



Name _____ High School _____

Tues/Thu 12:30- 1:45– at QCC Room 214S

FIN 111 Personal Financial Planning - 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. **Microcomputer Applications Pathway**

Tues/Thu 12:30 – 1:45 PM – at QCC Room HLC 101

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

Tues/Thur 12:30-1:45PM – at QCC Room B62A

CRJ 102 Terrorism and Homeland Security - 3 Credits

This course covers the fundamentals of preparing an organization and community for terrorism in the 21st century. Areas of study include the concept of threat assessment, prevention, mitigation, and response. Students learn about crisis and consequence management, and the methods used to plan for and respond to domestic terrorist incidents involving nuclear, biological, or chemical weapons of mass destruction as it relates to Homeland Security.

Criminal Justice Pathway

**SPRING 2020 EARLY COLLEGE COURSES
JANUARY 22-MAY 12**

Tues/Thurs 2:30- 4:00 – At QCC Room 382A (QCC computer classroom - 20)

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. **Microcomputer Applications Pathway**

Tues/Thurs 2:30-4:00 – At QCC Room 210S (QCC general classroom - 28) – PSY 101

PSY 101 Introduction to Psychology - 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 2:30-4:00 – At QCC Room 254A (QCC computer classroom - 16)

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/Thu 2:30-4:00 – at QCC Room 362A (QCC general classroom - 29)

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. F/S **General Education Pathway**

SPRING 2020 EARLY COLLEGE COURSES
JANUARY 22-MAY 12

Tues/Thurs 2:30-4:00 – At QCC Room 377A (QCC computer classroom - 20)
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/S **Biotechnology Pathway**

Tues/Thurs 2:30- 4:00 – At QCC Room 375A (QCC computer classroom - 20)
MAT 122 Statistics Credits - 3

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.

MAT 095 with a grade of "C" or higher; or appropriate placement score

Healthcare Pathway

Tues/Thu MAT 100 - 2:30-4:00 at QCC Room 377A
MAT 100 College Algebra - 3 Credits

This course continues the areas of study presented in Intermediate Algebra with more advanced treatment. Students perform arithmetic operations on rational expressions, solve equations with fractions; factor expressions; simplify complex fractions; simplify exponential expressions, roots, radicals, and rational exponents; solve linear systems using several techniques; use the midpoint and distance formulas; recognize and graph the equation of a circle; solve linear and absolute value inequalities; solve quadratic equations by completing the square and by using the quadratic formula; solve equations containing radicals or absolute values; and perform arithmetic operations on radical expressions and complex numbers.

Prerequisite: MAT 099 with a grade of "C" or higher; or appropriate placement score. F/S/SU

SPRING 2020 EARLY COLLEGE COURSES
JANUARY 22-MAY 12

M/T/W/T/F- 8:13-9:00AM at Doherty

ENG 102 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU

M/T/W/T/F 7:20-8:09AM at Doherty

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

Tues/Thurs 7:20-9:00 AM at North High

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 **Computer Science Pathway**

Mon/Wed 7:20-9:00AM at South

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 **Computer Science Pathway**

**SPRING 2020 EARLY COLLEGE COURSES
JANUARY 22-MAY 12**

M/T/W/T/F- 8:13-9:00AM South HS

ENG 102 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU

M/T/W/T/F 8:00-8:52 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU

M/T/W/T/F 8:52-10:16 Every other Week 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU

M/T/W/T/F 8:52-10:16 Every other Week 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU

**SPRING 2020 EARLY COLLEGE COURSES
JANUARY 22-MAY 12**

M/T/W/T/F Every other week 11:35-12:58 at WTHS
MAT 121 Topics in Mathematics - 3 Credits

This course explores various areas in contemporary mathematics and consists of two components: required topics and optional topics. Required topics include mathematical patterns and problem solving, consumer finance, probability, statistics and Euclidean and transformational geometry. Optional topics may be chosen from the following: linear functions and applications; numeration systems; sets; logic; graph theory; election theory; apportionment; tessellations and fractals; and cryptography; in addition, instructors may also choose to expand upon the required topics.

Prerequisite: MAT 095 with a grade of "C" or higher; or appropriate placement score. F/S/SU
General Education Pathway

M/T/W/T/F Every other week 11:35-12:58 at WTHS
MAT 100 College Algebra - 3 Credits T

This course continues the areas of study presented in Intermediate Algebra with more advanced treatment. Students perform arithmetic operations on rational expressions, solve equations with fractions; factor expressions; simplify complex fractions; simplify exponential expressions, roots, radicals, and rational exponents; solve linear systems using several techniques; use the midpoint and distance formulas; recognize and graph the equation of a circle; solve linear and absolute value inequalities; solve quadratic equations by completing the square and by using the quadratic formula; solve equations containing radicals or absolute values; and perform arithmetic operations on radical expressions and complex numbers.

Prerequisite: MAT 099 with a grade of "C" or higher; or appropriate placement score. F/S/SU

M/T/W/T/F 7:20 – 8:09 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 to reflect the ethical standards of formal argument.

Prerequisite: ENG 101. F/S/SU