

## NEW COURSE RELEASE UPDATES—WINTER 2019

### Information Technology



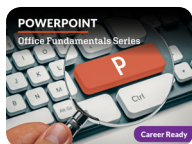
#### Introduction to Programming 1a **career ready**

Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence upon the world. Launch yourself into the endless possibilities a career as a programmer can bring you!



#### Access **career ready**

Learn to create, manage, and link databases for essential business operations. Develop your database, design, and planning skills and learn to implement security features to protect and back-up your important data. Put your new skills into practice with a capstone project. Content of this course will be applicable to the Microsoft Office Suite certification exam.



#### PowerPoint **career ready**

Learn to create clean and professional presentations while also building your skills as a speaker, leader, and marketer! Create and format presentations while inserting multimedia, images, transitions, and animations to make a dynamic final product!

Content of this course will also be applicable to the Microsoft Office Suite certification exam.



#### Foundations of Game Design 1a: Introduction **career ready**

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!



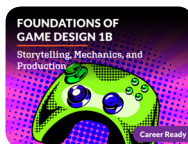
#### Digital Media Fundamentals 1a **career ready**

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!



#### Digital Media Fundamentals 1b **career ready**

Building on the prior prerequisite course, polish your digital media skills and learn all about web design. Incorporate your ideas into websites and dabble in the basics of marketing to understand how your work is used. Finally, explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career!



#### Foundations of Game Design 1b **career ready**

Building on the prior prerequisite course, use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. Content of this course also applies to certification exams.



#### Web Development 1a **career ready**

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest careers. In this course, you'll start to get a real picture of professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, JavaScript, and the development stack that will let you build any website you can dream up!

### Arts, A/V Technology & Communications



#### Digital Photography 1a: Introduction

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.



#### Journalism 1a: Introduction

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? Why? How? Journalism provides us with the answers to these questions. The skill of a true journalist is knowing how to find these key facts and being able to write them up in a way that makes it easy for others to read. In Middle School Journalism 1a: Introduction, you'll learn the elements of a good news story, how to gather credible information, and how to organize that information into a newsworthy article that others will want to read.



#### Journalism 1b: Investigating the Truth

Building on the prior prerequisite course, go beyond the world of print and discover how journalism can lead to exciting careers that will put you right in the action. Learn how to cover important events while honing your research and observational skills. Discover how journalism can shape your future and others.



#### Public Speaking 1a: Introduction

Do you strive to gain more confidence when speaking in front of people? Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.



#### Public Speaking 1b: Finding Your Voice

Building on the prior prerequisite course, bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your presentation.

## Science, Technology, Engineering & Math



### Biotechnology 1a: Introduction

Did you know that the field of biotechnology encompasses everything from plant and animal breeding to genetics? Discover how biotechnology has changed the world around us from food to genetics. Build on historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine. Increase your understanding of this cutting-edge field!



### Biotechnology 1b: Unlocking Nature's Secrets

Building on the prior prerequisite course, expand your knowledge in the field of biotechnology. Explore the discovery of antibiotics and the concerns of antibiotic resistance while also examining the agricultural, pharmaceutical, and genetic applications of biotechnology. Finally, learn about the future of biotechnology to understand the depth and breadth of this field.



### Astronomy 1a: Introduction

This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the origin of the universe, the Milky Way, and other galaxies and stars.



### Astronomy 1b: Exploring the Universe

Building upon the prior prerequisite course, this course presents a variety of subjects that allow the student to become more familiar with the universe. Students will explore the solar system, the sun, comets, asteroids, and meteors as well as become familiar with the concepts of space travel and settlements. Students will also examine the life cycle of stars and the properties of planets.



### Applied Engineering 1a **career ready**

**Applied Engineering 1a: Introduction**  
Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work.

Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world!

## Hospitality & Tourism



### Culinary Arts 1b: Finding Your Palate

Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

## Human Services



### Early Childhood Education 1a: Introduction

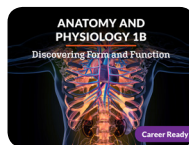
Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!



### Early Childhood Education 1b: Developing Early Learners

Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare!

## Health Sciences



### Anatomy and Physiology 1b: Discovering Form and Function **career ready**

Building on the prior prerequisite course, students will examine the form and function of even more body systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry.



### Allied Health Assistant 1a **career ready**

Are you passionate about helping people and making a difference in their lives? Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam room, schedule, bill and document all while solidifying your professional skills in communication, privacy, safety, and ethics.



### Medical Terminology 1b: Discovering Word Foundations **career ready**

Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms!

## Marketing



### Marketing 2a: Global Business and Trade **career ready**

Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. In this course, you'll find out how business and marketing works around the world! You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more!

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