



*Quinsigamond Community College (QCC) and Worcester State University
Free College Courses for Worcester Public School Students
Early College Worcester Spring 2023*

ECW Spring Semester - January 18, 2023 – May 9, 2023

Tues/Thurs - Online

ACC 101 Financial Accounting I – 3 Credit Hours

This course focuses on the relationships between business activities and events and the impact they have on financial statements from a preparer perspective. Students study financial transactions for both service and merchandising businesses and relate the transactions to a company's assets, liabilities, owners' equity, revenues, and expenses. Areas of study include the basic accounting model, the process of the accounting cycle, accounting principles and terminology, financial statement preparation, analytics, and computerized accounting applications. **Prerequisites: Placement into college level English, MAT 090 with a grade of "C" or higher or appropriate placement score**

Tues/Thurs 3:30pm-5:00pm at QCC

ALH 106 - Medical Law and Ethics - 3 Credits

This course explores many legal, ethical and bioethical issues encountered in a medical office and offers suggestions for dealing with those issues in an informed, legal and sensitive manner. Students learn the various designations for medical employees (licensed, registered and certified) and understand the laws that directly relate to physicians. Also an understanding of the role of bioethics in a medical office is discussed. **Prerequisites: Placement into college level English**

Tues/Thurs 3:00pm-5:00pm at QCC

ART 141 Photographing People - 3 Credits

This course covers both posed and candid photographs of people. Students learn the proper operation of various cameras, automatic, manual, digital, and other cameras.

Fridays Only 5:00pm-7:50pm at QCC

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. F/S/SU

Tues/Thurs 12:45pm-2:15pm

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 3:30pm-5:00pm at QCC

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. F/S

Tues/Thurs 12:45pm-2:15pm at QCC

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. F/S/SU

Tues/Thurs 3:30pm-5:00pm at QCC

ECE 101 Introduction to Early Childhood Education - 3 Credits

This course is an introduction to early childhood education. Students study the history and contributing theories of the field and the basic aspects important to quality programs for young children. Course content includes studies of child development, the types of programs available; qualifications for teachers and staff; state regulations monitoring programs, state Guidance Policy, the Massachusetts Early Childhood Standards; career opportunities; special education considerations, and current issues in early childhood education. During a 10-hour field experience students make observations in the Children's School: QCC's Early Childhood Education Lab School and focus on guidance practices; children's play; integrated curriculum practices; transitions and routines; and appropriate methods for addressing special needs of young children. **Prerequisites:** Placement into college level English

Tues/Thurs- Remote/Blended 3:30pm-5:00pm

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 3:00pm-5:00pm at QCC

HUS 101 Introduction to Human Services – 3 Credits

This course focuses on the historical, political and social aspects of human services. Students gain core knowledge of common problems in living, consumer populations, helping models. Students learn about the agencies and services available in the Worcester area and identify strategies for effective delivery of human services. Upon completion students will be able to explain the value of participant empowerment, access appropriate supportive services, and expeditiously navigate the human service system. Credits: 3

Prerequisites: Placement into college level English

Tues/Thurs – 12:45pm-2:15pm at QCC

IMD 114 Digital Design Concepts I – 3 Credits

This course explores the fundamentals of digital design and its application in two-dimensional space. Students learn the principals and elements of design and color theory to create vector drawing and graphics associated with digital media. Students complete assignments using industry-standard software and hardware. Credits: 3

Prerequisites: Placement into college level English

Tues/Thurs - 3:30pm-5:00pm at QCC

MAT 121 Topics in Mathematics – 3 Credits

This course explores a variety of topics in contemporary mathematics. These topics include problem solving and critical thinking, personal finance, numeration systems, set theory, counting principles and probability theory, and voting methods. **Prerequisite:** MAT 095 with a grade of C or higher; or appropriate placement

Tues/Thurs - 3:30pm-5:00pm at QCC OR Fridays – 5:00pm-7:45pm at QCC

PSY 101 Introduction to Psychology 101- 3 Credits

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. F/S/SU **General Education Pathway**

Tues/Thurs 3:30pm-5:00pm at QCC

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. F/S/SU **General Education Pathway**

During the school day at Burncoat

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101 **General Education Pathway (Needed for Most Pathways)**

During the school day at Doherty High

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101 **General Education Pathway (Needed for Most Pathways)**



During the school day at South High

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101

General Education Pathway (Needed for Most Pathways)

During the school day at North High

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101
General Education Pathway (Needed for Most Pathways)

During the School Day at WTHS

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101
General Education Pathway (Needed for Most Pathways)

During the school day at UPCS/Claremont

ENG 102 English Composition II – 3 Credits

In Composition II, students produce a minimum of four essays of carefully crafted prose. Student writers practice integrating and citing readings from academic disciplines, including literature; their research-based documented essays are expected. **Prerequisite:** ENG 101
General Education Pathway (Needed for Most Pathways)

During the School Day at Doherty High

ART 132 – Introduction to Drawing II – 3 Credits

This course introduces instrumental and perspective drawing, including free application of mechanical theories. Topics include art and design applications of techniques; proper instrument use; and parallel, angular, and three-point perspective. Students learn how to use both freehand techniques and mechanical instruments to render drawings with speed, accuracy, legibility, and neatness. **Prerequisite:** ART 131. F/S

During the School Day at North HS High

ART 132 – Introduction to Drawing II – 3 Credits

This course introduces instrumental and perspective drawing, including free application of mechanical theories. Topics include art and design applications of techniques; proper instrument use; and parallel, angular, and three-point perspective. Students learn how to use both freehand techniques and mechanical instruments to render drawings with speed, accuracy, legibility, and neatness. **Prerequisite:** ART 131. F/S

During the School Day at Burncoat High

ART 132 – Introduction to Drawing II – 3 Credits

This course introduces instrumental and perspective drawing, including free application of mechanical theories. Topics include art and design applications of techniques; proper instrument use; and parallel, angular, and three-point perspective. Students learn how to use both freehand techniques and mechanical instruments to render drawings with speed, accuracy, legibility, and neatness. **Prerequisite:** ART 131. F/

During the school day at Claremont -

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 2:30pm-3:15pm at WTHS

FYE 101 – First Year Experience – 3 Credits

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Tues/Thurs 2:30pm-3:15pm at Burncoat

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Tues/Thurs 2:30pm-3:15pm at North

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***

During the school day at WTHS

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