eDynamic Learning
CAREER & ELECTIVE COURSES

2021 CTE & Career Library

Interactive Course Catalog

Guide Passion to Purpose

A Letter from the Founder, Kevin Viau

As a high school teacher, I was frustrated with the limited number of quality career and elective course options available to my students. I wanted to create a learning system that would engage students and encourage them to take increased ownership in their overall education.

In 2008, I founded eDynamic Learning. Over the last ten years, we have become the largest provider of CTE and elective courses in North America. Our catalog has grown to over 200 high-interest courses, which offer exciting and unique options for middle and high schools. Our catalog includes subjects as varied as Forensic Science, Culinary Arts, American Sign Language, and Game Design.

eDynamic Learning serves a unique role in secondary education. We give teachers the ability to offer flexible and engaging curriculum that helps students find their passion and prepare them with the knowledge and skills needed to make life-shaping college and/or career decisions.
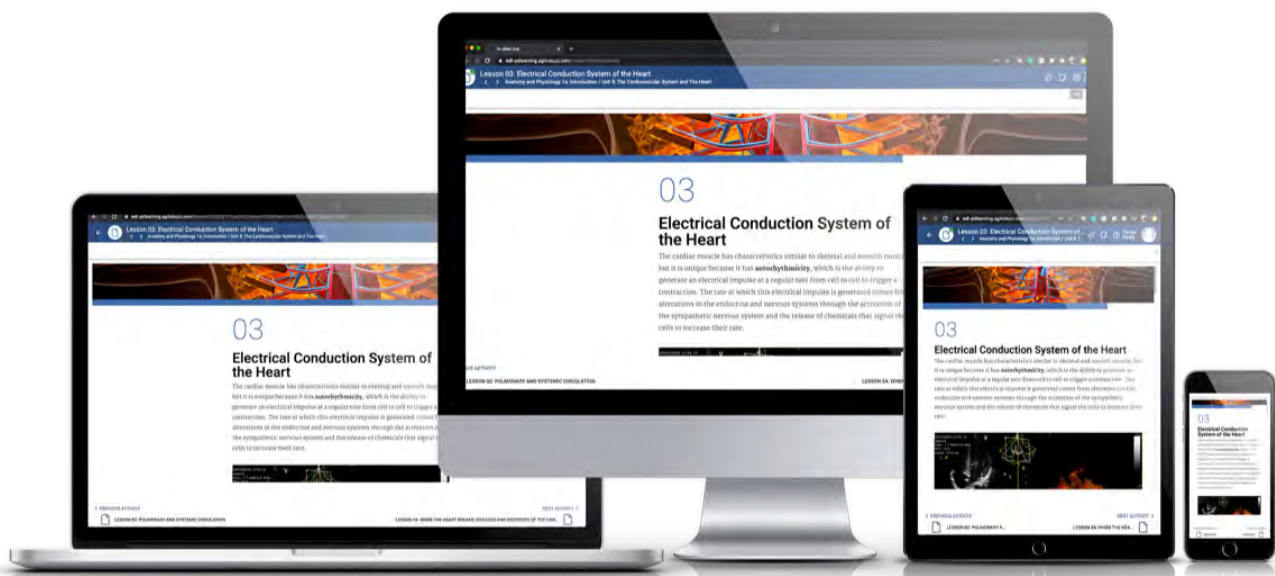
Mobile | Responsive | Accessible

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Why Choose eDynamic Learning?

Hassle-Free LMS Integration

All courses are compatible with most Learning Management Systems. If you don't have a Learning Management System, we can provide one.

Inclusive of all Learners

WCAG Version 2.0, Level AA

All courses meet Web Content Accessibility Guidelines 2.0 AA to support students that are deaf or hard of hearing, or blind or visually impaired.

Responsively Designed

Our courses work on all devices, including smartphones, laptops or desktops.

Easy Teacher Implementation

We provide free access to our support team for any questions that arise, easy-to-use teacher guides and materials, and professional development options to make the most of the curriculum.

Engaging & Friendly Interface

Each course offers a consistent, dependable, user-friendly design.

Learn more at
www.edynamiclearning.com

Universal Course **Appropriate course for all career clusters*

Course Code: EDL340

Workplace & Internship Readiness: Preparing for Work & Life

Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

Agriculture, Food & Natural Resources

Course Code: EDL044

Agriscience 1: Introduction

Is it possible to make our food more nutritious? Examine how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. Explore the innovative ways that science and technology are put to beneficial use in the field of agriculture. Additionally, explore controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.

Course Code: EDL066

Agriscience 2: Sustaining Human Life

Science and technology are revolutionizing many areas of our lives – and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, animals, and other natural resources. Let's delve deeper into important agri-areas such as soil science and weed management. And explore research on plant and animal diseases as well as the insects and other pests that can impact agricultural enterprises and natural resources.

Course Code: EDL112

Biotechnology 1a: Introduction

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore 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.

Course Code: EDL113

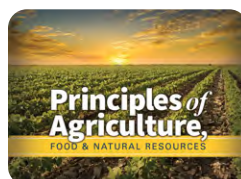### Biotechnology 1b: Unlocking Nature's Secrets

Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

Course Code: EDL069

Forestry and Natural Resources

Thriving forests are an essential part of the health of the planet, from our wildlife's ecosystem to providing humans with clean air to lumber and paper products. But forests cannot protect themselves and depend greatly on humans for conservation. Learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. Forestry offers diverse professional opportunities, and for those concerned about the environment, it is a great choice.

Course Code: EDL070

Principles of Agriculture, Food and Natural Resources

Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.
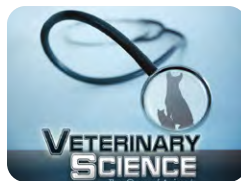
Renewable Technologies

Course Code: EDL071

Renewable Technologies are becoming increasingly important as concerns about climate change, the use of fossil fuels, and population growth become foremost in the public eye. So, how do we address the world'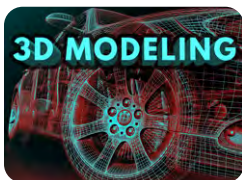s growing concerns about energy sources? Uncover the development of new energy technologies and explore how recent approaches to renewable technologies unlock the solution needed for a safer, cleaner, and more enduring world.

Veterinary Science: The Care of Animals

Course Code: EDL012

Whether you want to step into the wild side of veterinary medicine or just take care of loveable dogs and cats, explore how to care for domestic, farm, and wild animals, diagnose their common diseases and ailments, and learn about different veterinary treatments. If you have always been drawn to the world of our furry, scaly, and feathered friends, this is the course for you!

Arts, A/V Technology & Communications

3D Modeling

Course Code: EDL085

Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? This is a great place to start as it is the foundation for all these career paths. Explore graphic design and illustration as you use 3D animation software to create design projects while developing your drawing, photography, and 3D construction techniques. Let's get creating!

Digital Media Fundamentals 1b: Producing for the Web

Course Code: EDL238

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

Animation 1a: Introduction

Course Code: EDL351

Have you ever watched a cartoon or played a video game where the characters and animation captivated you enough to want to develop your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story and animation to life!

Digital Media Web Design 2a: Build a Portfolio Website

Course Code: EDL320

Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers.

Animation 1b: Animating Your Creativity

Course Code: EDL352

It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

Digital Media Web Design 2b: Build an eCommerce Website

Course Code: EDL321

Think of the best online stores you've visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

Digital Media Fundamentals 1a: Introduction

Course Code: EDL237

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 Photography 1a: Introduction

Course Code: EDL233

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.

Digital Photography 1b: Creating Images with Impact!

Course Code: EDL234

Let's further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field!

Digital Photography 2: Discovering Your Creative Potential
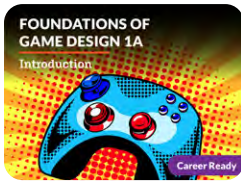
Course Code: EDL017

We are surrounded by images; in advertisements, on websites, in magazines, and on billboards. Learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. Examine various aspects of the photography field including specialty areas, ethics, and famous photographers throughout history.
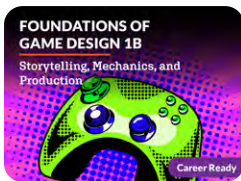
Fashion Design

Course Code: EDL349

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends that are reshaping the industry every day. Start creating!

Foundations of Game Design 1a: Introduction

Course Code: EDL243

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!

Foundations of Game Design 1b: Storytelling, Mechanics, and Production

Course Code: EDL244

Now that you have the basics of game design down, let's 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. The content of this course also applies to certification exams.

Interior Design

Course Code: EDL350

Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.

Theater, Cinema and Film Production 1a: Introduction

Course Code: EDL355

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

Theater, Cinema and Film Production 1b: Lights, Camera, Action!

Course Code: EDL356

Lights, camera, action ... take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen.

Web Development 1a: Introduction

Course Code: EDL219

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 career fields. Start to explore 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!

Web Development 1b: Planning and Designing

Course Code: EDL320

Having an aesthetically pleasing, secure, mobile-friendly, and well functioning website all starts with a plan. Start with learning how to apply the fundamentals of visual design to develop beautiful websites. Engage your users through different embedded media that you've learned how to create and embed. Understand your responsibility to keep you and your users safe through compliance and identifying web vulnerabilities by understanding security principles. Your career in web development starts here: with a plan and design!

Web Development 2a: Sketching and Scripting

You've already experienced web development on a smaller scale, but now, it's time to kick it up a notch! You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from a different perspective- your users!- and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work. Let's get that framework going!

Course Code: EDL318

Business Management & Administration

Business Communications 1a: Introduction

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

Course Code: EDL271

**Business Communications 1b:
Listen, Speak, & Write in the Workplace**

In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

Course Code: EDL272

**Business Information Management 1a:
Introduction**

Do you dream of owning your own business someday, or working for a company in a leadership position? Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success. Let's explore your passion for business in this course!

Course Code: EDL215

**Business Information Management 1b:
Data Essentials**

Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

Course Code: EDL216

Business Law 1a

Whether you plan on starting your own business or being in charge of one, it is crucial you understand how to keep the company compliant. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law.

Course Code: EDL273

Business Law 1b: Legal Aspects of Business

Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone.

Course Code: EDL274

Business Ownership 1a: Introduction

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling!

Course Code: EDL281

Entrepreneurship 1a: Introduction

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Course Code: EDL261

Entrepreneurship 1b: Make Your Idea a Reality

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

Course Code: EDL262

International Business: Global Commerce in the 21st Century

With the evolution of technology, our world is more connected than ever before, and the business community today is larger than ever. Gain the knowledge, skills, and appreciation to live and work in the global marketplace. You'll begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century.

Course Code: EDL030

Legal Admin Specialist 1a: Introduction

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

Course Code: EDL275

Legal Admin Specialist 1b: Taking Care of the Legal Office

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

Course Code: EDL276

Management 1a: Introduction

From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management.

Course Code: EDL239

Management 1b: Insight & Oversight

Every business and company needs management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.

Course Code: EDL240

Microsoft Outlook

Master your email and learn about Outlook's functions to produce professional communications, helping you to succeed in business and in life. Understand effective communication techniques, working with attachments, formatting, replying, and organizing. Be prepared for your day with other features such as calendars, contacts, and tasks. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

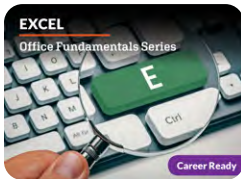Course Code: EDL228

Microsoft PowerPoint

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.
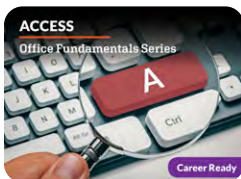
Course Code: EDL229

Microsoft Word

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepare you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam.

Course Code: EDL230

Microsoft Excel

Discover the real world uses of Microsoft Excel and its impact upon business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

Course Code: EDL231

Microsoft Access

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. The content of this course will be applicable to the Microsoft Office Suite certification exam.

Course Code: EDL232

Office Administration 1a: Introduction

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

Course Code: EDL247

Office Administration 1b: Running the Office

You have learned some of the skills that an administrative professional must possess, but now it's time to take those skills to the next level! You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing. Do you love the idea of being the glue in a successful business, helping everything run smoothly and properly? Then let's continue your journey into the career of an administrative professional!

Course Code: EDL248

Principles of Business, Marketing, and Finance 1a: Introduction

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

Course Code: EDL223

Principles of Business, Marketing, and Finance 1b: Targeting Your Business Insight

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

Course Code: EDL224

Education & Training

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!

Course Code: EDL118

Early Childhood Education 1b: Developing Early Learners

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.

Course Code: EDL119

Real World Parenting

Do you love children? Maybe you plan on babysitting or having your own someday. Learn how being a parent is much more than merely feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are critical aspects. Learn how to be a positive force in the development of your future children, as well as others around you.

Course Code: EDL016

Finance

Personal and Family Finance

We all know money is essential in life, and the financial decisions you make today may have a lasting effect on your future. Explore how to spend and save your money wisely, and learn key financial concepts around taxes, credit, and money management. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.

Course Code: EDL018

Principles of Business, Marketing, and Finance 1a: Introduction

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

Course Code: EDL223

Principles of Business, Marketing, and Finance 1b: Targeting Your Business Insight

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

Course Code: EDL224

Government & Public Administration

Military Careers

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches – Air Force, Army, Coast Guard, Marines Corps, and Navy – and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Course Code: EDL068

National Security

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career.

Course Code: EDL074

Principles of Public Service: To Serve & Protect

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Course Code: EDL058

Health Sciences

Allied Health Assistant 1a: Introduction
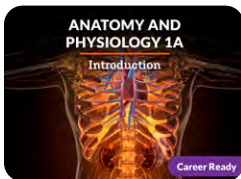
Course Code: EDL249

Are you passionate about helping people and making a difference in their lives? If you're planning on going into the healthcare field, then this course is for you! Explore your options by learning how to properly care for your patients and provide for the administrative needs of health care. Learn to prepare exam rooms, schedule, bill and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

Allied Health Assistant 1b: Skills and Specialties

Course Code: EDL250

Allied health encompasses a broad range of different healthcare professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

Anatomy and Physiology 1a: Introduction

Course Code: EDL148

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems , as well as diseases that affect those systems.

Anatomy and Physiology 1b: Discovering Form and Function

Course Code: EDL149

Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. And discover the importance of accurate patient documentation as well as the technology used in the industry.

Dental Assistant 1a: Introduction

Course Code: EDL253

Are you a compassionate person who genuinely cares about helping others be healthy? Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

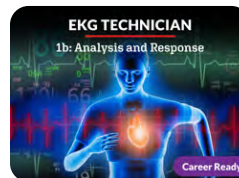### Dental Assistant 1b: Principles of Clinical Dentistry

Course Code: EDL254

You have scraped the surface of how rewarding assistant dentistry can be, and now it's time to drill deeper into the inner-workings of the role. In Dental Assistant 1b: Principles of Clinical Dentistry, you'll learn about the daily duties of a dental assistant including the structure of an office visit, managing patient records, and administrative aspects of the role. You'll also explore how patient health can impact oral health, how to prepare for and perform a patient visit, and how to succeed in a team environment. Let's continue polishing those skills to become a dental assistant today! (Back to School 2021)

EKG Technician 1a: Introduction

Course Code: EDL265

Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives. If you're a people person and want to work in healthcare, build the knowledge and skill base to prepare you for a cardiovascular career.

EKG Technician 1b: Analysis and Response

Course Code: EDL266

Does the thought of becoming an EKG Technician still make your heart skip a beat? Continue your journey through the peaks and valleys of EKG waves and really dig into the details of the cardiac code to fulfill your ultimate goal: saving lives! This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders. Let's get ready to continue your adventure into the world of cardiology and a possible career as a EKG Technician

Emergency Medical Responder 1a: Introduction

Course Code: EDL300

Have you ever wondered what happens after making a 911 call? Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder.

Emergency Medical Responder 1b: Prepared for Action

Course Code: EDL301

Being an emergency medical responder is dynamic and challenging. EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team.

Health Science Foundations 1a: Introduction

Course Code: EDL152

Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

Health Science Foundations 1b: Professional Responsibilities

Course Code: EDL153

Making sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

Health Science: Public Health

Course Code: EDL091

What is public health? Who decides which diseases get funding and which do not? What are the reasons for health inequality? Study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role of worldwide current and future technologies and the ethics and governance of health on a global scale, and discover unique career opportunities you can pursue to make a difference.

Health Science: Nursing

Course Code: EDL092

The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

Health Science 1: The Whole Individual

Course Code: EDL029

Finding effective solutions to different health problems is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? You'll be introduced to disciplines such as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future.

Health Science 2: Patient Care and Medical Services

Course Code: EDL054

Explore the roles healthcare professionals play in treating patients. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Medical Diagnostic Technology 1a: Introduction

Course Code: EDL259

Have you ever wondered how a health professional knows how to diagnose an illness? Or what medications to prescribe to a patient depending on the person's body and their signs and symptoms? Learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

Medical Diagnostic Technology 1b: Exploring Systems & Procedures

Course Code: EDL260

Our bodies are complex, and when we start feeling ill, a doctor or specialist must analyze and diagnose what could be wrong. Learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!
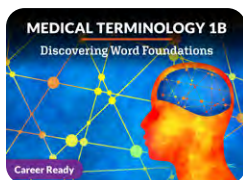
Medical Terminology 1a: Introduction

Course Code: EDL241

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Medical Terminology 1b: Discovering Word Foundations

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.

Course Code: EDL242

Nursing Assistant 1a: Introduction

If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities, anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field.

Course Code: EDL245

Nursing Assistant 1b: Patient Care

As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care - even for the most complex patient needs.

Course Code: EDL246

Pharmacology 1a: Introduction

If you ever thought about pursuing a gratifying career in biomedical sciences, pharmacology is a must. Pharmacology is the fascinating study of the chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications.

Course Code: EDL302

Sports Medicine 1a: Introduction

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field.

Course Code: EDL304

Sports Medicine 1b: Injury Prevention

You've warmed up those muscles and stretched your understanding of basic human biomechanics, but now it's time to power forward your learning even further! In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury. Are you ready to keep athletes functioning at peak levels? Grab your sports tape and let's hit the field of sports medicine!

Course Code: EDL305

Hospitality & Tourism

Culinary Arts 1a: Introduction

Thinking of a career in the food service industry or looking to develop your culinary skills? Explore basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

Course Code: EDL235

Culinary Arts 1b: Finding Your Palate

Did you know that baking is considered a science? 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. Explore careers in the culinary arts for ways to channel your newfound passion!

Course Code: EDL236

Culinary Arts 2: Baking, Pastry, and More!

Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, you'll build a strong foundation and grow your knowledge of this exciting industry. Explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. Enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company.

Course Code: EDL096

Hospitality and Tourism 1: Traveling the Globe

Course Code: EDL027

Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field.

Hospitality and Tourism 2a: Hotel and Restaurant Management

Course Code: EDL088

Are you a people person? Then hospitality may be the field for you! Learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. Discover trends and technology that makes each industry exciting and innovative. Explore a variety of interesting job options from Front Desk and Concierge services to Maître d' and food service.

Hospitality and Tourism 2b: Management, Marketing & Operations

Course Code: EDL111

Embark on your journey to becoming a manager in the hotel or restaurant industry by gaining knowledge and developing a variety of skills. Learn about different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. You'll also explore how to create menus, advertise vacancies, perform interviews, and understand financials of the hotel or restaurant.

Restaurant Management

Course Code: EDL061

Have you ever dreamed of running your own restaurant? Explore exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

Human Services

Cosmetology 1: Cutting Edge Styles

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? Just like all careers, cosmetology requires certain skills and characteristics. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

Course Code: EDL046

Cosmetology 2: The Business of Skin & Nail Care

This vibrant industry needs skilled and personable professionals well-versed in the latest trends and technological advances. Explore what the day-to-day life of a cosmetologist is like, and discover that cosmetology is much more than knowing and applying techniques. Learn skin care and facials, how to give manicures and pedicures, how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Course Code: EDL100

Cosmetology 3a: Introduction to Hair Skills

Cosmetology is a specialized field with a high skill set. Examine the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. You'll learn about hair types, face shapes, and color theory. And, to effectively prepare you for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

Course Code: EDL108

Cosmetology 3b: Waving, Coloring and Advancing Hair Skills

Let's delve into the realm of hairstyling and cutting techniques! Explore a variety of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Discover manual curling and the use of chemicals to curl and straighten hair, as well as safety when working with chemicals. Expect to be well versed with a plethora of hair skills upon completion.

Course Code: EDL156

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!

Course Code: EDL118

Early Childhood Education 1b: Developing Early Learners

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.

Course Code: EDL119

Human and Social Services 1: Introduction

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. Explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

Course Code: EDL093

Personal and Family Finance

We all know money is essential in life, and the financial decisions you make today may have a lasting effect on your future. Explore how to spend and save your money wisely, and learn key financial concepts around taxes, credit, and money management. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.
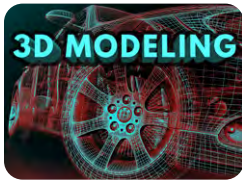
Course Code: EDL018

Real World Parenting

Do you love children? Maybe you plan on babysitting or having your own someday. Learn how being a parent is much more than merely feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are critical aspects. Learn how to be a positive force in the development of your future children, as well as others around you.

Course Code: EDL016

Information Technology

3D Modeling

Course Code: EDL085

Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? This is a great place to start as it is the foundation for all these career paths. Explore graphic design and illustration as you use 3D animation software to create design projects while developing your drawing, photography, and 3D construction techniques. Let's get creating!

Animation 1a: Introduction

Course Code: EDL351

Have you ever watched a cartoon or played a video game where the characters and animation captivated you enough to want to develop your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story and animation to life!

Animation 1b: Animating Your Creativity

Course Code: EDL352

It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

Applied Engineering 1a: Introduction

Course Code: EDL255

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!

Applied Engineering 1b: Solving Problems Together

Course Code: EDL256

Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations.

Coding 1a: Introduction to Programming

Course Code: EDL087

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Discover how to create and build your own website using HTML and CSS, and learn the basics of JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.

Coding 1b: Programming

Course Code: EDL105

Let's continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.

Cybersecurity 1a: Foundations

Course Code: EDL098

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Cybersecurity 1b: Defense Against Cyber Threats

Course Code: EDL099

Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyberattacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. Cybersecurity will play an increasingly larger role in our personal and professional lives in the years to come.

Digital Media Fundamentals 1a: Introduction

Course Code: EDL237

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: Producing for the Web

Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field.

Course Code: EDL238

Digital Media Web Design 2a: Build a Portfolio Website

Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers.
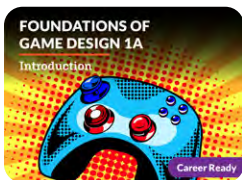
Course Code: EDL320

Digital Media Web Design 2b: Build an eCommerce Website

Think of the best online stores you've visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

Course Code: EDL321

Foundations of Game Design 1a: Introduction

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!

Course Code: EDL243

Foundations of Game Design 1b: Storytelling, Mechanics, and Production

Now that you have the basics of game design down, let's 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. The content of this course also applies to certification exams.

Course Code: EDL244

Game Design 2a: Build a World

Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.

Course Code: EDL330

Game Design 2b: Launch a Game

You've already done the groundwork, and now it's time to level up and launch! In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, your real-world game begins: test and evaluate your game and prepare for a market launch! All of the moving parts of the game development process come together in this course, so you can unleash your game into the world!

Course Code: EDL331

Introduction to Networking 1a: Introduction

What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks – and even make cables in Wired Networking activities. Get started with your introduction to networking!

Course Code: EDL251

Intro to Networking 1b: Network Oversight

Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

Course Code: EDL252

Introduction to Programming 1a

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!

Course Code: EDL221

Introduction to Programming 1b

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.
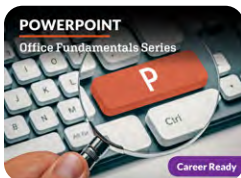
Course Code: EDL222

Microsoft Outlook

Master your email and learn about Outlook's functions to produce professional communications, helping you to succeed in business and in life. Understand effective communication techniques, working with attachments, formatting, replying, and organizing. Be prepared for your day with other features such as calendars, contacts, and tasks. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

Course Code: EDL228

Microsoft PowerPoint

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.

Course Code: EDL229

Microsoft Word

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepare you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam.

Course Code: EDL230

Microsoft Excel

Discover the real-world uses of Microsoft Excel and its impact upon business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. The content of this course will also be applicable to the Microsoft Office Suite certification exam.

Course Code: EDL231

Microsoft Access

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. The content of this course will be applicable to the Microsoft Office Suite certification exam.

Course Code: EDL232

Network Security Fundamentals 1a: Introduction

Have you seen news headlines about cyber data breaches or hacks? With so many businesses working hard to ensure that their data and their customers' information stay safe and secure, it's no wonder that careers in cybersecurity are in high demand. Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur. Could you be the security specialist that stops the next cyberattack?

Course Code: EDL217

Network Security Fundamentals 1b: Forensics & Permissions

As the world becomes increasingly more interconnected by technology, computer and mobile-based crimes are becoming more prevalent. Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field. As a cybersecurity specialist, you'll never get bored with trying to keep individuals and organizations safe!

Course Code: EDL218

Operational Cybersecurity 1a: Introduction

Even when we use the strongest bricks, Firewalls can be breached and other security measures can be exploited by malicious cyberattackers. In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure through the use of cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response. Are you ready to help businesses protect personal information and outsmart cyber attackers? Grab your white hat, BYOD, and let's get started!

Course Code: EDL332

Principles of Information Technology 1a: Introduction

Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!
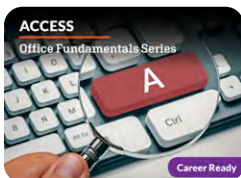
Course Code: EDL150

Principles of Information Technology 1b: Working with Computers

Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

Course Code: EDL151

Programming 2a: Procedural Programming

Congratulations; you're speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language 'speak'. You'll explore the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

Course Code: EDL322

Programming 2b: Creative Programming

Get ready to take your programming abilities to the next level in Programming 2b! You'll start by developing a simple web page using HTML, CSS, and JavaScript and then you'll practice your Python skills, making your own photo editor and sound player! Using API, you'll practice adding a weather widget to a website and you'll ensure page safety using encryption techniques through Python. You'll test, you'll inspect, you'll collaborate, and for your finale, you'll craft a graphical user interface for an app using Python's Tkinter! Let's get ready to program!

Course Code: EDL323

Robotics 1a: Introduction

Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high-demand field.

Course Code: EDL326

Web Development 1a: Introduction

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 career fields. Start to explore 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!
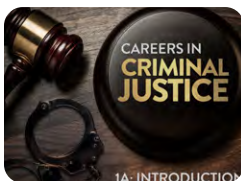
Course Code: EDL219

Web Development 1b: Planning and Designing

Having an aesthetically pleasing, secure, mobile-friendly, and well functioning website all starts with a plan. Start with learning how to apply the fundamentals of visual design to develop beautiful websites. Engage your users through different embedded media that you've learned how to create and embed. Understand your responsibility to keep you and your users safe through compliance and identifying web vulnerabilities by understanding security principles. Your career in web development starts here: with a plan and design!

Course Code: EDL320

Law, Public Safety, Corrections & Security

Careers in Criminal Justice 1a: Introduction

Have you ever wondered what steps take place as people as they move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

Course Code: EDL347

Careers in Criminal Justice 1b: Finding Your Specialty

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

Course Code: EDL348

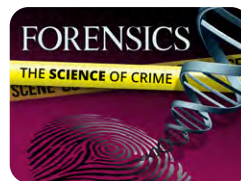### Criminology: Inside the Criminal Mind

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

Course Code: EDL008

Forensics: The Science of Crime

Fingerprints. Blood spatter. DNA analysis. Law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Explore techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, you'll follow evidence trails until the CSI goes to trial in the criminal justice system, examining how various elements of the crime scene are analyzed and processed.

Course Code: EDL131

Forensic Science 1: Secrets of the Dead

Course Code: EDL011

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, then forensic science may be for you. Explore the riveting job of crime scene analysis, and lea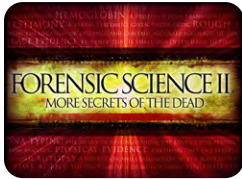rn the techniques and practices applied during a crime scene investigation, including how clues and data are recorded and preserved. Discover how technology is applied to make discoveries and bring criminals to justice.

Forensic Science 2: More Secrets of the Dead

Course Code: EDL022

The best way to battle crime these days is not with a weapon, but with science. Dig deeper into the science of forensics and the basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology. Find out how scientists use everything from insects to bones to help them solve crimes. And discover how advanced techniques and technology can lead to catching even the craftiest criminal.

Law and Order: Introduction to Legal Studies

Course Code: EDL003

Imagine if there were no laws and people could do anything they wanted. Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Explore the importance of laws and how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you'll learn to appreciate the larger legal process and how it safeguards us all.

Legal Admin Specialist 1a: Introduction

Course Code: EDL275

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin

Legal Admin Specialist 1b: Taking Care of the Legal Office

Course Code: EDL276

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

National Security

Course Code: EDL074

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career.

Principles of Public Service: To Serve & Protect

Course Code: EDL058

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Manufacturing

Manufacturing: Product Design and Innovation

Course Code: EDL053

Have you ever wondered how products made it to store shelves? Goods we purchase must go through a manufacturing process before they can be marketed and sold. Learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! See how exciting, creative, and practical this industry can be.

Marketing, Sales, and Services

Advertising and Sales Promotion

Great marketing strategies can be powerful. Every year companies spend approximately $200 billion promoting their products and services – and that's just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

Course Code: EDL064

Marketing Foundations 1a: Introduction

Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

Course Code: EDL226

Marketing Foundations 1b: Building Your Base

Dig deeper into the world of marketing and what it means for business success! Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

Course Code: EDL227

Marketing 2a: Global Business & Trade

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. Discover 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.

Course Code: EDL269

Marketing 2b: Developing a Sales Team

How does a business make money? If you said sales, then you're right! This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

Course Code: EDL270

Principles of Business, Marketing, and Finance 1a: Introduction

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility.

Course Code: EDL223

Principles of Business, Marketing, and Finance 1b: Targeting Your Business Insight

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job!

Course Code: EDL224

Social Media: Our Connected World

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Course Code: EDL059

Sports and Entertainment Marketing

The world of sports and entertainment is never boring. This field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multi-billion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful.

Course Code: EDL034

Science, Technology, Engineering & Math

Applied Engineering 1a: Introduction

Course Code: EDL255

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!

Applied Engineering 1b: Solving Problems Together

Course Code: EDL256

Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations.

Biotechnology 1a: Introduction

Course Code: EDL112

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore 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.

Biotechnology 1b: Unlocking Nature's Secrets

Course Code: EDL113

Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

Coding 1a: Introduction to Programming

Course Code: EDL087

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Discover how to create and build your own website using HTML and CSS, and learn the basics of JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.

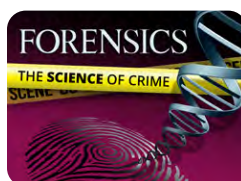### Coding 1b: Programming

Course Code: EDL105

Let's continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.

Concepts of Engineering and Technology

Course Code: EDL067

Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

Forensics: The Science of Crime

Course Code: EDL131

Fingerprints. Blood spatter. DNA analysis. Law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Explore techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, you'll follow evidence trails until the CSI goes to trial in the criminal justice system, examining how various elements of the crime scene are analyzed and processed.

Great Minds in Science: Ideas for New Generation

Course Code: EDL013

Does life exist on other planets? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions. Like such famous minds from history as Edison, Einstein, Curie, and Newton, today's scientists are finding ways to revolutionize our lives and the world. Explore the extraordinary work of past individuals and how their ideas may very well shape the world of tomorrow.

Marine Science: Secrets of the Blue

Course Code: EDL073

Have you ever wondered about the secrets of the deep and the creatures below the ocean's surface? It is truly a new frontier of discovery. Begin to better understand the aquatic cycles, structures, and processes that generate and sustain life in the sea. You'll use scientific inquiry, research, and problem-solving to conduct various scientific procedures and become a more capable marine scientist.

Introduction to Programming 1a

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 on the world. Launch yourself into the endless possibilities a career as a programmer can bring you!

Course Code: EDL221

Introduction to Programming 1b

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.

Course Code: EDL222

Programming 2a:
Procedural Programming

Congratulations; you're speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language 'speak'. You'll explore the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

Course Code: EDL322

Programming 2b: Creative Programming

Get ready to take your programming abilities to the next level in Programming 2b! You'll start by developing a simple web page using HTML, CSS, and JavaScript and then you'll practice your Python skills, making your own photo editor and sound player! Using API, you'll practice adding a weather widget to a website and you'll ensure page safety using encryption techniques through Python. You'll test, you'll inspect, you'll collaborate, and for your finale, you'll craft a graphical user interface for an app using Python's Tkinter! Let's get ready to program!

Course Code: EDL323

Principles of Information Technology 1a:
Introduction

Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!

Course Code: EDL150

Principles of Information Technology 1b:
Working with Computers

Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

Course Code: EDL151

Renewable Technologies

Renewable Technologies are becoming increasingly important as concerns about climate change, the use of fossil fuels, and population growth become foremost in the public eye. So, how do we address the world's growing concerns about energy sources? Uncover the development of new energy technologies and explore how recent approaches to renewable technologies unlock the solution needed for a safer, cleaner, and more enduring world.

Course Code: EDL071

Comprehensive Curriculum

Offer courses that engage your students in meaningful ways and improve their educational experience within your school program. Our courses allow students to find their passion, hone their skills, engage socially and intellectually, and achieve academic excellence.

Personal Curriculum Narratives
Engaging curriculum narratives employ backwards design methodology to support best practices on how today's students learn.

Reflective Discussion Assignments
High-interest discussion questions encourage students to reflect, collaborate, and share learning experiences.

Captivating Course Lab Activities
The principals of Bloom's Taxonomy are applied to labs and activities as students evaluate, create, and analyze.

Contemporary Graphics
Next generation graphics and thought-provoking instructional design that is expected by today's online student.

Optional Support Tool Bar
Support students diverse needs with over 90 language translations, text-to-speech read aloud, dictionary tool, screen masking, and more!

Balanced Reading Level
Courses consist of an interesting and balanced reading level. Bold text helps students identify main ideas, keywords, and concepts.

Interactive Features
Flashcards, slideshows, diagrams and other elements engage students with the content and decrease passive learning.

Formative & Summative Assessments
Courses contain auto-graded unit quizzes, midterm exams, and final exams. Students also have opportunities to "test their knowledge" before quizzes.

Podcast Narrations
Each course unit contains professional audio narrations to provide support for auditory learners. Students can also listen on-the-go to make the most of their time and take learning deeper.

Videos
Short videos offer closed captioning and engaging content.

How Our Courses Are Offered

OPTION 1
Courses can be delivered though your school's learning management system. eDynamic Learning courses are 100% compatible with the most popular learning management systems used in K12 education.

OPTION 2
Our courses can be hosted on our robust eDynamic Learning management system. Based on school colors and logo, the learning management system is custom branded for your school.

AGILIX Buzz · moodle · canvas

Blackboard · schoology · D2L | Brightspace

Contact Us to Learn More

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