

URSULINE ACADEMY 2018-2019 Curriculum Guide

BUSINESS AND TECHNOLOGY

BU 212 CODING I

Grade: 9,10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: This semester long course aims to teach basic programming and computational concepts to students with little or no previous coding experience. Students will develop confidence in their ability to apply programming techniques to solve problems in a broad range of scenarios. This course uses the Python programming language and an online IDE. There is no prerequisite for this course but an understanding of algebraic concepts is encouraged.

BU 213 CODING II - ONLINE

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: BU 212

Description: This is an online self-paced course that goes further in-depth about the principles of computation, control structures, strings, and boolean logic. This course expands on the concepts learned in Coding I.

BU 249 AP COMPUTER SCIENCE PRINCIPLES

Grade: 11, 12

Credit: 1 Credit

Length: 2 Semesters

Prerequisite: BU 212 and BU 213

Description: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. This is a college preparatory course that will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and the impact of computing innovations on their lives. This course gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. This is a year long course.

Special cost or materials: Fee for Advanced Placement Exam if student chooses to take it

BU 145 COMPUTER GRAPHICS

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: Students will be introduced to the Adobe Suite image-editing programs, as well as various other computer graphic online-based applications and programs. While not limited to art students, this course emphasizes creativity and a willingness to explore and work independently. Final exam is a project.

BU 247 COMPUTER GRAPHICS - ONLINE

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: None

Description: Students will be introduced to the Adobe Suite image-editing programs, as well as various other computer graphic online-based applications and programs. While not limited to art students, this course emphasizes creativity and a willingness to explore and work independently. Final exam is a project.

BU 233 COMPUTER APPLICATIONS

Grade: 9, 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: This course serves as an introduction to the Google platform. Basic and advanced skills are taught using Google. Students will learn to use the computer as both a personal and business tool. Students will also use a variety of other web-based applications to continue to develop or improve their typing skills as well as their web-based application skills, knowledge and content. This course is designed for beginning, intermediate, or advanced students to build upon and improve their skills using web-based applications to prepare them for their future education and career paths.

BU 236 COMPUTER APPLICATIONS - ONLINE

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: This course serves as an introduction to the Google platform. Basic and advanced skills are taught using Google. Students will learn to use the computer as both a personal and business tool. Students will also use a variety of other web-based applications to continue to develop or improve their typing skills as well as their web-based application skills, knowledge and content. This course is designed for beginning, intermediate, or advanced students to build upon and improve their skills using web-based applications to prepare them for their future education and career paths.

BU 231 COMPUTER APPLICATIONS - SUMMER ONLINE

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: This course serves as an introduction to the Google platform. Basic and advanced skills are taught using Google. Students will learn to use the computer as both a personal and business tool. Students will also use a variety of other web-based applications to continue to develop or improve their typing skills as well as their web-based application skills, knowledge and content. This course is designed for beginning, intermediate, or advanced students to build upon and improve their skills using web-based applications to prepare them for their future education and career paths.

Special cost or materials: Additional tuition costs

BU 628 VIDEO PRODUCTION I

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: This course serves as an introduction to video production. Basic and advanced skills are taught using a variety of video production tools, including WeVideo, YouTube, student laptops, etc. Students will learn how to sandbox, storyboard, script, shoot, edit, reshoot, and finalize their videos they produce. Students will learn skills and techniques that are used from the most novice journalist and mobile journalist to major motion picture productions. This course is designed for beginning, intermediate, or advanced students to build upon and improve their video production skills to prepare them for their future education and/or career paths that may involve the elements of video production.

BU 252 VIDEO PRODUCTION II - ONLINE

Grade: 10, 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: BU 628

Description: This course enhances skills acquired in Video Production I. Students will continue to sandbox, storyboard, script, shoot, edit, reshoot, and finalize their videos they produce. Students will learn new, advanced editing and filming techniques, and create videos that take their production skills to the next level. This course is designed for advanced students to elevate their current video producing abilities and skills to prepare them for their future education and/or career paths that may involve the elements of video production.

BU 240 PERSONAL FINANCE

Grade: 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE (This course is required for all students.)

Description: This course serves as a preparation for the real world experience. Topics to be covered will include, but not limited to, career planning, personal financial planning, banking, credit, investments, transportation, real estate and insurance.

BU 241 INTRODUCTION TO ACCOUNTING

Grade: 11, 12

Credit: ½ Credit

Length: 1 Semester

Prerequisite: NONE

Description: Accounting is highly recommended to any student who is planning to pursue business in college. This course will be taught using the computer along with the text. Students will develop skills in the fundamentals of accounting and career options. Manual accounting procedures and electronic spreadsheets will be used.

BU 237 MARKETING

Grade: 11, 12

Credit: ½ Credit

Length: 1 Semester **Offered during the 2019-2020 academic year.**

Prerequisite: NONE

Description: This course is an overview of the important role that marketing plays in our economic system. Emphasis is on the effect of marketing on our economy; the consumer, industrial and special markets; product research and development.

BU 238 ENTREPRENEURSHIP

Grade: 11, 12

Credit: ½ Credit

Length: 1 Semester **Offered during the 2018-2019 academic year.**

Prerequisite: NONE

Description: This course is designed to introduce the student to the requirements of starting and operating a small business. The course focuses on how general business principles and knowledge, primarily management and marketing, pertain specifically to the small business and the entrepreneur. Students are given the opportunity to develop and analyze their management and marketing skills through realistic business start-up exercises. Students completing this course will have developed a functioning business plan or project.

YB 350 YEARBOOK - ONLINE

Grade: 9, 10, 11, 12

Credit: 1 Elective Credit; this course is an elective and does not fulfill the requirement for English.

Length: 2 Semesters, Students must commit to working on the publication of *THE OAK LEAVES* for the duration of the entire year.

Prerequisite: Students must have a "B" average in English Classes. **Teacher approval required.**

Additional time may be needed outside of class time to meet deadlines; times to be determined by the instructor.

Description: Students will learn how to use Wallsworth Online Design to layout and design pages. They will take photographs, place digital photos, write captions, edit pages, and submit work in a timely manner.

BN 627 BROADCAST NEWS AND PRODUCTION

Grade: 9, 10, 11, 12

Credit: 1 Credit

Length: 2 Semesters

Prerequisite: None

Description: Be a part of a UA Team that meets during the regular school schedule and helps produce various programs for the school broadcast. Student experiences will concentrate on in depth reporting and story development while expanding on aspects of live broadcast production introduced in prerequisite course. Students will report, write, edit, format, direct, film and anchor the school broadcast of UA Today. Each student will have the opportunity for hands-on learning with broadcast equipment. The student will learn and demonstrate effective communication and management skills as she works with others as a member of the UA Broadcast Team.

Special cost or materials: Broadcast Polo shirt (approximately \$28.00)