills include analysis of content, analysis of structure, vocabulary development, and study and test-taking skills. These objectives are pursued through a variety of activities involving both reading and writing, such as simple outlining and summarizing.

Prerequisite: CUNY ACT writing score of 4 or higher; ACT reading score of 25-59; *corequisites:* ESOL 011W/EL 011, ESOL 1300/EG 300, or department approval required

ESOL 021W/EL 021

Intermediate Writing in College ESL

6 cl hrs, 0 cr

Principles of effective communication through writing in an academic context using tasks of high-intermediate to advanced difficulty. Discrete skills addressed include grammatical and lexical mechanisms, rhetorical strategies, and other writing conventions more advanced than those taught in ESOL 011W/EL 011. The level of composition moves to more complex sentences and multi-paragraph texts.

Prerequisite: ESOL 011W/EL 011 or CUNY ACT writing score of 6, *corequisite:* ESOL 022R/EL 022 or department approval required

ESOL 022R/EL 022

Intermediate Reading in College ESL

3 cl hrs, 0 cr

College-level academic reading and study skills through academic texts of high-intermediate to advanced difficulty. Competencies addressed in ESOL 012R/EL 012 are pursued at a more advanced level. Discrete skills addressed include analysis of content, analysis of structure, vocabulary development, study and test-taking skills, recognizing stylistic devices, and understanding texts in their historical, cultural, and social

contexts. These objectives are pursued through a variety of activities that integrate reading and writing skills, including advanced outlining and summarizing, and working with study guides.

Prerequisite: ESOL 012R/EL 012 or department approval required or ACT reading score of 60-69; *corequisite:* ESOL 021W/EL 021 or department approval required

ESOL 031W/EL 031

Advanced Writing in College ESL

3 cl hrs, 0 cr

For students who have attained the basic level of competency in grammar and writing skills required in ESOL 012W/EL 021, but who need to develop and improve these linguistic skills. Writing tasks are of an academic nature and help students to move toward meeting university proficiency requirements as well as ENG 1101/EG 101 entrance criteria.

Prerequisite: ESOL 021W/EL 021

ESOL 032R/EL 032

Advanced Reading in College ESL

3 cl hrs, 0 cr

For students who have attained the level of competency and fluency in reading required in ESOL 022R/EL 022, but who need to develop and improve this linguistic skill. Reading assignments are of an academic nature, emphasizing understanding of both content and structure, and help students to move toward meeting university proficiency requirements as well as ENG 1101/EG 101 entrance criteria.

Prerequisite: ESOL 022R/EL 022

ESOL 1300/EL 300

Oral Communication Skills for English Language Learners

2 cl hrs, 2 lab hrs, 3 cr

A course designed specifically to improve the pronunciation and listening skills of non-native speakers of English. Emphasis is on distinguishing and producing the sounds, stress and intonation patterns of American English.

Prerequisites: CUNY ACT writing score of 4 or higher, CUNY reading certification, or department approval required