

● *Academic Year*  
2026-2027

# QCC Early College Pathways Course Catalog & Certification Guide



**QUINSIGAMOND**  
Community College

# Welcome to QCC Early College Pathways!

QCC Early College Pathways is a concurrent enrollment program offered through Quinsigamond Community College's High School Dual Enrollment Programs unit. This guide serves our high school administrators, school counselors, and even students. It includes our course catalog, which outlines all available concurrent enrollment courses offered through the program, as well as concurrent enrollment instructor certification requirements and student eligibility guidelines.

We encourage you to explore the course listings and descriptions. These resources will help you determine how each course can support your Early College partnership. The catalog is updated on an annual basis, meaning course descriptions will be updated and perhaps even certification standards. For these reasons, please make sure you are reading the most current version.

## *List of Disciplines*

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# ***Student Eligibility***

Students who participate in the QCC Early College Pathways are required to meet the below listed qualifications. In addition, each course may have specific student eligibility requirements. Please make sure you read and understand student eligibility for the program as well as for the class.

## **Student eligibility for all courses includes:**

- Having passed 9th grade English and math,
- A minimum 2.7 GPA, and
- Meeting the specific criteria established by your high school.

Some courses have additional QCC-specific criteria, please see the specific course below.

Have questions, contact the office at: [EarlyCollege@qcc.mass.edu](mailto:EarlyCollege@qcc.mass.edu)



## ALH 102 Introduction to Medical Terminology

### Description

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.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#).

### Instructor Certification Requirements – ALH 102

Instructors seeking certification to teach ALH 102 at the high school will need:

- Bachelor's degree in healthcare related field, AND
- Teaching/training experience

## HLC 101 – Foundations in Healthcare

### Description

This course will help new Healthcare students make a successful transition to campus, both academically and personally. The course aims to foster a sense of belonging, promote engagement in the curricular and co-curricular life of the college, develop learning strategies, establish health career planning skills, and help to clarify purpose, meaning and direction. This course will offer students interested in healthcare careers the opportunity to identify and examine the admissions requirements of healthcare programs.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#).

### Instructor Certification Requirements – HLC 101

Instructors seeking certification to teach HLC 101 at the high school will need:

- Master's degree in a healthcare-related field
- Teaching/training experience

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# Art

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## ART 131 Introduction to Drawing

### Description

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.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for Art (ART 131, 132, and 141)

#### Option 1:

- Master's in fine arts, art, or art history

#### Option 2:

- Bachelor's in fine arts, art, or art history, AND
- Master's in humanities OR the equivalent

NOTE: "Master's in fine arts" as used here refers to any master's degree in the subject matter of fine arts, which is defined to include visual studio arts such as drawing, painting, sculpture, printmaking, ceramics, textiles, and metal and jewelry art; and also art education and art therapy. It does not refer to the "Master of Fine Arts" (MFA) degree when that degree is based on specialization in performing arts or dance, film, video, photography, creative writing or other non-plastic arts.)

## ART 132 Introduction to Drawing II

### Description

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.

**Credits:** 3

**Student eligibility/Prerequisite:** Having passed ART 131 with a C- or higher, and General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for ART 132

- Description detailed in Art 131, above.

## ART 141 Photographing People



### Description

This course covers both posed and candid photographs of people. Students learn the proper operation of various cameras (automatic, manual, single-lens reflex, digital) and the selection of subjects, posing, and lighting. Students must supply their own photographic equipment (a working camera) and pay their own processing costs for prints

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for ART 141

- Description detailed in Art 131, above.

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# Business

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## ACC 101 Accounting I

### Description

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.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#), and Placement into college level English

### Instructor Certification Requirements for Business (ACC 101, MGT 101, and MRK 201)

Instructors seeking certification in any Business course at the high school will need:

- A Master's in Business Administration

## **MGT 101 Introduction to Business**

### **Description**

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.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#), and Placement into college level English

### **Instructor Certification Requirements for MGT 101**

Instructors seeking certification in any Business course at the high school will need:

- A Master's in Business Administration

## **FIN 111 Personal Financial Planning**

### **Description**

This course examines the tools, terminology, and applications necessary to successfully manage financial matters in our daily lives. Topics include the personal financial planning process, career strategies, money management, personal taxation, financial institution services, investing in stocks and bonds, and consumer credit. Evaluation techniques related to housing, transportation, insurance, real estate, and retirement planning are also covered.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#) and Placement into college level English

### **Instructor Certification Requirements for FIN 111**

Instructors seeking certification in any Business course at the high school will need:

- A Master's in Business Administration

## **MRK 201 Marketing**

### **Description**

This course presents an overview of marketing management in modern organizations including an introduction to the concept of marketing, the role of marketing in society and the firm, marketing terms, and the various factors that influence marketing decision-making. Students learn how to apply those factors to analyze customers, competition, marketing strengths, and marketing weaknesses. Students study market research and selection, consumer buying behavior, and product development including pricing, promotion, distribution, and global marketing strategies.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#) and Placement into college level English

### **Instructor Certification Requirements for MRK 201**

Instructors seeking certification in any Business course at the high school will need:

- A Master's in Business Administration

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# *Computer Information Systems*

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## **CIS 105 Intro to Information Technology**

### **Description**

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. This course requires hands-on projects in which the students use the Windows environment.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### **Instructor Certification Requirements for CIS 105**

Instructors seeking certification to teach CIS 105 at the high school will need:

- Master's degree in a related discipline

*Due to rapid changes in this industry, certification standards may change year to year.*

## CIS 111 Intro to Microcomputer Applications

### Description

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. This course requires hands-on projects in which the students use the Windows environment.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for CIS 111

Instructors seeking certification to teach CIS 111 at the high school will need:

- Master's degree in a related discipline

*Due to rapid changes in this industry, certification standards may change year to year.*

## CSC 101 Python Programming



### Description

This course introduces analytical thinking and problem solving using the Python programming language. Python is a modern language popular in many scientific and engineering disciplines. Students learn key concepts that help them learn how to work with data in their disciplines. This course covers basic logic operations, creating reusable and generic functions, and the use of data structures to represent the components of a problem. Topics include control structures, iterators, functions, and basic data structures, such as list, dictionary, file, etc., which are common in many programming languages. Students implement, comment, test, and debug programs through class assignments.

**Credits:** 3

**Student eligibility/Prerequisite:** MAT 095 with a grade of "C" or higher or appropriate placement score, and General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for CSC 101

Instructors seeking certification to teach CSC 101 at the high school will need:

- Master's degree in a related discipline

*Due to rapid changes in this industry, certification standards may change year to year.*

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# English

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## ENG 101 Composition I

### Description

The course focuses on theme-based arguments. Students practice and develop critical reading, thinking, and writing skills necessary for college. Students read, analyze, and summarize college level analytic arguments from various genres (popular, academic, etc.) and compose research-based analytic arguments based on the course's theme. Students become aware of writing decisions made for different audiences, purposes, and genres, with a focus on academic writing conventions. Students also learn beginning research skills, including appropriate quotation, summary, paraphrase, and documentation skills. At the end of the semester, students compile a portfolio of 15-25 pages, to include their summary, synthesis, and analysis projects.

**Credits:** 3

**Student eligibility/Prerequisite:** Placement into college level English and General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for ENG 101 and ENG 102

Instructors seeking certification to teach ENG 101 at the high school will need:

#### *Option 1:*

- Requires a Master's degree in English.

#### *Option 2:*

- Applicants with a Bachelor's degree in English (or related) AND a Master's degree in a related field, may be considered. A Master's degree with 18-graduate credits in English or a related field may also be considered. Applicants are requested to indicate in their cover letter precisely how their background and experience have prepared them for the responsibilities of this position.

## ENG 102 Composition II

### Description

This theme-based course, the second in the composition sequence, develops and refines skills learned in ENG 101, with a specific focus on independent research. Students sharpen rhetorical, critical thinking, and academic writing skills and practice locating, evaluating, summarizing, synthesizing, and citing primary and secondary sources. Students will manage a sustained independent inquiry project(s) to include a research question or problem analysis, an annotated bibliography, and a research project. By the end of the semester, students will compile a portfolio of 15-25 pages that includes a self-reflection assignment and displays a writing and research process to include pre-writing, drafting, feedback, revision, and appropriate citation.

**Credits:** 3

**Student eligibility/Prerequisite:** Having passed ENG 101 with a C- or higher, and General student eligibility, listed on [page 3](#)

**Instructor Certification Requirements for ENG 102**

- Description detailed in ENG 101, above.

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## *First Year Experience*

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### **FYE 101 First Year Experience**

**Description**

This course will help new students make a successful transition to campus, both academically and personally. The course aims to foster a sense of belonging, promote engagement in the curricular and cocurricular life of the college, develop learning strategies, establish career planning skills, and help to clarify purpose, meaning and direction.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

**Instructor Certification Requirements for FYE 101**

Instructors seeking certification to teach FYE 101 at the high school will need:

- Master's in Counseling or related field

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## *History*

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### **HST 105 World History II: 1500 to World War I**

**Description**

This course examines the convergence of the world's people, cultures, and civilizations on a global scale beginning around the 16th century. It emphasizes themes such as the emerging global economy, colonialism, revolution, industrialization, imperialism, and the rise of the nation-state.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

**Instructor Certification Requirements for HST 105**

Instructors seeking certification to teach HST 105 at the high school will need:

- Master's in History

## HST 106 World History III: World War I to Present

### Description

This course examines recent and current interactions between the world's peoples, cultures, and civilizations. It emphasizes themes such as nationalism, migrations, technology, and economic and cultural interaction on a global scale.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for HST 106

Instructors seeking certification to teach HST 106 at the high school will need:

- Master's in History

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# Mathematics

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## MAT 051 Topics in Mathematics Corequisite

### Description

This course covers various topics in developmental mathematics to support students enrolled in MAT 121. Students apply remedial mathematics topics such as fractions, decimals, percent, order of operations, scientific notation, exponential notation, and solving equations to strengthen comprehension of college level topics in MAT 121. This course requires co-enrollment with MAT 121.

**Credits:** 2

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

### Instructor Certification Requirements for Mathematics (MAT 051, 052, 121, 122)

Instructors seeking certification to teach MAT 051 at the high school will need:

#### Option 1:

- Master's degree in mathematics, applied mathematics, statistics, mathematics education, or in a related field with at least 6 semester hours of graduate-level mathematics or mathematics education courses. (Must be confirmed by an unofficial transcript).

#### Option 2:

- Master's Degree in Mathematics/Mathematics Education or a related discipline. Interested applicants who may not meet the qualifications as stated above are encouraged to put in writing precisely how their background and experience have prepared them for the responsibilities of this position.

## **MAT 052 Statistics Corequisite**

### **Description**

This course covers various topics in developmental mathematics to support students enrolled in MAT 122. Students apply remedial mathematics topics such as fractions, decimals, percent, proportion, scientific notation, coordinates, slope, graphing of linear equations, and mathematical phrasing just-in-time to strengthen comprehension of statistics concepts. This course requires co-enrollment with MAT 122.

**Credits:** 2

**Student eligibility/Prerequisite: Corequisites:** MAT 122 Please Note: This developmental course cannot be used to satisfy degree or certificate requirements, and, General student eligibility, listed on [page 3](#)

### **Instructor Certification Requirements for MAT 052**

Description detailed in MAT 051, above.

## **MAT 121 Topics in Mathematics**

### **Description**

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.

**Credits:** 3

**Student eligibility/Prerequisite:** College level mathematics course, or QMAT placement score > 21, or Corequisite: MAT 051, and, General student eligibility, listed on [page 3](#)

### **Instructor Certification Requirements for MAT 121**

Description detailed in MAT 051, above.

## **MAT 122 Statistics**

### **Description**

This introductory statistics course covers descriptive statistics, probability, and inferential statistics. Statistical content includes sampling, graphical summaries of data, measures of center and variability, probability theory and distributions, standard and non-standard normal distributions, the Central Limit Theorem, confidence intervals, one-sample hypothesis tests, linear correlation and regression. Statistical technology is used.

**Credits:** 3

**Student eligibility/Prerequisite:** College level mathematics course, or QMAT placement score > 21, or Corequisite: MAT 052, and, General student eligibility, listed on [page 3](#)

### **Instructor Certification Requirements for MAT 122**

Description detailed in MAT 051, above.

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# *Psychology*

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## **PSY 101 Intro to Psychology**

### **Description**

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.

**Credits:** 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#) and Placement into college level English

### **Instructor Certification Requirements for PSY 101**

Instructors seeking certification to teach PSY 101 at the high school will need:

- Master's in Psychology, Counseling, or related field; if related field, must have a bachelor's in psychology

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# Sociology

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## SOC 101 Introductory Sociology (Principles)

### Description

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.

### Credits: 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#) and Placement into college level English

### Instructor Certification Requirements for SOC 101

Instructors seeking certification to teach SOC 101 at the high school will need:

- Master's in Sociology, Anthropology, or related field; if related field, must have bachelor's in sociology or anthropology

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# Spanish

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## SPN 111 Beginning Spanish I

### Description

This course introduces the fundamentals of the Spanish language. Students examine brief readings on the everyday aspects of the contemporary Spanish-speaking world. Students use common conversation, tell time, make comparisons, discuss the weather, and recognize and use basic tenses for common verbs. Previous knowledge of Spanish is not necessary.

### Credits: 3

**Student eligibility/Prerequisite:** General student eligibility, listed on [page 3](#)

**Instructors seeking certification to teach SPN 111 and SPN 112 at the high school will need:**

*Option 1:*

- Master's in the language being taught

*Option 2:*

- Bachelor's in the language being taught, AND
- Master's in another language or linguistics OR the equivalent

## **SPN 112 Beginning Spanish II**

### **Description**

This course is a continuation of SPN 111. Students continue to progress in the fundamentals of understanding, speaking, reading, and writing the Spanish language. The course emphasizes the development of reading skills through the study of enjoyable, short, and timely articles on contemporary life and culture in the Spanish-speaking world. The course covers more complex verb and pronoun forms.

**Credits:** 3

**Student eligibility/Prerequisite:** Having passed SPN 111 with a C- or higher, and General student eligibility, listed on [page 3](#)

### **Instructor Certification Requirements for SPN 112**

Description detailed in SPN 111, above.

