

VTVLC CTE Catalog-Canvas

Area / Course Name	Course Description	Course Highlights
Advanced Manufacturing		
Applied Engineering 1A (EDL) 0.5 cr	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!	<ul style="list-style-type: none"> -Discover the history of engineering and how technology has shaped society -Understand the structure of the atom and its role in the science of electricity -Identify different types of circuits and associated laws -Learn the scientific method and engineering design process -Become familiar with various pictorial and orthographic drawing techniques and CAD software
Engineering & Technology (EDL) 0.5 credit	What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.	
3D Modeling (EDL) 0.5 credit	Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start as it is the foundation for all these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D construction techniques and develop the skills needed to navigate within a 3D digital modeling workspace. This course is an excellent introduction to careers in the fast-growing field of technology and design.	
Manufacturing - Design & Innovation (EDL) 0.5 credit	Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will 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! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.	

Cybersecurity

Coding 1a: Introduction to Programming (EDL) 0.5 cr	In Coding 1a: Introduction to Programming, you will 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. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.	
Coding 1b: Programming (EDL) 0.5 cr	Cultivate your understanding of programming languages and expand on your knowledge of website development. 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 (EDL) 0.5 cr	We depend more and 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"? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also 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 Threats (EDL) 0.5 cr	Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber attacks, 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. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come.	
Programming 1A - Introduction (EDL) 0.5 credit	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!	<ul style="list-style-type: none"> -Learn about different programming languages and the environment that they are used -Develop algorithms designed to be run on a computer -Discover how to use programming to solve real-world problems -Investigate job opportunities in the programming field
Programming 1B - Problem Solving Through Programming (EDL) 0.5 credit	Building on the prior prerequisite course, 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.	<ul style="list-style-type: none"> -Describe and create tools for designing a program -Follow quality assurance procedures for testing, identifying problems, and tracking resolutions -Identify and debug errors, and create robust programs that handle errors effectively -Analyze the impact of computer laws on privacy and security -Identify risks to IT facilities, data communication systems, and software applications

AP Computer Science (FLVS) 1 credit

The AP Computer Science A course is an introductory computer science course. A large part of the course involves developing the skills to write programs or parts of programs that correctly solve specific problems. The course also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition, an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course.

Health Careers

Allied Health Assistant 1A (EDL) 0.5 credit

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

- Learn about the various health assistant roles and the tasks they perform
- Explore a day in the life of a health assistant
- Get first-hand knowledge of the difference that a health care assistant can make in the daily life of patients that you will follow throughout the course
- Videos throughout the course provide examples of important concepts

Allied Health Assistant 1B (EDL) 0.5 credit

If you're planning on going into the health care field, then this course is for you! Allied health encompasses a broad range of different health care 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.

- Describe the scope of practice for medical laboratory services
- Compare and contrast various diagnostic imaging techniques
- Explain the scope of practice for allied health careers in cardiology services
- Explain the scope of practice for respiratory services
- Differentiate between various medical and surgical definitions as well as conditions
- Explain the scope of practice for pharmacy services
- Explain the scope of practice for emergency services
- Discuss the scope of practice for dentistry services
- Consider the animal care industry and basic knowledge of laboratory procedures used in veterinary practice

Health Science Foundations 1A - Introduction (EDL) 0.5 credit

Introduce your students to the rewarding field of health science! Learners will acquire foundational knowledge required to pursue a career, such as the roles in the health care industry and the education, training, and credentials needed to attain them. Basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities are also discussed. In addition, students will explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

- Examine the components of a health care team and explore how teamwork is built.
- Learn about the smallest parts in the body and how they contribute to our overall health.
- Discover how to keep yourself, and others, physically and mentally healthy.
- explore the responsibilities of health care providers and patients.

Health Science Foundations 1B - Professional Responsibilities (EDL) 0.5 credit

Building on the prior prerequisite course, you will further develop your understanding of health science. Starting with safety, you will analyze your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Infection control, first-aid, CPR, and measuring vitals are discussed in detail. You will also learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. Finally, examine effective team work and leadership characteristics while building your employment skills.

- Explore employment opportunities in healthcare and analyze your career goals.
- Understand how infection can spread and what steps to take to combat the advance of infectious diseases.
- Describe the roles of different healthcare team members and explain characteristics of good teams.
- Understand how advanced technologies can be used in diagnosing and treating patients.

Health Science - Nursing (EDL) 0.5 credit	<p>Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities 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.</p>	
Health Science - Public Health (EDL) 0.5 credit	<p>What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will 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 current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations.</p>	
Health Science - The Whole Individual (EDL) 0.5 credit	<p>We know the world is filled with different health problems and finding effective solutions 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? How are such illnesses as meningitis and tuberculosis identified and diagnosed? Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines 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 human life in our future.</p>	
Health Science - Patient Care & Medical Services (EDL) 0.5 credit	<p>Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. 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.</p>	
Medical Terminology 1A - Introduction (EDL) 0.5 credit	<p>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.</p>	<ul style="list-style-type: none"> -Learn the language of Medical Terminology in order to provide the best care possible for your patients -Explore the unique terms and abbreviations of the medical world and become an effective member of the healthcare team -Investigate the fascinating and complex parts that make up the human body -Become the professional who can help patients understand what they need to know

Medical Terminology 1B - Discovering Word Foundations (EDL) 0.5 credit	Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms!	<ul style="list-style-type: none"> -Breakdown medical terms and translate medical documents -Interactive case studies put your knowledge of medical terminology to the test! -Audio podcasts at the end of each unit is a full audio summary of the unit contents -Flashcards provide opportunities to practise and review key terms and ideas within each unit
Anatomy & Physiology 1A (EDL) 0.5 credit	Increase your students' understanding about the form and function of the human body! Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.	<ul style="list-style-type: none"> -Describe a location on the body succinctly and clearly. -Discuss careers related to anatomy and physiology. -Explain what happens when things go wrong in the body. -Tell the story of how complex systems work and interact with other organ systems to keep our bodies running smoothly.
Anatomy & Physiology 1B (EDL) 0.5 credit	Building on the prior prerequisite course, students will examine the form and function of even more body systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry.	<ul style="list-style-type: none"> -Explore the structure and function of body systems and how they work together. -Discover what can go wrong with the body systems. -Investigate the skills for assessing health and documenting the data while protecting the privacy of patients. -Explore today's health professions while appreciating how earlier contributions have made healthcare what it is today.
Anatomy and Physiology (FLVS) 1 credit	Explore the organization of the human body and how it works. Acquire knowledge necessary to understand what the body is doing and how you can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body. This version of Anatomy and Physiology is fully compatible with mobile devices. Students can access all course materials, interactives, and assessments from their tablet or smartphone.	
Health I (EDL) 0.5 credit	Imagine the healthiest people you know . . . what's their secret? While some health traits are genetically determined, the truth is we all have the ability to make positive changes in our physical lives. In Health 1: Life Management Skills, you will learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore different lifestyle choices that can influence your overall health—from positively interacting with others, to choosing quality health care, to making sensible dietary choices. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being.	
Nutrition & Wellness (EDL) 0.5 credit	Have you ever heard the phrase “your body is your temple” and wondered what it means? Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better!	

Natural Resources

Forestry & Natural Resources Intro (EDL) 0.5 credit

Whether you are a treehugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

AP Environmental Science (FLVS) 1 credit

N/A

Renewable Technologies (EDL) 0.5 credit

Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

Agriculture

Principles of Agriculture (EDL) 0.5 credit

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll 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.

Agriscience, Intro (EDL) 0.5 credit

How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.

Agriscience II (EDL) 0.5 credit

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why “broccolini” is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs!

Public Safety

Careers in Criminal Justice (EDL) 0.5 credit

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Criminology (EDL) 0.5 credit

Understanding the criminal mind is not easy. Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. In Criminology: Inside the Criminal Mind, you will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life—psychological, biological, sociological—all of which have differing perspectives and influences. You will investigate not only how these variables affect the criminal mind but also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

Law and Order (EDL) 0.5 credit

Imagine if there were no laws and people could do anything they wanted. It’s safe to say the world would be a pretty chaotic place! 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. Laws are essential to preserving our way of life and must be established and upheld in everyone’s best interest. In Law and Order: Introduction to Legal Studies, you’ll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

Forensic Science I (EDL) 0.5 credit	Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science I: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as you follow the entire forensic process—from pursuing the evidence trail to taking the findings to trial. By careful examination of the crime scene elements, even the most heinous crimes can be solved.	
Forensic Science II (EDL) 0.5 credit	Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science II: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. The best way to battle crime these days is not with a weapon, but with science.	
Forensics - The Science of Crime (EDL) 0.5 credit	Fingerprints. Blood spatter. DNA analysis. The world of 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. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.	<ul style="list-style-type: none"> -Investigate how forensic scientists analyze evidence for information about crimes. -Learn more about what information can be gained from human remains, physical evidence, and burned materials. -Examine how forensic scientists recognize and preserve physical evidence. -Explore how forensic scientists investigate crime scenes.

Early Childhood Education

Early Childhood Education Intro (EDL) 0.5 credit	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!	<ul style="list-style-type: none"> -Discussion about the appropriate security for the child-care home or centre -Learn about the typical stages of development from infancy through the school years -Understand the ways that inclusive classrooms function for pre-school and school-aged children -A snapshot of the daily life and responsibility of an early childhood entrepreneur
Early Childhood Ed - Developing Early Learners (EDL) 0.5 credit	Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special needs. Use this knowledge to develop your professional skills well suited to a career in childcare!	<ul style="list-style-type: none"> -Write a personal and professional plan for your goals and development -Create an age-appropriate lesson plan with activities -Fun activities in each unit to help you apply what you have learned -Develop a deeper understanding of human development

Culinary Arts

Culinary Arts 1A (EDL) 0.5 credit	Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with 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. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.	<ul style="list-style-type: none">-Select the best knives and knife cuts for your ingredients.-Decide which role on the kitchen brigade most interests you.-Identify the potential safety hazards of working in a fast-paced kitchen.-Learn what qualities to look for when selecting ingredients to use in your menus.
Culinary Arts 1B (EDL) 0.5 credit	Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!	<ul style="list-style-type: none">-Identify ways you can make your menu healthier and more sustainable.-Explain how baking processes and ingredients work together to form magical desserts.-Explore food service trends and identify which ones spark your interest.-Meet your career goals by writing a solid personal career plan.
Culinary Arts 2 (EDL) 0.5 credit	Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also 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. Discover the delights that await you on this delicious culinary adventure!	
Restaurant Management (EDL) 0.5 credit	Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you 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.	

Hospitality & Tourism

Hospitality & Tourism - Traveling the Globe (EDL) 0.5 credit	Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you 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 the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.
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Hospitality & Tourism 2A - Hotel & Restaurant
Mgt (EDL) 0.5 credit

If you love working with people, a future in hospitality may be for you. In Part 1 of Hospitality and Tourism 2: Hotel and Restaurant Management, you will 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. As well, you will discover trends and technological advances that makes each industry exciting and innovative. In Part 1, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d and food service.

Hospitality & Tourism 2B - Hotel & Restaurant
Mgt (EDL) 0.5 credit

Take the next steps towards an exciting and fast-paced career with Hospitality and Tourism 2b: Hotel and Restaurant Management. Build on the skills you learned in 2a and delve deeper into one of the fastest growing industries in North America. You'll learn how to open and run your own hotel or restaurant, while reviewing the laws, regulations, and financial structure that constitute restaurant operations. Hone your management, communication, and leadership skills and explore the HR policies and processes that will help guide you to source the right talent for your business. You will also learn the importance of how to market your hotel or restaurant through networking, technology, and social media.

Business & Management

Business Information Mgt 1A (EDL) 0.5 credit	Students will build their career skills and strengthen their knowledge of business information management by exploring types of businesses and the elements of business planning. Learning about the initial requirements to start a business, students will then examine business finances, marketing, sales, and the importance of customer service. Computer hardware, networks, and the internet are discussed as well as the basics of web design. Lastly students will explore ethics and business law, giving each learner an opportunity to discover their passion for business.	<ul style="list-style-type: none">-Learn what it takes to grow a business.-Determine the effect of accounting practices on the running of your business.-Investigate how to identify your target market.-Assess what it will take to create your business's first website.
Business Information Mgt 1B (EDL) 0.5 credit	Building on the prior prerequisite course, you will become more familiar with the application of information management in business. You will learn about professional conduct, team work, and managerial skills while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are explored while you become comfortable operating each of these programs. Finally, the future of business technology is discussed, providing you a foundation in business information management.	<ul style="list-style-type: none">-Learn to meet project goals through collaboration and team communication.-Visualize documents by applying your knowledge of document design.-Think of your spreadsheets as another form of communication.-Imagine what your advantage will look like in the global marketplace.
Principles of Business, Marketing & Finance 1A (EDL) 0.5 credit	Provide students with fundamental knowledge that will help them pursue a career in business! Students will explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Students will also be expected to learn about globalization, free trade, and various economic systems. Finally, the impact of technology on business, business ethics, and social responsibility are discussed, providing students with a foundational knowledge of business.	<ul style="list-style-type: none">-Explore how innovative companies generate continuing interest and buzz around their products and services.-Learn about the many links that connect raw materials to finished products in a supply chain.-Investigate how products that were once considered innovative can fall to advances in technology.-Critique the benefits and drawbacks of growing global trade and globalization.
Principles of Business, Marketing & Finance 1B (EDL) 0.5 credit	Building on the prior prerequisite course, you will expand your knowledge of the basics to explore advanced topics, such as marketing strategy, banking, and investments. Finally, examine employability skills and careers in business, finance, and marketing as well as various entrepreneurship opportunities.	<ul style="list-style-type: none">-Explore the world of marketing and how to attract customers when promoting products and services.-Investigate the principles of money and credit and understand the basics of financial management.-Uncover the important basics of business finance, including accounting, budgeting, and investing.-Learn what careers are available in business and discover important employability skills.

Cosmetology

Cosmetology -Cutting Edge Styles (EDL) 0.5 credit	We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting-Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. 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!
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Cosmetology 2 - Business Of (EDL) 0.5 credit	Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nails, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and 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.
Cosmetology 3a - Intro to Hair Skills (EDL) 0.5 credit	Cosmetology is a specialized field with a high skill set. Students taking this course will be exposed to the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. Finally, to effectively prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.
Cosmetology 3b - Waxing, Coloring & Adv. Skills (EDL) 0.5 credit	Building on the prior prerequisite course, students will delve into the realm of hair styling and cutting techniques. Students will explore varieties wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. Students can expect to be well versed with a plethora of hair skills upon completion.
Cross-Referenced	
AP Biology (FLVS) 1 credit	The course design supports the AP Biology Curriculum Framework. The content focuses on living systems and their connections to everyday life. The curriculum framework provides students with the opportunities to investigate the practical application of biology as well as the connections to other natural, human, and social sciences. Through inquiry-based activities and laboratory investigations, students explore the components of life, from molecules to ecosystems.
Biology (FLVS) 1 credit	The Biology course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaboratively learning. Engaging in the study of biological science broadens the picture of the world around us.
Biotechnology Intro (EDL) 0.5 credit	Did you know that the field of biotechnology encompasses everything from plant and animal breeding to genetics? Discover how biotechnology has changed the world around us from food to genetics. Build on historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine. Increase your understanding of this cutting-edge field!

Biotechnology I - Unlocking Nature's Secrets
(EDL) 0.5 credit

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

Human & Social Services (EDL) 0.5 credit

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. In Human & Social Services, you will 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.

Oscar A. Aliaga, PhD

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