Inspiring Possibilities For
STUDENTS

Career Express Online
SPRING 2018 PROGRAM CATALOG

Superintendent's Message

Inspiring Possibilities

As Career Express Online embraces the complexity associated with creating an aligned, twenty-first century system to prepare students for the competitive global economy, our focus is on knowledge, skill, and innovation. Although technology investments alone cannot address the changing needs of our complex world, significant gains can be realized when technology investments are aligned with new strategies, processes, and practices.

Career Express Online is our response to the changing needs of educational delivery. Our launch of Career Express Online is intended to encourage the use of technology to complement educational pathway activities. The new economy requires a higher skill set, specifically proficient in thinking and complex communication skills, as well as the use of the most advanced methods of innovation. Our hope is that Career Express Online will enhance existing pathways and provide expanded access to high-growth and emerging industries. The goal is to empower students to imagine their futures and possibilities. Welcome!

Sincerely,

Stephanie Houston

Stephanie Houston Ed.D., Superintendent

Advantages of Online Learning — Convenience and Flexibility

- Schedule flexibility: You can access your program at any time, from anywhere. The only things you'll need are a computer and Internet access.

- Ease of accessibility: Your program is available for you when you need it. You can review lectures, discussions, explanations, and comments. Furthermore, you will be a part of a growing online community, and will work with fellow students to share notes and learn together.

- Study time: Your lessons can be started when you are ready, paused if you need a break, and your notes are available whenever you need them.

Is Career Express Online right for you?

Are you:

- Self motivated?
  You will direct your own learning and methods to fulfill your program requirements and achieve academic success.

- An independent learner?
  You will pace yourself through each unit of your program, relieving the stress of feeling rushed or pressured, to provide yourself enjoyment in the learning process.

- Computer literate?
  You do not need to have advanced computer skills, but you will need to have a working knowledge of electronic email, the Internet, and basic keyboarding skills. You will also need internet access and a valid email address.

Do you have:

- Good time management skills?
  You will need to organize and plan your own best "time to learn". There is no one best time for everyone, but the key to your success is finding your best time.

- Effective written communication skills?
  You will be using electronic email and discussion forums to communicate with your peers and instructors. The ability to write clearly to communicate ideas and complete assignments is essential. This method will provide you with rapid feedback, as well as a means to inform your instructor of any concerns or problems you may be experiencing.

- A personal commitment to your success?
  You must have a strong desire to learn and achieve knowledge and skills via your online program. Making a commitment to learn in this matter is a very personal decision and requires a strong commitment to perform in order to achieve academic success.

What will my online program look like?

Your program materials are available online through a dedicated student portal. Additionally, all activities and interaction with your classmates and teacher are done using email, discussion boards, and live virtual meetings.

What computer skills do I need to take an online program?

You will need to know the following:

- How to use a word processing program, such as Microsoft Word
- How to send email
- How to use a discussion board
- How to use online video conferencing tools
- How to do basic downloads from the Internet
- How to attach files

You may also need to know, or learn:

- How to update your browser
- How to download and install special plug-ins, freeware, and demo software

Is an online program easier than traditional instruction?

No, you can expect to put in as much work towards an online program as you would in any traditional classroom.

Would I have to be online at a certain time for my program?

You will have access to your program at any time, from anywhere you can access the Internet.

What kind of technology do I need for an online program?

You will need an email account, an Internet connection, speakers, a microphone, a webcam, and access to a computer. Any additional computer software used will be freeware, demos, or trials. All of these are available at no additional cost to you.

Will there be training on how to navigate and use my student portal?

Yes, your program begins with an orientation module that walks you through the system and program tools. Your instructor is also available to help answer any questions you may have.

How do I enroll?

You can schedule an appointment with your school counselor who will explain the enrollment process and help you get started.

How much does the program cost?

All programs are available at no cost to you. However, depending on the program, you may be required to download free materials and software to your computer.

Can I leave a program once it has started?

Yes, you can schedule an appointment with your school counselor who will explain the drop procedures.

Program List

Fuel Education Programs

3D Animation *•

Computer Literacy ‡

Criminology: Inside the Criminal Mind •‡

International Business: Global Commerce •‡

Introduction to 3D Modeling •

Introduction to Careers in the Health Sciences ‡•

Introduction to VB.NET Programming

CTE Online Programs

Introduction to Manufacturing Careers

* - Prerequisite Required
• - UC A-G Approved
‡ - Available On Campus
(RUSD & YCJUSD Only)

Program Catalog

Spring 2018 Career Express Online

3D Animation *
1 Semester

In this advanced program, you will build on the skills that you developed in 3D Modeling to learn 3D animation techniques. Using Blender, a powerful open-source modeling tool, you will master the basics of animation—rigging, bones, and movement—while learning how to apply traditional animation techniques to your 3D models.
The following software is required for this program: Blender (freeware).
*Prerequisite: Introduction to 3D Modeling

Computer Literacy ‡
1 Semester

In this program, you will become familiar with the basic principles and fundamentals of a personal computer, including the internal hardware, operating system, and software applications. You will practice using key applications such as word processing, spreadsheet, and presentation software, and examine social and ethical issues surrounding the Internet, information, and security. You will also focus on learning and using applications, gathering and analyzing data, and using the right tools and methods to collect and present data.
The following software is required for this program: Microsoft Office 2010 or Open Office 3.4 (freeware).

Criminology: Inside the Criminal Mind • ‡
1 Semester

This program introduces you to the field of criminology, the study of crime. In the modern world, many citizens share a concern about criminal behaviors and intent. You will look at possible explanations for crime from psychological, biological, and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles criminals and their misdeeds. Program material will also explore some key questions, such as: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors, from arrest to punishment, help shape the criminal case process?

International Business: Global Commerce • ‡
1 Semester

This program will help you develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view of business, investigating why and how companies go international, and how they are more Interconnected. You will gain an introductory understanding of how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are also explored. By the end of the program, you will develop a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in 21st century business activities.

Program Catalog

Introduction to 3D Modeling
1 Semester

This program introduces you to 3D modeling tools and concepts. Using Blender, the popular open-source 3D modeling package, you will learn the basics of creating shapes, adding textures and lighting, and rendering. By the end of the program, you will produce a series of increasingly sophisticated projects for your 3D portfolio. You do not need to have prior experience in 3D game design or digital media authoring tools to take this program.
The following software is required for this program: Blender (freeware).

Introduction to Careers in the Health Sciences [‡]
1 Semester

In this program, you will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. You will explore the importance of diagnostics and research in the identification and treatment of diseases. This program presents information and terminology for the health sciences and examines the contributions of different health science areas.

Introduction to Manufacturing Careers
1 Semester

The Introduction to Manufacturing Career course introduces and exposes students to the career opportunities pertaining to the processing and production of goods. Course topics vary and may include (but are not limited to) systems pertinent to the manufacturing process, properties of various raw materials, and the methods used to transform materials into consumer products. Course activities depend upon the careers being explored; course topics may include entrepreneurship, labor laws, and customer service. This course provides students the opportunity to learn about and work in new and innovative areas related to the Manufacturing and Product Development sector for which there is a documented and proven labor market demand.

Introduction to VB.NET Programming
1 Semester

In this program you will learn basic programming and the essential concepts of VisualBasic.NET (VB.NET). As an introduction to VB.NET, you will be taught the basic uses of the programming language, its similarities to the English language and others, its architecture, program flow, and its flexibility as a programming language. You will also learn the processes involved in software development and object-oriented programming. By the end of the program, you will be provided with an introduction to programming, and be prepared to take other programming programs.
The following software is required for this program: Visual Studio 2008 Express Edition (free download).