



***Quinsigamond Community College (QCC)
Free College Courses for Worcester Public School Students
Early College Worcester Fall 2022***

Fall Semester -September 8, 2022 – December 20, 2022

CLASSES OFFERED ON QCC CAMPUS

Tues/Thurs 12:50-2:05 PM

ALH 102 Introduction to Medical Terminology – 3 Credits

This course provides a basic foundation for students interested in the allied health field. Emphasis is on analyzing word parts and learning basic prefixes, suffixes and word roots. The course also highlights the body systems: basic anatomy and physiology, including terms used in diseases and surgical procedures. **Prerequisites:** Placement into college level English.

Tues/Thurs 3:30-4:45 PM

ART 131 Introduction to Drawing I - 3 Credits

This course examines the varied experiences involved in the drawing process while emphasizing an awareness of traditional disciplines. Students learn how to solve problems of surface organization and to develop the ability to analyze and translate three-dimensional space into a two-dimensional surface by using both perceptual and conceptual drawing methods.

Tues/Thurs 12:40-1:55 PM

BSL 101 –Business Law I - 3 Credits

This course examines law and society; the operation of law as it reflects the mores of human relations; and the ethics of business, criminal, and tort law with special emphasis on the law of contracts. Topics include the general principles of the law assigned, the nature of the United States legal system, the trial process, and the sources of law available. Students analyze court decisions and learn to apply the law both in fact situations and in reasoning in gray areas.

Business Pathway

Friday 5:00-7:50 PM

BTT 101 Introduction to Biotechnology - 3 Credits

The basic tenets of biotechnology including the scientific method will be presented through readings on the commercialization of recombinant DNA technology to produce therapeutic proteins and on the drug discovery process. Students will discuss the ethics, public policy issues, patent issues, career opportunities, and therapeutic promises of recombinant DNA technology. Students will also participate in a virtual drug discovery program to elucidate issues in drug discovery such as target identification, lead discovery and optimization, candidate selection, ethical clinical trials, and drug markets. **Prerequisite:** ENG 091 with a grade of "C" or higher, ENG 096 with a grade of "C" or higher; or appropriate placement score, MAT 095 with a grade of "C" or higher; or appropriate placement score.

Tues/Thurs 3:30-4:45 PM

CIS 105 Introduction to Information Technology - 3 Credits

This course provides an overview of the core aspects of information technology. The topics include: computer hardware, operating systems, application software, networks, information security, interactive media, and programming. The course focuses on defining how each IT area relates to, and interacts with, each other. Upon completion of the course, students have the knowledge necessary for further study in IT as well as understanding of the impact of technology on society and organizations of all types. **Computer Technology Pathway**

Tues/Thurs 12:40-1:55 PM

CIS 111 Introduction to Microcomputer Applications - 3 Credits

This course provides an overview of common business office technology usage, including operating systems functions, Internet technologies, and productivity suites. The course focuses on basic working knowledge and hands-on experiences in word processing, spreadsheet processing, relational database processing, and presentation software. This course is the first of two in a series to assist students in preparation of the Microsoft Office Specialist (MOS) certification exam.

Tues/Thurs 3:30-4:45 PM

CIS 134 Web Page Development I - 3 Credits

This course focuses on designing Web sites using HTML5/XHTML and CSS3 along with development tools such as Notepad++. Topics include creating links, image maps, using grid-based layout for laying out pages, positioning elements, applying CSS for graphic design, flexbox for mobile web pages, media queries, tables, client-side forms, and insertion of audio and video files. Validation of web pages using transitional DTD, strict DTD will also be discussed. Students will work on individual assignments to create web pages/sites. **Corequisite:** CIS 111.

Tues/Thurs 3:30-4:45 PM

CRJ 101 – Introduction to Criminal Justice – 3 Credits

This course covers the philosophies and historical background of the American criminal justice system. Students discuss the organization, operation, and processes of the justice system: police, courts, and corrections. Students learn the nature of crime, the characteristics of criminals and victims, and several contemporary issues confronting each part of the system, such as the use of force by the police, changes in sentencing practices, and the growth in the prison population. **Prerequisite:** ENG 091 with a grade of "C" or higher; or appropriate placement score.

Tues/Thurs 12:50-2:05 PM

FYE 101 – First Year Experience – 3 Credits

First year students who want success and direction in their college experience gain practical skills that are directly applied to selection of a college major and future career paths. Students gain effective learning strategies and information on how to navigate and use college procedures and resources. This course emphasizes self-discovery, the workplace, life decisions, and career/future planning within a multicultural framework. Students explore psychological theories and apply those theories to their own personal situations to formulate career/life plans. Students identify their abilities and explore their values, interests, motives, motivations, behaviors, personalities, and interaction styles. Students acquire and develop skills for career planning, job searching and understanding job satisfaction. Students develop an e-portfolio that integrates information developed through the self-assessment and career development process. **General Education Pathway**

Tues/Thurs 12:50-2:05 PM

FYE 102 – Healthcare First Year Experience – 3 Credits

First year students who want success and direction in their college experience gain practical skills that are directly applied to selection of a healthcare college major and future healthcare career paths. Students gain effective learning strategies and information on how to navigate and use college procedures and resources. This course emphasizes self-discovery, the workplace, life decisions, and career/future planning within a multicultural framework. Students identify their abilities and explore their values, interests, motives, motivations, behaviors, personalities, and interaction styles. Students acquire and develop skills for healthcare career planning, job searching and understanding healthcare job requirements/satisfaction. Students develop an e-portfolio that integrates information developed through the self-assessment and healthcare career development process.

Tues/Thurs 3:30-4:45 PM

FSC 101 Principles of Emergency Services - 3-Credits

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. This course follows the curriculum established by the Fire and Emergency Services Higher Education (FESHE) network. **Prerequisites:** Placement into college level English.

Tues/Thurs 3:30-4:45 PM

HUM 101 Critical Thinking and Problem Solving – 3 Credits

This course focuses on the development of reasoning and problem-solving skills by analyzing controversial public issues and practical everyday problems. Students explore problem solving strategies, argumentation, cultural differences in reasoning, inductive and deductive logic, cause and effect reasoning and the role of perception in thinking. Other topics include studying the scientific method, propaganda, manipulation of language in advertising and political speeches, and the use of emotional appeals in public discourse. Students write argumentative essays to explore different facets of the course topics. **Prerequisites:** Placement into college level English.

Tues/Thurs 2:00-3:15 PM

MAT 122 Statistics - 3 Credits

This course covers the essentials of statistics. Students learn descriptive and inferential statistics; charts (histograms, frequency polygons, ogives, and pie charts); measures of central tendency (mean, median, mode, and weighted mean); and measures of dispersion (range, variance, and standard deviation). Additional areas of study include discrete and continuous random variables; basic probability theory; the binomial distribution and its application in binomial experiments; standard and non-standard normal distributions; the Central Limit Theorem; confidence intervals for means, proportions, and variances; linear correlation and regression; and the one sample hypotheses test for mean (large and small sample), proportions, and variances. **Prerequisite:** MAT 095 with a grade of "C" or higher; or appropriate placement score.

Tues/Thurs 12:50-2:05 PM

MGT 101 Introduction to Business – 3 Credits

This course provides a broad overview of the business world. Students learn to apply basic business concepts and principles to a variety of business situations. Topics include business terminology, the legal forms of business organizations, the impact of the economy on business, and the basic functions of management including marketing, banking and financing, accounting, and technology. **Prerequisites:** Placement into college level English.

Tues/Thurs 3:30-4:45 PM

PSY 101 Introduction to Psychology 101

In this survey course, the student becomes aware of and appreciates the various influences upon behavior. The topics covered include, but are not limited to, the nervous system, sensation and perception, motivation, learning, emotion, and personality. Through an investigation of these areas, within a multiplicity of cultural contexts, the student understands the diversity of the human condition. **Prerequisite:** ENG 091 with a grade of "C" or higher, ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway**

Tues/Thurs 3:30-4:45 PM

SOC 101 Introductory Sociology (Principles) - 3 Credits

This course introduces basic theories and vocabulary of sociology including its historical origins and research process. It examines the major principles that govern the structure and function of society, its institutions, groups, and processes. Students learn how societies meet or do not meet the social, psychological, economic and everyday needs of their members. The course emphasizes making connections between students' personal lives and the social change occurring around them. **Prerequisite:** ENG 091 with a grade of "C" or higher, ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway**

CLASSES OFFERED AT THE HIGH SCHOOLS DURING SCHOOL DAY:

Tues/Thurs TBD at Doherty High

ART 131 – Introduction to Drawing I – 3 Credits

This course examines the varied experiences involved in the drawing process while emphasizing an awareness of traditional disciplines. Students learn how to solve problems of surface organization and to develop the ability to analyze and translate three-dimensional space into a two-dimensional surface by using both perceptual and conceptual drawing methods.

Tues/Thurs TBD at North HS

ART 131 – Introduction to Drawing I – 3 Credits

This course examines the varied experiences involved in the drawing process while emphasizing an awareness of traditional disciplines. Students learn how to solve problems of surface organization and to develop the ability to analyze and translate three-dimensional space into a two-dimensional surface by using both perceptual and conceptual drawing methods.

Tues/ Thurs 7:20-8:50AM at Burncoat

ENG 101 English Composition 1 – 3 Credits

In Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; **General Education Pathway (Needed for Most Pathways)**

Tues/Thurs 7:20-8:50AM at Doherty High

ENG 101 English Composition 1 – 3 Credits

Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway (Needed for Most Pathways)**

Tues/Thurs 7:20-8:50 AM at UPCS/Claremont

ENG 101 English Composition 1 – 3 Credits

In Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway (Needed for Most Pathways)**

Tues/Thurs 7:30-8:50 AM at North High

ENG 101 English Composition 1 – 3 Credits

In Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway (Needed for Most Pathways)**

Tues/Thurs 7:20-8:50 AM at South High

ENG 101 English Composition 1 – 3 Credits

In Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway (Needed for Most Pathways)**

7:20-8:50 AM at WTHS

ENG 101 English Composition 1 – 3 Credits

In Composition 1, students write a minimum of four essays in multiple drafts in addition to shorter writing assignments, such as journals or discussion posts, with emphasis on audience awareness; critical thinking and reading; thesis development; organization; and grammatical correctness. Readings from various disciplines provide writing models and material for analysis of ideas. Students also evaluate, incorporate, and document sources from print, Internet, and library databases to support their writing. **Prerequisite:** ENG 091 with a grade of "C" or higher; ENG 096 with a grade of "C" or higher; or appropriate placement score. **General Education Pathway (Needed for Most Pathways)**