



## Career Path High

### Career Path High Course Catalog 2020-2021

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## **Language Arts (4.0 credits required)**

### **English 9 (required)**

#### **1.0 credit – 2-Semester Course**

English 9 students will engage in in-depth analysis of complex literature, view that literature from its historical perspective, and connect it to other arts. They will write literary analysis, logical arguments, informational/explanatory texts, narratives, and focused research projects. These writing tasks will be both formal and informal. Additionally, they will engage in speaking and listening activities that use and incorporate media and technology. As a result of the reading, writing, speaking, and listening students will do in this course, they will grow their vocabulary and their understanding of how to communicate effectively by making skillful choices when expressing themselves with language. *Course includes a Project Based Learning Activity.*

### **English 10 (required) / Honors English 10**

#### **1.0 credit – 2-Semester Course**

English 10 students will study literature that spans centuries, continents, and genres. Each of the four thematically-integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. *Course includes a Project Based Learning Activity.*

### **English 11 (required)**

#### **1.0 Credit – 2-Semester Course**

English 11 is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. *Course includes a Project Based Learning Activity.*



## **English 12 A & B (Required)**

### **1.0 Credit – 2 Semester Course**

#### **(Creative Writing can take the place of English 12 A)**

By twelfth grade, students have repeatedly peered through the window to humanity that literature has opened for them. Through it, they have gained valuable perspective on their world, past and present. Their close-textual interaction with literature over the past three years should have heightened their appreciation for those texts, improved their critical and analytical skills in reading and writing, enhanced their speaking and listening abilities, and enriched their academic and personal vocabulary. The window will now open on selected works of European literature from the twelfth century through the twenty-first century. Students will approach this literature chronologically, so they can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis will be placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

*Course includes a Project Based Learning Activity and students will complete and present a Senior Project at the end of this course.*

## **English Language Arts and Composition**

### **1.0 Credit - 2 Semester Course (Can be taken in place of English 12)**

English Language and Composition is a year-long, college-level course that will require independence, initiative, and commitment—not to mention a full schedule of reading and writing assignments. The reward for your efforts will be the empowerment that comes from finely honed communication skills, greatly enhanced chances of college success. *Students will complete and present a Senior Project at the end of this course.*

## **Creative Writing**

### **.5 Credit / 1 Semester (Can be taken in place of English 12A)**

**Prerequisite:** Grade of B or higher in English

This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.



## Math

**(3.0 credits required – 2.0 must be Foundation courses)**

- ❖ Successful completion of Secondary Mathematics I, II, and III or higher.
- ❖ Parents may request that students replace Secondary III with a course from the Applied or Advanced approved course list.
- ❖ Students who successfully complete Calculus have met graduation requirements regardless of the number of credits they have taken.

### Foundation Math Courses

#### **Secondary Math I (required)**

##### **1.0 Credit – 2-Semester Course**

Secondary Mathematics I is a full-year mathematics course intended for high school students who have successfully completed general mathematics for grade 8 or pre-algebra. This course focuses on complex operations of integers and variables while incorporating algebraic techniques and methods in order to develop student understanding of mathematical expressions, and concepts involving linear and exponential functions. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world. *Course includes a Project Based Learning Activity.*

#### **Secondary Math II (required)**

##### **1.0 Credit – 2-Semester Course**

Secondary Mathematics II is a full year high school mathematics course intended for the student who has successfully completed Secondary Mathematics II. This course is designed to prepare students for college-level and real-world mathematical reasoning. The concepts covered in this course integrate the topics of Advanced Algebra, Geometry, Trigonometry, and Statistics. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world. *Course includes a DTC Program and a Project Based Learning Activity.*

#### **Secondary Math III (required)**

##### **1.0 Credit – 2-Semester Course**

Secondary Mathematics III is a full year high school mathematics course intended for the student who has successfully completed Secondary



Mathematics II. This course is designed to prepare students for college-level and real-world mathematical reasoning. The concepts covered in this course integrate the topics of Statistics, Advanced Algebra, and Trigonometry. Throughout the course, students will perform operations with rational, radical, and polynomial expressions, explore higher order strategies necessary for analyzing multi-level logarithmic, exponential, linear, quadratic and polynomial functions and equations. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world. *Course includes a DTC Program and a Project Based Learning Activity.*

## **Pre-calculus**

### **1.0 Credit – 2-Semester Course (Counselor/Instructor Approval)**

**Prerequisite:** Grade of B or higher in Secondary Math III

Pre-calculus is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.

## **Calculus**

### **1.0 Credit – 2-Semester Course (Counselor/Instructor Approval)**

**Prerequisite:** Pre-Calculus with grade of B or higher

Calculus is a full-year, high school credit course that is intended for the student who has successfully mastered a minimum of four high school level mathematics courses that cover analytical and conceptual algebra (with heavy emphasis on functions), coordinate and plane geometry, and trigonometric functions. It is highly recommended that the student successfully complete pre-calculus as a prerequisite. The course primarily focuses on the skills and methods of analyzing graphical behavior of functions, the definition of a derivative as well as applications of derivatives, integration and their relationships with the graphical function.



## Applied Math Courses

### **Math & Personal Finance (Consumer Math)**

**1.0 Credit Math - 2 Semester Course**

**(Grade 12 option or Counselor and Parent Approval to replace Secondary Math III)**

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.



## Science

(3.0 credits required – 2.0 must be Foundation courses)

### Foundation Science Courses

#### **Earth Science – Grade 9**

##### **1.0 Credit – 2-Semester Course**

Earth Science is a basic science course intended to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of the earth. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity. *Course includes a DTC Program and a Project Based Learning Activity.*

#### **Biology – Grade 10**

##### **1.0 Credit – 2-Semester Course**

Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment. *Course includes a Project Based Learning Activity.*

#### **Chemistry**

##### **1.0 Credit – 2-Semester Course**

**Prerequisite:** Grade of B or higher in Secondary Math II

Chemistry is intended to provide a more in-depth study of matter and its interactions. In preceding years students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances and teach the symbolic and mathematical world of formulas, equations, and symbols.



## **Physics**

### **1.0 Credit – 2-Semester Course**

#### **(Counselor/Instructor Approval)**

**Prerequisite:** Secondary Math III with Grade of B or higher

Physics is intended to provide a more in-depth study of the physical universe. In preceding years students should have developed a basic understanding for the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, waves, sound and light, electricity and magnetism, and nuclear physics.

## **Applied Science**

### **Environmental Science**

#### **1.0 Credit – 2-Semester Course**

Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us.





## **Social Studies** **(3.0 credits required)**

### **Geography for Life – Grade 9**

#### **1.0 credit – 2-Semester Course**

World Geography takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global information systems. *Course includes a Project Based Learning Activity.*

### **World History – Grade 10**

#### **1.0 credit – 2-Semester Course**

World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. *Course includes a Project Based Learning Activity.*

### **US History – Grade 11**

#### **1.0 credit – 2-Semester Course**

U.S. History Foundations to Present covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government, and Citizenship. *Course includes a Project Based Learning Activity.*

### **US Government & Citizenship – Grade 12**

#### **.5 credit – 1-Semester Course**

Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship. *Course includes a Project Based Learning Activity.*



## Directed Coursework

### **Financial Literacy** **(.5 credit required)**

#### **Financial Literacy**

##### **.5 credit – 1-Semester Course**

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.

#### **Math & Personal Finance (Consumer Math)**

##### **1.0 Credit Math - 2 Semester Course**

**(Grade 12 option or Counselor and Parent Approval to replace Secondary Math III)**

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.



## **Digital Studies** **(.5 credit required)**

- ❖ Credit is earned through student's Davis Tech's Career & Technical Certification Program. A student must be in 11<sup>th</sup> or 12<sup>th</sup> grade to be eligible for program participation. Students may also begin their program during the summer prior to their 11<sup>th</sup> grade year.
- ❖ 30 hours in a Davis Tech Program transfer to .25 high school credits at Career Path High for CTE and Elective credits.

### **Business Operating Systems - BTEC 1030, 1031, 1032**

#### **30 Hours Each Class**

#### **Test Out Option for each class**

Operating Systems and Email Applications explores essential skills needed to successfully use a computer in school and at work. Throughout this course, you will study how to maneuver within the Windows environment through hands-on activities; including, launching programs, working with windows and the taskbar to enable multitasking, customizing the desktop, and managing files. You will also use both a USB drive and the cloud for file storage. Finally, you will examine how to use the Internet to efficiently search for information on the Web and send and receive email.

In this course students will be introduced to essential skills needed to successfully use a computer in school and at work. Students will be introduced to the essential spreadsheet features needed to create worksheets by entering and editing data. They will also learn to format worksheets and will explore the use of formulas, functions, and charts.

### **Responsive Web Design - DMDC 2005**

#### **90 Hours**

Students will use the latest HTML5/CSS3 techniques to create custom Mobile-First Responsive Websites that will automatically scale and adjust its content and layout to fit any screen size (from a smart phone to a billboard).

### **Intro to IT - ITEC 1003**

#### **90 Hours**

Introduction to Information Technology provides a professional overview of using computers. You will be introduced to computers including their history, hardware, operating systems, program languages, software, databases, networking, data storage, and system security. During this course, you will perform essential IT tasks commonly performed by advanced end-users and entry-level IT professionals. As part of this course, you will complete the current CompTIA IT Fundamentals® exam.



## **Fine Arts** **(1.5 credits required)**

### **Art Foundations I**

**.5 credit – 1-Semester Course**

**\$15 Materials Fee**

**Note:** This is a true blended course with some mandatory in-person attendance required. (1 hour weekly)

This course provides an introduction to fundamental techniques and concepts of representational and expressive art within a variety of media.

- This class has an on campus class requirement

### **Art Foundations II**

**.5 credit – 1-Semester Course**

**\$15 Materials Fee**

**Prerequisite:** Art Foundations I

**Note:** This is a true blended course with some mandatory in-person attendance required. (1 hour weekly)

This course provides instruction and practice to enhance fundamental techniques and concepts of representational and expressive art within a variety of media beyond what was addressed in Art Foundations I.

- This class has an on campus class requirement

### **Digital Arts / Commercial Art**

**.5 Credit - 1 Semester Course**

**Prerequisite - Art Foundations I**

Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.



## **Painting I**

**.5 Credit - 1 Semester Course**

**Prerequisite - Art Foundations**

**\$15 Materials Fee**

Students will explore technical and creative applications through the acrylic painting medium. This beginning course covers material care and art production. Students will learn how to look at paintings with a critical mind to explore theme and communication.

- This class has an on campus class requirement

## **Painting II**

**.5 Credit - 1 Semester Course**

**Prerequisite - Painting I**

**\$15 Materials Fee**

Building upon the foundation set by Painting I, students will work to develop their own portfolio through the painting medium. Students will be encouraged to explore various types of paint, such as watercolor and oil, to make their mark as an emerging artist.

- This class has an on campus class requirement

## **Music Appreciation**

**.5 Credit - 1 Semester Course**

The goal of this semester-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments.

## **Music Theory**

**.5 Credit - 1 Semester Course**

**Prerequisite - Music Appreciation**

Music Theory is a semester-length fine arts elective for high school students. The course recommends prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts: rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, transposition



## **CTE\*** **(1.0 credit required)**

- ❖ Credit is earned through student's Davis Tech's Career & Technical Certification Program. A student must be in 11<sup>th</sup> or 12<sup>th</sup> grade to be eligible for program participation. Students may also begin their program during the summer prior to their 11<sup>th</sup> grade year.
- ❖ 30 hours in a Davis Tech Program transfer to .25 high school credits at Career Path High for CTE and Elective credits.

## **CAREER MANAGEMENT**

### **.5 Credit / 1 Semester - 10th Grade**

Career management is a semester-length high school elective course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including; communication, leadership, teamwork, decision making, problem solving, goal setting, and time management.



## **Health & Physical Education** **(.5 Health credit and 1.5 PE credits required)**

### **Health**

#### **.5 credit – 1-Semester Course**

This course provides opportunity for students to develop knowledge, skills, and attitudes necessary for practicing lifelong, health-enhancing behaviors. The curriculum focuses on what students can do for themselves to meet the objectives of the state standards and illustrates the impact their attitudes and behaviors have on the world around them. Students will learn they are responsible for their personal well-being and that building a solid foundation of health literacy and decision-making skills can contribute to positive health choices throughout life. In addition, students will explore the impact their personal health has on society as a whole.

### **Participation Skills & Techniques**

#### **.5 credit – 1-Semester Course**

This course includes instruction in lifetime activities. Individual, dual, and team sports activities, with the emphasis on activities offering lifelong participation opportunities. Participation Skills and Techniques is designed to develop competency in different activities. Competency involves the ability to apply the basic skills, strategies, and rules using standardized guidelines or rubric.

### **Fitness for Life (Required)**

#### **.5 credit – 1-Semester Course**

This course is designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs.

### **Individualized Lifetime Activities**

#### **.5 credit – 1-Semester Course**

The purpose of this course is to help students discover activities that they enjoy and activities that they can continue on with throughout their life.

### **Team Sports/Athletic Participation**

#### **.5 credit**

This is an optional replacement for Individualized Lifetime Activities. Must be taken in conjunction with participation in a public school sanctioned sports team.



## **Electives\*** **(5.5 credits required)**

- ❖ All 5.5 required high school elective credits are earned through student's Davis Tech's Career & Technical Certification Program. A student must be in 11<sup>th</sup> or 12<sup>th</sup> grade to be eligible for program participation. Students may also begin their program during the summer prior to their 11<sup>th</sup> grade year.
- ❖ <https://www.davistech.edu/programs> to see Davis Tech Program selection
- ❖ 30 hours = .25 credit – 30 Progress hours in a Davis Tech Program transfer to .25 high school credits.
- ❖ Below are electives that can be done in addition to the Davis Tech Requirement and may only be taken in 11<sup>th</sup> & 12<sup>th</sup> grade if the student is making satisfactory progress in their Davis Tech Program.

### **English Fundamentals (I, II, III & IV)**

#### **1.0 Credits - 2 Semester Course**

English Fundamentals continues to build on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening.

**\*\*Assigned to students who show low proficiency on ELA Assessments.**

### **Math Fundamentals (I, II & III)**

#### **1.0 Credit - 2 Semester Course**

Math Fundamentals is a full year, high school credit course that is intended for the student who has shown a need for additional math support in developing their math skills. Math Fundamentals will help the student fill gaps and strengthen their background knowledge needed to successfully complete their Integrated Math requirement.

**\*\*Assigned to students who show low proficiency in Math Assessments.**

### **Yearbook**

#### **.5 credit – 1-Semester Course**

**Prerequisite:** Instructor approval

This course teaches the necessary skills to produce the school yearbook, which records the entire school year at Career Path High. Students learn magazine journalism that focuses on photography, interviewing, and page layout. Students also learn and establish ethical journalistic behavior.





## **ACT Test Prep**

### **.25 Credit - 1 Quarter Class**

This course will help you prepare for the required ACT test in 11th Grade. Students will work through test taking strategies and practice tests to have the best possible outcome on that big test day.

***The below electives may only be taken by students who are on track to complete a Davis Tech Certification.***

## **Psychology -**

### **.5 Credits / 1 Semester**

Psychology is an introductory elective course for high school students. Throughout the course students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

## **Creative Writing**

### **.5 Credit / 1 Semester (Can be taken in place of English 12A)**

**Prerequisite:** Grade of B or higher in English

This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.



## **World Languages**

**(2.0 credits generally required by Institutions of Higher Education)**

- ❖ Spanish offered through Career Path High, other World Languages Offered through the Statewide Online Education Program.
- ❖ Students enroll through the Career Path High counselor.

**World Language Classes** are available through the **State Online Education Program**. Talk to the School Counselor to discuss options.

## **\*Davis Tech Career & Technical Programs**

**As a Career Path High student, 11th and 12th graders are required to be enrolled in a Career and Technical Program through Davis Technical College.**

- ❖ Credits earned satisfy 1.0 required CTE credit and 5.5 required Elective credits.
- ❖ <https://www.davistech.edu/programs> to see course selection.
- ❖ 30 hours = .25 credit – 30 Progress hours in a Davis Tech Program transfer to .25 high school credits. Credit will be assigned only when individual classes are completed.
- ❖ Additional credits may be earned/satisfied through Davis Tech courses/hours as accepted and approved by Career Path High Administration.

## **Released Time – LDS Seminary**

- ❖ Seminary can be taken at your LDS seminary on the campus of your high school of residence. You can contact the seminary directly for information and enrollment. If possible, please arrange seminary during the early morning class so it doesn't interfere with CPH attendance and required activities.