DELTA HIGH SCHOOL
COURSE CATALOG
2024-2025

A partnership of the Kennewick, Richland & Pasco School Districts

5801 Broadmoor Blvd.
Pasco, WA 99301

DELTA HIGH SCHOOL COURSE CATALOG

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GRADUATION REQUIREMENTS

Credit and Assessment Graduation Requirements [1]		
Delta High School students graduate from their home high schools and final transcripts show that coursework was completed through Delta's STEM program. Students must meet all graduation requirements from their home school district which can be found through district websites at www.ksd.org (Kennewick), www.psd1.org (Pasco), and www.rsd.edu (Richland).		
Subject	**Required Credits**	
	Class of 2024 & Beyond [2]	
English Language Arts	**4.0 credits**	
Social Studies	**3.0 credits**	•1.0 credit Contemporary World Problems (2 Courses) •1.0 credit US History (2 Courses) •0.5 credit of Civics (U.S. Government) (1 Course) •0.5 credit Social Studies Electives (1 Course) •Washington State History as a non-credit requirement (may be taken in middle school) [3]
Mathematics	**3.0 credits**	•Integrated Math I •Integrated Math II •A 3rd credit of math; based on math sequence and Delta program of study [4]
Science	**3.0 credits**	•2.0 Credits must be lab science
Career and Technical Education (CTE)	**1.0 credit**	
Arts	**2.0 credits**	•1.0 credit may be substituted for PPR courses [6]
Health & Fitness	**2.0 credits**	•1.5 credit Fitness [5] •0.5 credit Health
World Languages	**2.0 credits**	•1.0 – 2.0 credits may be substituted for PPR courses [6]
Electives	**4.0 credits**	
Total Required Credits	**24.0 credits**	
Non-Credit Requirements	High School & Beyond Plan and Washington State History *(subject to the provisions of RCW 28A.230.170, RCW 28A.230.090, and WAC 392-410-120)*	
	Kennewick School District	Computer Competency (this requirement is met through MOS and IT classes at Delta)
	Richland & Pasco School Districts	Financial Literacy (this requirement is met through Advisory and Career Choices at Delta)

Pathway Requirements	All students take the Smarter Balanced (SBA) ELA Exam, Smarter Balanced (SBA) Math Exam, and Washington Comprehensive Assessment of Science (WCAS). To meet graduation requirements, students must demonstrate English and Math proficiency through one of the following pathways:	
	English Proficiency	•Meet standard on the SBA ELA exam (7) •Meet standard on alternative exam (SAT, ACT, ASVAB) •Complete a college level course in ELA
	Math Proficiency	•Meet standard on the SBA Math exam (7) •Meet standard on alternative exam (SAT, ACT, ASVAB) •Complete a college level course in Math
	•Meet standard on the ASVAB exam (meets both English & Math) •Complete 2.0 credit (4-course) approved CTE pathway (meets both English & Math)	

Notes:

1) Graduation requirements apply to a student based on the year the student begins 9th grade. The graduation requirements for the student's expected graduation year must be met, regardless of when the student actually graduates (WAC 180-51-035).
2) The Washington State History requirement may be met in middle school (grade 7-8) through successful completion of a designated course. The Pasco middle school course does not earn high school credit; students must complete 3.0 credits of social studies in high school. For students who did not successfully complete the middle school course, a high school alternative option is offered to meet this requirement.
3) Students are required to take 3.0 credits of Math, which include: Algebra 1-2 or Integrated Math II, Geometry 1-2 or Integrated Math II; an additional level of math, such as Algebra 3-4, Integrated Math III, Pre-Calculus, Statistics, Financial Algebra, etc. The third credit of math should align with the student's High School and Beyond Plan, prepare students to meet state assessment system standards, and be chosen with the agreement of the parent/guardian or school counselor/principal if the parent/guardian does not indicate a preference (WAC 180-51-067).
4) The 1.5 credit Fitness requirement will be waived by the student's home school district for all students enrolled full-time at Delta High School for grades 9-12.
5) Personalized Pathway Requirements (PPR) are up to 3.0 credits chosen by the student to meet specific post-secondary career or education goals that align with the student's interests and High School and Beyond Plan. PPR credits may replace 1.0 credit in the Arts and 2.0 credits of World Language.
6) For graduation purposes, the State Board of Education has set exit exam passing scores on Smarter Balanced tests that may be different from the consortium determined achievement levels.

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GRADING POLICY

Delta High School uses a standards-referenced grading system. Each graded assignment is based on state standards, national standards, and/or college readiness standards. A single piece of student work can target a large number of standards, or it may take numerous pieces of work to target and meet a single standard.

Students earn grades on a 4-point scale. The following are the meanings of individual assignment grades listed in PowerSchool, our electronic grading system:

4: Advanced
Students achieving at the advanced level demonstrate greater academic performance. Advanced work indicates an in-depth understanding or exemplary display of the skills that are included in the identified standards.

These students:

- Demonstrate broad, in-depth understanding of complex concepts and skills
- Make abstract, insightful, complex connections among ideas beyond the obvious
- Provide extensive evidence for inferences and justification of solutions
- Demonstrate the ability to apply knowledge and skills effectively and independently by applying efficient, sophisticated strategies to solve complex problems
- Communicate effectively and thoroughly, with sophistication

3: Proficient
Students achieving at the proficient level demonstrate satisfactory academic performance. Proficient work indicates solid understanding or display of the skills included in the identified standards. This is acceptable grade-level performance.

These students

- Can extend their understandings by making meaningful, multiple connections among important ideas or concepts and provide supporting evidence for inferences and justification of solutions
- Apply concepts and skills to solve problems using appropriate strategies
- Communicate effectively

2: Emerging
Students achieving at the emerging level demonstrate up-and-coming academic performance. Emerging students indicate a partial understanding or display of the skills included in the identified standards. Students achieving at this level are approaching acceptable performance but need additional instructional opportunities to achieve proficiency.

These students:

- Demonstrate partial understanding of basic concepts and skills
- Make basic connections among ideas, providing limited supporting evidence for inferences and solutions
- Apply concepts and skills to routine problem-solving situations
- Communicate in a limited fashion

0: Not Yet Approaching Proficiency
A zero is earned for assignments that do not yet approach the required proficiency level ("2"). Students who are achieving at this beginning level demonstrate a clear need for additional instructional opportunities to show learning. Students achieving at the beginning level indicate little understanding or display of the skills included in the identified standards.

These students:

- Demonstrate little understanding of the concepts and skills associated with the Washington State standards
- Occasionally make obvious connections among ideas, providing minimal evidence or support for inferences and solutions
- Have difficulty applying basic knowledge and skills
- Communicate in an ineffective manner
- Will likely have difficulty with subsequent material or courses that build upon the current course. Remediation and intervention are necessary.

0 plus "M" (Missing)
This grade is entered for assignments which are not attempted or completed. If you see a zero with a "M" in the online gradebook, it means the student did not turn in the assignment.

Final Course Grades

A student's final grade will be calculated as an average of all final standards grades. Each standard included in a final grade is assessed a minimum of three times within the trimester. A final score is calculated for each standard; please see the specific course syllabus for the method used to determine your final standards grade in that class. Not all standards are assessed all trimesters. In addition, teachers frequently weight summative assessments, such as large projects and end of unit exams, accounting for a larger percentage of the student's final grade on specific standards. All final standard scores are averaged to compute a final course grade. It is important to recognize that averaging standards' scores does not provide a detailed picture of a student's progress. For example, a student may have earned 4s on six standards, indicating advanced learning, and 2s on two standards, indicating emerging learning. This student's average would be 3.5, which would result in a final grade of "B+." However, this does not paint a clear picture that the student is excelling in some areas but struggling in others. In this case, while the final grade is excellent, additional targeted tutoring may be appropriate.

Final grades follow the 4-point GPA scale, which is the same scale used by colleges and universities to calculate Grade Point Averages. This GPA score can be converted to a Traditional Letter Grade, as shown below. Only letter grades are recorded on a students' final transcripts, in accordance with Washington State law.

GRADING POLICY (continued)

Final Grade	Traditional Letter Grade	Mastery Level Achieved
4.0	A	Advanced
3.7	A-	
3.3	B+	Proficient
3.0	B	
2.7	B-	
2.3	C+	Emerging
2.0	C	
0.0	F	Beginning or No Evidence of Learning

A final course grade of 0.0 (or "F") earns no credit for the course. Lost credits may be retrieved through summer school or other available programs. Dependent on space availability, the student may reenroll in the course in a subsequent year at Delta.

Late Work

Late work at school, in college, and in the workforce is largely unacceptable. Students need to manage their time in a way that enables them to finish their best work on time. Assignments should be turned in on time in order to receive maximum credit. Late work MAY be accepted for full or partial credit at the discretion of the individual teacher, and is generally only accepted when there has been evidence of effort prior to the deadline on the part of the student.

"Effort" at Delta High School means:

- Coming to class prepared to work
- Completion of all assignments
- Quality use of class time
- Asking for help from peers
- Asking for help from the teacher during class
- Asking for help from the teacher, outside of class
- Showing evidence of attempting and/or completing homework
- Persisting through multiple attempts at a task/assessment
- Showing a positive attitude toward work completion

Late work will not be accepted after the end of the grading period except in cases of extenuating circumstances, and only when approved in advance by the principal. In these rare cases, an "Incomplete" may be given as a final course grade. Incompletes are only valid for two weeks. If course requirements are not met within the two-week period, the Incomplete will become a 0.0 and no credit will be earned for the course. In such cases, the student may need to retrieve the credit through summer school or other available programs.

PowerSchool

Delta maintains grades and attendance through PowerSchool. Delta is on the same PowerSchool system as the Pasco School District. You may access the Delta PowerSchool at: https://pschool.psd1.org/public
We recommend using PowerSchool via an internet browser and not using the app, as more information is available. For personal login information for logging in for the first time please contact the Delta High School office at (509)416-7860.
Note: You may also have your student log into PowerSchool and view grades and attendance through their account.

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COLLEGE CREDIT OPTIONS

To meet students post-high school goals, Delta High School works with a variety of partners to provide college credit-earning opportunities for students while still enrolled in high school. Course offerings are dependent on staff availability.

College in the High School / CWU & EWU

Delta High School currently partners with state universities to provide college-level courses and dual credit through the College in the High School program. Students enroll in the college-level course at their high school campus and earn both high school and college credit. Some courses have prerequisites which must be met before enrolling. Courses offered through this program earn credits for students which typically apply to AA/BA/BS degrees at a community college or university. There are no university fees or books which must be purchased. Offerings may vary each year, dependent on available, qualified personnel. Offerings may include courses in:

English Language Arts, Social Studies, Mathematics, Science, Spanish and IT.

Advanced Placement (AP)

AP courses are offered in English Language Arts and are indicated with the designation AP in the course title. These courses prepare students to take the AP exam in the designated subject area in the spring. Students may earn college credit with qualifying scores on each exam. It is important that students investigate colleges they are interested in attending, as all colleges and universities have policies around assigned college credit based on AP scores.

Columbia Basin College—Running Start

Delta has a model a little different than other high schools for Running Start. Qualified students take four classes at Delta and one through CBC each term during junior & senior years. Successful students may have the opportunity to earn an Associate's Degree from CBC upon graduation from Delta. This program is offered only upon approval by our partner school districts and for qualified students (must meet qualifying criteria for CiHS and CBC Courses). This program is also dependent on available qualified personnel at Delta to supervise.

Columbia Basin College—Dual Credit

Columbia Basin College provides college-level career and technical education (CTE) courses through the Dual Credit program for select CTE courses. Dual credit is a statewide program which allows high school students to concurrently earn high school and college credit. These credits typically apply to a technical degree, which a student completes post-high school. Students must earn an 85% or better for all courses within a designated Dual Credit area in order to receive the college credit.

COLLEGE CREDIT OPTIONS

College Credit Comparison Chart		
College in the High School	**Advanced Placement**	**Running Start**
High school class content equivalent to college level class in rigor and content	High school class with approved AP syllabus / content	Student attends college class on college campus, with college students
Adjunct college professor (which is your high school teacher)	Taught by high school teacher with AP training	Taught by college professor
Class transcripted as College in the High School course; additional college transcript generated	Class transcripted as high school course	Class transcripted as college course
Student attends class on the high school campus	Student attends class on the high school campus	Student attends class at college with general public; student must provide own transportation
High school books and supplemental materials are used	High school materials used	Student pays for college texts and materials
Lab or materials fees are NOT charged	Lab or materials fees are NOT charged	Student pays all fees (parking, lab, online, fitness center, etc.)
Tuition is free	Testing cost, approximately $89 per exam	Student does not pay tuition if credits are within state legislative allotment; limits number of courses student can enroll in at high school campus
Course offerings set collaboratively by Delta High School and university partner	Course offerings are set by high school	Course offerings set by college

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4-YEAR PLANNING WORKSHEET

9th T1	9th T2	9th T3
IM1, IM2, or IM3	IM1, IM2, or IM3	IM1, IM2, or IM3
ELA 9	ELA 9	ELA Elective
World Area Studies	World Area Studies	Psychology
Physics	Physics	Chemistry
Microsoft User	Computer Science	Pre-Engineering A
10th T1	**10th T2**	**10th T3**
IM2, IM3, Pre-Calculus, or Calculus	IM2, IM3, MATH 153, or MATH172	IM2, IM3, MATH 154, or MATH173
ELA 10	ELA 10	ELA Elective
Sociology or SOC107	CWP or SOC101	World Geography
Biology	Biology	Health
Architecture Drafting & Design A or 3D Modeling & Engineering De-	Architecture Drafting & Design B or 3D Modeling & Engineering	Web Design
11th T1	**11th T2**	**11th T3**
IM3, Pre-Calculus, Calculus, or Multivariate Calculus	IM3, MATH 153, MATH172, or MATH272	IM3, MATH 154, MATH173, or MATH273
Composition or AP Lang & Comp	Composition or ENG101	Speech & Debate, Creative Writing, or ENG105
US History I	US Government	US History II
Pre-Engineering B	Multimedia—Graphic Design	Biochemistry
Spanish 1	Spanish 1	Spanish 2
12th T1	**12th T2**	**12th T3**
Pre-Calculus, Calculus, Multivariate Calculus or Statistics	MATH 153, MATH172, MATH272, MATH130, or Inferential Prob & Stats	MATH 154, MATH173, MATH273, Financial Algebra, or MATH211
World Lit or AP Lit & Comp	American Lit or AP Lit & Comp	Written Comm, ENG102, ENG105, Speech & Debate, or Creative Writing
Spanish 2	Spanish 3	Spanish 3
Biotech, PHYS111, or PHYS103	Organic Chemistry, PHYS112, or Research Methods	Material Science or Advanced Engineering
Career Choices or IT202	Game Design or Career Choices	Additional CTE options as available
Work-Based Learning (1-2 blocks)	WBL (1-2 blocks)	WBL (1-2 blocks)
*Order of courses is subject to change—this is based off current information at time of publication		

Washington State Seal of Biliteracy

The Washington State Seal of Biliteracy (RCW 28A.300.575) recognized public high school graduates who have attained a high level of proficiency in speaking, reading, and writing in one or more world languages in addition to English. "Participating school districts with students eligible to receive the Seal, shall place a notation on a student's high school diploma and high school transcript indicating that the student has earned the seal." (RCW 28A.230.125)

Delta High School students completing the Heritage sequence of Spanish courses may take the STAMP™ assessment during their senior year to determine qualifying status for the Seal of Biliteracy.

Gold and Silver Graduates

Each graduating class honors two outstanding students based on cumulative GPA. The student with the highest GPA will be the "Gold" graduate and the second will be the "Silver" graduate. Ties will results in co-Gold or co-Silver recipients.

Selectees must:

- Attend Delta for all four years
- Complete all graduation requirements for their home district
- Pass all components of the State Exams

Determination of Gold and Silver graduates will be made after Trimester 2 of the senior year.

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ENGLISH

Participation in English courses in 9th and 10th grade prepares students for the state English Language Arts assessment. Students at Delta are required to enroll in English courses during all four years in preparation for post-high school opportunities. **Students must earn a minimum of 4.0 credits in English for graduation.**

Language Arts 9
CEDARS #1001
Prerequisite: None
Open to: Grade 9
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 ELA

Language arts skills are of course important to reading stories and writing essays, but they are also critical to improving how you think, learn, and understand science, technology, engineering, math, and social studies. This year you will learn how to be aware of yourself and others as readers and writers and how to navigate and adapt your reading and writing processes for various texts, situations, audiences, and purposes. You will use this learning to communicate and connect your thinking and learning from Science, Technology, Math, and Social Studies.

Language Arts 10
CEDARS #1002
Prerequisite: None
Open to: Grade 10
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 ELA

How have the great minds of our world transmitted the thoughts and ideas that have inspired humanity? Through written and verbal communication. Focusing on reading, writing, and oral communication skills that will allow you to contribute your own insight. Reading skills will analyzing literary and informational texts of today and our past. Writing skills that allow you to express yourself through argumentative, narrative, and expository writing. Each trimester we will be engaging in cross-curricular projects that will allow you to use all of the disciplines in order to discover answers to life's questions. Everything we will study will be centered on the common core state standards for language arts.

Literature of a Genre
CEDARS #1061
Prerequisite: None
Open to: Grades 9-10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

Students will utilize argumentative and analytical skills to explore the elements of one or more specific genres. Students will study a variety of genre-specific novels, short stories, and film as literature. Additionally, students will be asked to produce at least one argument and one analysis over the course of the trimester. Genre could include: Fairy Tales, Children's Lit, Graphic Novels, Mythology etc.

Film as Literature
CEDARS #1061
Prerequisite: None
Open to: Grades 9-10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

This class will be a survey of film from the silent era until the films of today. We will focus on the history of film, cinematography, the aspects of film, literature that has been adapted into film, and a director study to show similarities in film creations. The class will also focus on how film, like other pieces of literature, develop themes that are applicable to life, and provide dynamic character development. Students will also be given the opportunity to tell their own stories and show their knowledge of the course content through creating a short film with a team.

Composition I: Critical Reading & Responding (CWU: ENG 101)
CEDARS #1102
Prerequisite: Am Lit Honors
Open to: Grade 11
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 ELA

This course is for college-bound students wanting to improve their academic writing skills. Students will have the opportunity to read different texts, incorporate research into writing, and write for different disciplines. Papers can be tailored to meet the needs of the student for college prep; technical, business, or creative writing; or even simply personal expression. In addition to earning high school credit, students may earn college credits through CWU for successful completion of this class.
Prerequisite for college credit: CWU college entrance exam requirements.

Composition II: Reasoning & Research (CWU: ENG 102)
CEDARS #1103
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 ELA

This class is for students who like to read, think, share important ideas. Students need to be courageous enough to embrace literature and explore its power and appeal. Students will take some risks and stretch writing and discussion skills.

This course is a chance to experience a college-level literature class. Students read, analyze, discuss, and write about traditional and contemporary British/World literature. Students are strongly encouraged to take the AP Literature and Composition Exam. By passing the AP Exam a student may earn college credit.

Prerequisite for college credit: Completion of ENG 101

The Literary Imagination: An Introduction to Literature (CWU: ENG 105)
CEDARS #1103
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 ELA

This class is for students who like to read, think, share important ideas. Students need to be courageous enough to embrace literature and explore its power and appeal. Students will take some risks and stretch writing and discussion skills. This course is a chance to experience a college-level literature class. Students read, analyze, discuss, and write about traditional and contemporary British/World literature. This course will include preparation for the Advanced Placement test in Literature & Composition.

Prerequisite for college credit: Completion of ENG 101

AP English Language & Composition
CEDARS #1005
Prerequisite: None
Open to: Grade 11
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

Science Fiction
CEDARS #1061
Prerequisite: None
Open to: Grades 9-10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

The class will provide an overview of key themes within science fiction through studying novels, short stories, films, and television episodes of the past and today. We will examine how science fiction addresses many different wonders and concerns that are facing our world. Students will apply their knowledge of the conventions of science fiction and its many sub-genres in a creation of their own science fiction worlds.

Speech & Debate Comm 250
CEDARS #1153
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 1.0 ELA

This College in the high school course develops students' self-confidence through public speaking activities such as small group interaction, public speaking, debate, and oral interpretation of literature. Speech students will learn techniques of preparation, organization, and delivery of speeches to persuade, to explain, to demonstrate, to present facts, to counter and win arguments, and to speak on the spur of the moment. Students will also learn skills in small group interaction, dynamics, and roles. Students are expected to read and discuss speeches with emphasis on the use of language and persuasive techniques.

Creative Writing
CEDARS #1104
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

This class emphasizes literary and expressive forms of writing with attention given to developing a unique style. Students experiment with writing fiction, non-fiction, and poetry. Students also use the writing process to write, share, and polish creative works. A second emphasis will be on organizing critical thinking skills.

Mythology
CEDARS #1153
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 1.0 ELA

Mythology, which consists of myths, hero tales, legends, and fairy tales, represents a society's basic cultural and moral values, recorded in literary form. This course covers not only classical Greek & Roman mythology, but also world myths, social/cultural myths, and literary heritage of the local indigenous tribal nations. Students will read basic mythologies from world cultures, and analyze the stories, identifying parallel elements to show the basic kinship between people. The course culminates in a creative project of a new or retold myth.

American Literature
CEDARS #1054
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

American Literature is a one trimester course designed to provide the student with an appreciation of American poetry, fiction and drama by presenting the achievements of classic American writers in their historical context. By reading and discussing in class a number of representative works, students should develop greater analytic power, literary insight and deeper understanding of the main currents of American thought.

Podcasting
CEDARS #
Prerequisite: None
Open to: Grade
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

This course explores the process of creating a podcast, from defining its concept to producing, editing, and making sure it builds an engaged audience. We explore different successful shows and understand the elements they have in common. Students learn the basic skills for producing a podcast and have several episodes to share by the end of the course.

World Literature
CEDARS #1058
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

This course is designed to give significant literary/ historical/cultural exposure to students who will be part of the global marketplace of the future. Students read and discuss traditional and contemporary World art and literature and study contemporary and historical world events. Students will learn to appreciate and understand the values and dynamics of different cultures. The themes for the trimesters will vary, but the goal is to help students connect the art, literature, history, and culture of the world to their lives. This course also explores many different types of writing. Papers can be tailored to meet the needs of the student for college prep; technical, business, or creative writing; and simple, personal expression.

AP English Literature & Composition
CEDARS #1006
Prerequisite: None
Open to: Grade 12
Length: 2 Trimester / 1.0 credit
Satisfies: 1.0 ELA

12th AP English Lit and Comp is an introductory college level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Technical Writing
CEDARS #1104
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 ELA

Discover the art and craft of technical writing in this dynamic, hands-on course designed to prepare you for professional communication in a variety of fields. Through engaging smaller projects like instruction manuals, data visualizations, flyers, grant proposals, and handbooks, you'll develop essential skills to create clear, impactful, and practical documents. This course emphasizes real-world application, encouraging you to collaborate with clients—such as workplace supervisors, Delta staff, or other approved partners—for meaningful, authentic projects. For the final project, students will design and propose a comprehensive large-scale project that integrates elements from previous assignments. Whether it's an entrepreneurial business proposal, a detailed organizational plan, or another innovative concept, this capstone challenge empowers you to showcase your creativity, critical thinking, and technical expertise in a professional context.

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SOCIAL STUDIES

Participation in Social Studies courses in 9th, 10th, and 11th grades is a required component of Delta's STEM program. Students build skills in critical thinking, research, reading, writing, and communication. **Students must earn a minimum of 3.0 credits in Social Studies for graduation.**

World Area Studies
CEDARS #4061
Prerequisite: None
Open to: Grade 9
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 CWP / SS choice

This course examines World History from 1450–Present. With a focus on historical social, political, and economic issues related to various regions of the world such as Africa, Latin America, Far East Asia and the Middle East and the implications of these events on the present. Project based learning include opportunities to focus on the history of a significant region, culture, historical event, person, or invention through an ongoing personal research project.

National History Day is embedded in this course.

Psychology
CEDARS #4254
Prerequisite: None
Open to: Grade 9
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 SS choice

This course is an introduction to the basic principles of psychology. Major themes may include sense and perception, personality theories, abnormal behavior, mental health and illness, and aggression and altruism.

Sociology —or— Principles of Sociology (CWU: SOC 107)
CEDARS #4258
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit (1.0 credit for SOC 107)
Satisfies: 0.5 CWP / SS choice

This course is an introduction to the basic principles of sociology – the study of social patterns of groups in society. Major themes may include culture, groups, collective behavior, and social problems. Sociology also emphasizes the role of various social institutions in our present-day society.

Contemporary World Problems
CEDARS #4064
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 CWP

This course introduces students to various modern issues facing the world today. Students will examine social, political, economic, environmental, and cultural issues, as well as the role of the United States and the United Nations in a changing world. This course will teach the students evidence-based research skills to better understand the issues and allow them to develop informed understandings and positions on issues that affect their world. Students will evaluate the issues and propose solutions.

Social Problems (CWU: SOC 101)
CEDARS #4064
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 CWP / SS choice

This course will apply the science of Sociology to navigate and better understand the myriad social problems that society faces today. Through academic research and evidence-based solutions, students will examine social issues and the political, social, and economic factors past and present
that explain them. Students will work to make research-based proposals to initiate social change. The course will focus heavily on student research and writing, as well as classroom discussion to examine current social issues trending in the media.

This course fulfills the high school graduation requirement Contemporary World Problems.

World Geography or Our Dynamic Earth GEOG107 Our human world
CEDARS #4052
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 CWP / SS choice

This course will focus on and apply the fundamental skills of Geography as a science. Physical geography will be incorporated into the course, but the primary focus will be Human Geography, which examines the development of human societies and their culture, economy, and politics, all within the context of their environment. Students will explore the spatial relationship between global and local issues and apply spatial analysis skills to make relevant connections.

U.S. Government (Civics)
CEDARS #4151
Prerequisite: None
Open to: Grade 11
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Govt

This course examines the key ideals and principles of the United States as established in the Declaration of Independence, the Constitution, and the Bill of Rights. Students understand the structure of the federal and state governments and leaders' powers and limits. They examine their rights and responsibilities as citizens in a democracy and the power they can exercise through elections and ballot measures. They look at several current issues our government faces regarding economics, racial justice and the environment, and consider our leaders' policy options.

Modern U.S. History or American History since 1877 1.0 HIST112
CEDARS #4103
Prerequisite: None
Open to: Grade 11
Length: 2 Trimesters / 1.0 credit or .5 High School and 1.0 College Credit
Satisfies: 1.0 US Hist

In U.S. History , we examine the development of our nation's character, government, and ideals, then focus on the major turning points in American history since 1865. We trace the historical causes of the major social and economic issues of the 20th and early 21st centuries. Students analyze the ways our rights and ideals have been advanced or violated through these crises. We look at America's role as a world power and its continuing impact on world events. We also look at how workers, immigrants, people of color, and women have sought equal rights and ask how the United States fulfills its pledge of "liberty and justice for all."

Modern East Asian History
CEDARS #4151
Prerequisite: None
Open to: Grade 10,11,12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Govt

This course explores the dynamic history of East Asia from the late 19th century to the present. We will examine the major political, social, and economic transformations in China, Japan, Korea, and other regions. Key topics include the impact of Western imperialism, the rise of nationalism, the effects of World War II, the Cold War era, and the rapid modernization and globalization of East Asian societies. Through a combination of lectures, readings, and discussions, students will gain a comprehensive understanding of the historical forces that have shaped contemporary East Asia.

Latin American History
CEDARS #4151
Prerequisite: None
Open to: Grade 10,11,12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Govt

This course includes a comprehensive exploration of Latin American history, from pre-Columbian civilizations to contemporary times. Students will delve into the rich and diverse cultures, significant events, and influential figures that have shaped Latin America. Key topics include the rise and fall of ancient empires such as the Maya, Aztec, and Inca; the impact of European colonization; the struggles for independence; and the social, political, and economic developments of the 20th and 21st centuries.

History in Film
CEDARS #4064
Prerequisite: None
Open to: Grade 10, 11, 12
Length: 1 Trimester / 0.5 credit
Satisfies: SS elective choice

Explore the fascinating journey of cinema from its inception to the present day in this comprehensive History of Film course. Students will delve into the evolution of film as an art form, a cultural phenomenon, and a powerful medium of communication.

DELTA HIGH SCHOOL
COURSE CATALOG
2024-2025

MATHEMATICS

Participation in Math courses in 9th, 10th and 11th grade prepares students for the state Math assessment. Students at Delta are required to enroll in Math courses during all four years in preparation for post high school opportunities. **For graduation, students must earn a minimum of 3.0 math credits, one of which must be Integrated III or its equivalent.**

Integrated Math I
CEDARS #2061
Prerequisite: None
Open to: Grades 9-10
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 Math

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and covers the following topics during a three-year sequence: algebra, functions, geometry from both synthetic and an algebraic perspective, trigonometry, statistics and probability, and mathematical structure. Students receive the same college-preparatory curricula over the course of three years that they would get in the traditional sequence of math courses. Integrated Math 1 topics include linear functions, equations, and inequalities, exponential properties, and geometrical transformations.

Particular Topics in Algebra
CEDARS #2058
Prerequisite: None
Open to: Grades 9-10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

Particular Topics in Algebra is a continuation of Integrated Math I. The topics for this course include polynomial arithmetic, transformations of quadratic functions, graphing quadratic functions, and solving quadric equations.

Integrated Math II
CEDARS #2062
Prerequisite: Integrated Math I or Algebra I
Open to: Grades 9-11
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 Math

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. Students receive the same college-preparatory curricula over the course of three years that they would get in the traditional sequence of courses. Integrated Math II topics include solving quadratic equations, factoring quadratics, quadratic formula, quadrilaterals, Pythagorean Theorem, 2D-3D shapes, geometric proofs, triangle properties, and matrices.

Probability and Statistics
CEDARS #2201
Prerequisite: Integrated Math II or Geometry
Open to: Grades 9-11
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

Probability and Statistics is a continuation of Integrated Math II. This course introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs).

Integrated Math III
CEDARS #2063
Prerequisite: Integrated Math II or Geometry
Open to: Grades 9-12
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 Math

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, and mathematical structure. Students receive the same college preparatory curricula over the course of three years that they would get in the traditional sequence of courses. Integrated Math III topics include exponential, logarithmic, and rational functions, complex numbers, and conic sections.

Math Analysis I
CEDARS #2104
Prerequisite: None
Open to: Grades 9-12
Length: 1 Trimesters / 0.5 credit
Satisfies: 0.5 Math

This course is an extension of the Integrated Math III series. This course coves trigonometric topics including right triangle trigonometry, non-right triangle trigonometry, graphing trigonometric functions in Cartesian and Polar coordinate systems, explorations of the unit circle, and application of trigonometry to real world situations.

Math Analysis II
CEDARS #2104
Prerequisite: Integrated III & Math Analysis I
Open to: Grades 9-12
Length: 1 Trimesters / 0.5 credit
Satisfies: 0.5 Math

This is a one-trimester course. It is an introduction to Pre-calculus I and II. Topics include polynomial equations, piecewise functions, radical functions, and matrices.

Pre-Calculus I and II (CWU: MATH 153/154)
CEDARS #2110
Prerequisite: Math Analysis II
Open to: Grades 9-12
Length: 2 Trimesters / 2.0 credits
Satisfies: 2.0 Math

This is a two-trimester course. Topics for the first trimester are polynomial, logarithmic, exponential, and rational functions. Second trimester the topics include the study of trigonometric functions, vectors and polar coordinates.

Calculus I and II (CWU: MATH 172/173)
CEDARS #2121
Prerequisite: CWU Math 153/154
Open to: Grades 10-12
Length: 2 Trimesters / 2.0 credits
Satisfies: 2.0 Math

This is a two-trimester course. Topics include limits, derivatives, definite and indefinite integration and applications of derivatives and integrals.

Calculus
CEDARS #2121
Prerequisite: Pre-Calculus I & II
Open to: Grades 10-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

This is a one-trimester course. It is an introduction to Calculus I and II. Topics include limits and derivatives.

Multivariate Calculus
CEDARS #2122
Prerequisite: CWU Math 172/173
Open to: Grades 11-12
Length: 1 Trimesters / 0.5 credit
Satisfies: 0.5 Math

This is a one-trimester course. Topics include the study of hyperbolic functions, improper integrals, directional directives, and multiple integration and its applications.

Particular Topics in Probability & Statistics
CEDARS #2204
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

This course explores statistical analysis as applied to real world financial topics. Topics include single variable analysis, data visualization, and real-world statistical data gathering.

Inferential Probability & Statistics
CEDARS #2202
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

This course will focus on introductory probability and statistical concepts as applied to real world situations. Probability topics include counting principals, equality likely probability, relative frequency, geometric probability, and binomial distribution. Statistical topics include single variable data analysis and standard deviation. This is an introductory course into Finite Mathematics and topics will be continued into the Finite Mathematics course.

Finite Mathematics (CWU: MATH 130)
CEDARS #2202
Prerequisite: Inferential Probability & Statistics
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 Math

This course will explore topics of probability and statistics. Finite Math focuses on real world applications and serves to prepare students for research and statistical analysis. Finite math is for the information age. The course will study discrete number problems. This course will include exploration into probability, set theory, counting principles, statistics, logic, and decision making.

Financial Algebra & Statistics
CEDARS #2155
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Math

Financial Algebra focuses on real-world financial literacy and personal finance. Students apply mathematical concepts to topics including personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, stocks, and insurance.

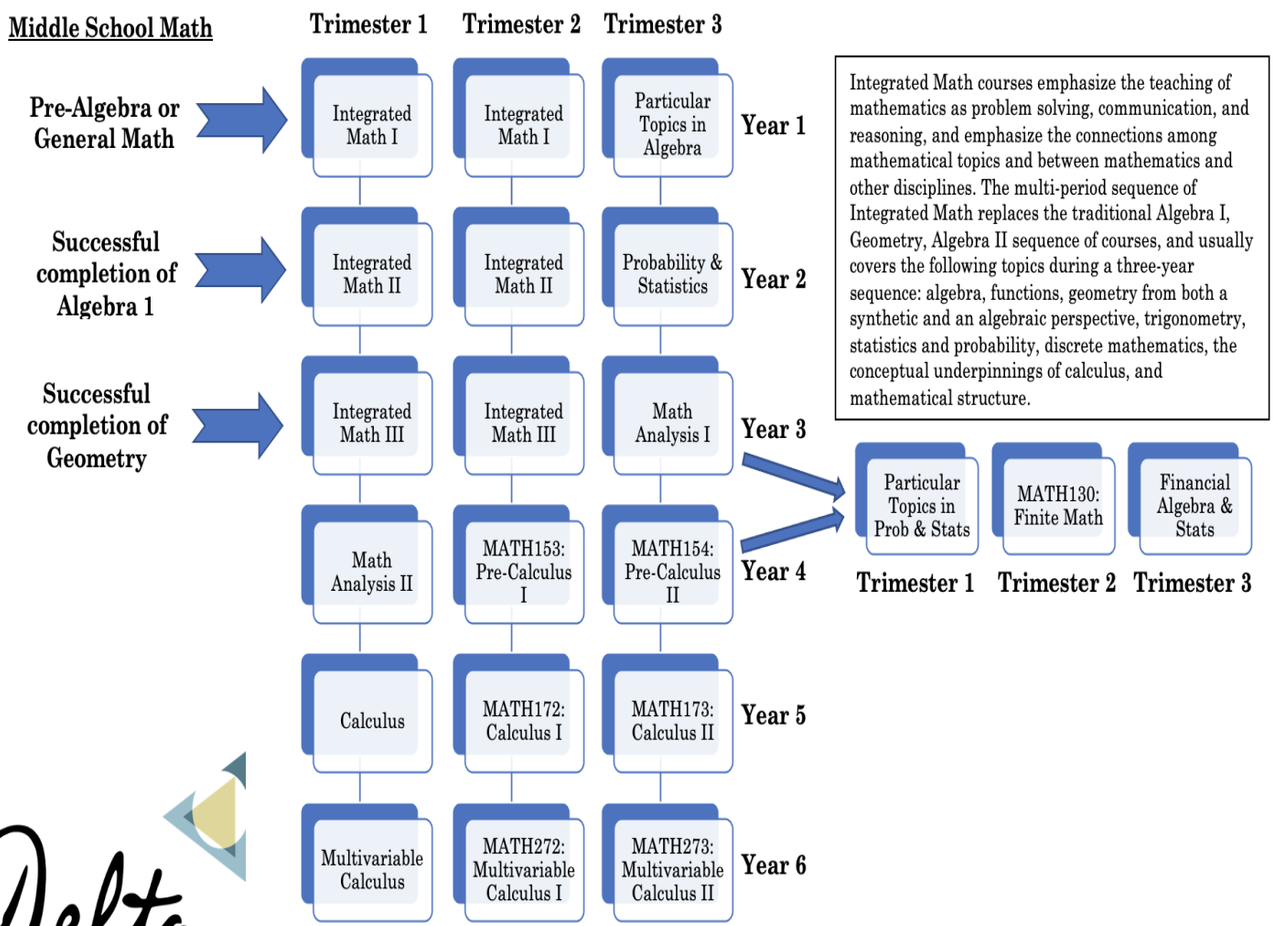
Statistical Concepts & Methods (CWU: MATH 211)
CEDARS #2205
Prerequisite: Finite Mathematics (CWU: MATH 130)
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 Math

This course will allow for students to calculate and interpret basic descriptive statistics, calculate probabilities for simple events from a variety of random experiments, describe and use properties of basic probability distributions, understand and perform statistical inference in the form of confidence intervals and hypothesis tests, and review with more critical eyes public information that informs decisions in our world today.

Multivariable Calculus I and II
(CWU: MATH 272/273)
CEDARS #2122 / 2123
Prerequisite: Particular Topics in Calculus
Open to: Grades 11-12
Length: 2 Trimesters / 2.0 credits
Satisfies: 2.0 Math

This is a two-trimester course. Trimester one topics include sequences and series, vector calculus, differential and integral calculus of multivariable functions. Trimester two topics include double and triple integrals, vectors fields, line integrals, parametric surfaces, and surface integrals.

DELTA HIGH SCHOOL
MATHEMATICS PATHWAYS
2024—2025



Delta High School

DELTA HIGH SCHOOL
COURSE CATALOG
2024-2025

SCIENCE

Students must earn a minimum of 3.0 credits in Science for graduation. This must include 2 lab-based courses. Students build skills in critical thinking, analysis, decision making, problem solving, curiosity, and communicating complex ideas. These classes prepare them for the Washington Comprehensive Assessment of Science.

Physics
CEDARS #3151
Prerequisite: None
Open to: Grade 9
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 Science

In this class, students will learn about the interactions and relationships of matter and energy. This involves exploring how the four fundamental forces; Gravity, Electromagnetism, Strong Nuclear, and Weak Nuclear, control the universe around us. Students will investigate how these fundamental forces can create systems that are very simple and others can be quite complex.

*This is a laboratory-based course.

Chemistry
CEDARS #3101
Prerequisite: None
Open to: Grade 9
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

Chemistry is the study of the atom and how about 80 different atoms make up everything around. Students will explore how atoms come together to form the four primary materials; molecules, ionic compounds, metals, and network solids. Students will use chemical reactions to study the flow of energy and matter. Students will experiment with how the principles of kinetics and equilibrium are used to control chemical reactions.

*This is a laboratory-based course.

Biology
CEDARS #3051
Prerequisite: None
Open to: Grade 10
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 Science

Biology is the study of life and the environment which sustains it. During this course we will explore cell biology, genetics, evolution and how matter and energy cycle through living systems. Students will develop and use different kinds of models as they work to understand concepts and explain phenomena. This course will also focus on identifying evidence and reasoning and use both in the support of claims.

*This is a laboratory-based course.

Health
CEDARS #8051
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Health

Health is the application of biology to the human body. During this course students will reflect on their personal health habits and the impacts of personal choices on future health outcomes. Students will research topics such as: nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention and immune system functions, sexual health topics, reproductive health, personal development and community resources.

Fundamentals of Biology (CWU: BIOL 101)
CEDARS #3051
Prerequisite: None
Open to: Grade 10
Length: Trimester / 1.0 credit
Satisfies: 1.0 Science

This course serves as an introduction to scientific inquiry and basic principles of biology at molecular, cellular, organismal, community, and ecosystem levels as applied to humans, society, and the environment. This course may not be counted toward a major or minor in the department of biological sciences. (CWU Course Catalogue) Students will develop and use different kinds of models as they work to understand concepts and explain phenomena. This course will also focus on identifying evidence and reasoning and use both in the support of claims.

*This is a laboratory based course.

Human Physiology (CWU: BIOL 201)
CEDARS # 3051
Prerequisite: None
Open to: Grade 10
Length: 1 Trimesters / 0.5 credit
Satisfies: 0.5 Health

This Course serves as an introduction to the function of human cells, organs, and organ systems as it relates to health and well-being, current developments, and society. (May not be counted toward a major or minor in the department of biological sciences.) (CWU Course Catalogue) During this course students will reflect on contemporary breakthroughs or issues in science and medicine and their societal relevance. Students will make and use models to describe and explain the function and interaction between human organs and organ systems. Students will investigate common diseases/disorders, current medical approaches and how treatments impact outcomes.

Advanced Chemistry - Biochemistry
CEDARS #3102
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

Biochemistry involves the study of chemicals that occur in living organisms. Concepts include chemical reactions, equilibrium, and conservation of matter; structure and behavior of biochemicals; and communication using various models. Hands on laboratory activities will include a focus on basic techniques, lab safety, data analysis, the scientific method, and related computer skills.

*This is a laboratory-based course.

Organic Chemistry I
CEDARS #3103
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

In this single trimester survey course students will expand their understanding of chemistry through a study of organic molecules. Concepts include: nomenclature (naming molecules); functional groups; chemical structure, behavior and interactions; and reactions; and modeling molecules. Laboratory skills development, communication, and related computer skills will be emphasized.

*This is a laboratory-based course.

Introduction to Biotechnology
CEDARS #14252
Prerequisite: None
Open to: Grades 11-12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

This course will introduce you to the foundational aspects of biotechnology. Topics include DNA isolation and modification, protein synthesis and detection, cell culture, and sterile technique. Societal issues associated with biotechnology, such as stem cells, cloning, and genetically modified foods, will be explored with an emphasis on current policy and debate. Hands on laboratory activities will include a focus on basic techniques, lab safety, data analysis, the scientific method, scientific communication, teamwork, and related computer skills.

*This is a laboratory-based course.

Introductory Physics I with Laboratory (CWU: PHYS 111)
CEDARS #3152
Prerequisite: see below
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 Science

An integrated experimental and analytical investigation of topics including kinematics and dynamics. This integrated lecture/laboratory course includes the analysis of physical systems using algebra and trigonometry along with inquiry-based activities and experimental investigation.

Prerequisite: Eligible to enroll in MATH 172
OR successful completion of a comprehensive year-long high school pre-calculus course, or equivalent, the year prior to enrollment in PHYS 111. Co-requisite: Concurrent enrollment in a comprehensive year-long high school pre-calculus course, or equivalent.

*This is a laboratory-based course.

Introductory Physics II with Laboratory (CWU: PHYS 112)
CEDARS #3152
Prerequisite: Completion of Introductory Physics I w/ Lab
Open to: Grade 12
Length: 1 Trimester 1.0 credit
Satisfies: 1.0 Science

Students will explore physics of moving objects, specifically systems that travel in arc/circular paths and systems that have forces acting in many directions. Topics include such concepts as angular momentum, tangential velocity, torque, centripetal force, and more. Possible scenarios of study include rockets, sling shots, catapults, celestial bodies, sports, and other things that go around. Skills utilized will include mathematics, teamwork, research, and communication.

Prerequisite for college credit: Completion of Physics 111

*This is a laboratory-based course.

Materials Science Technology A
CEDARS #130052
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

This course takes a look at materials all around us by examining them in simple yet unique ways. Students will have the opportunity to work with various raw materials, which may include glass, ceramics, alloy metals, polymers, and composites from raw materials using modern laboratory equipment. Students will be able to question, observe, create, build projects, and experiment. Guest speakers will provide career information or demonstrations to broaden understanding of materials science.

*This is a laboratory-based course.

Physics of Musical Sound (CWU: PHYS 103)
CEDARS #3152
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 1.0 credit
Satisfies: 1.0 Science

Basic principles of acoustics applied to the production of sound by musical instruments and the human voice. Related topics include musical scales, human hearing, sound synthesis, and recording technology. Class format emphasizes active learning.

*This is a laboratory-based course.

Scientific Research and Design
CEDARS #3212
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Science

This course provides students the opportunity to explore a science topic of personal interest on a deeper level while developing skills in proper research and documentation, basic project management, data communication, and public presentation. Students will have regular interactions with experts from the scientific community. Teamwork developmentand data visualizations skills are emphasized.
*Culminating Project Course

Medical Terminology
CEDARS #14154
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Elective

Medical Terminology is a program designed to help learn health care language and vocabulary for accurately describing the human body and associated components and process in a science-based manner. It is to be used in the medical and health care fields. This systematic approach to word-building and term comprehension is based on the concept of word roots, prefixes and suffixes.

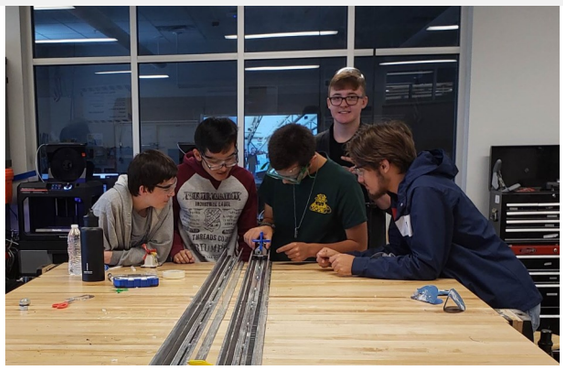
Thermodynamics
CEDARS #
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Elective

Introduces students to the fundamental principles of energy transfer, including the laws of thermodynamics, concepts of heat, work, internal energy, and how these relate to different types of systems, often focusing on practical applications in everyday life and preparing students for further study in science or engineering fields.

DELTA HIGH SCHOOL
COURSE CATALOG
2024-2025

CAREER & TECHNICAL EDUCATION

Students must earn a minimum of 2.0 credits Career and Technical Education. CTE courses may also fulfill electives, and may replace some required coursework as Personal Pathway Requirements.



Microsoft Office / Computer Applications Specialist
CEDARS #110699
Prerequisite: None
Open to: Grade 9
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

This course is designed to provide students an opportunity to develop skills associated with Microsoft Office Suite products. All students will focus on competencies needed to operate the Office Suite and be afforded the opportunity to test for certification. Microsoft Office certifications have become commonplace in the workforce worldwide, and essential for many new job opportunities. Programs taught include Word, PowerPoint, and Excel.

Students may take Advance MOS or IT 202 (10-12 grade) for advanced applications and the option to earn college credit (IT 202)

Successful completion of this course will meet the KSD Computer Competency requirement for graduation.

Computer Science
CEDARS #110201
Prerequisite: None
Open to: Grade 9
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

No prior experience or knowledge required! Exploring Computer Science is designed for students who are curious about Computer Science and programming. Throughout the course, students will develop problem-solving skills by learning to approach computing challenges systematically and become more comfortable trying out new computer tools. Students will explore writing simple graphics-based programs. This course is designed to introduce students to basic programming concepts and is the first course in the computer Science Pathway. Students will have the ability to take more in depth computer science courses in the future.

Pre-Engineering A
CEDARS #21003
Prerequisite: None
Open to: Grade 9
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

Engineering Technology courses provide students with the opportunity to focus on one or more areas of industrial technology. During the course students will emulate real world engineering as they think to solve problems and communicate what they are thinking. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology. Students will design and build prototypes as working models for science inquiry, data gathering, analysis, documentation and dissemination of results. Topics covered in the course include the nature of technology, use of technology, and the design processes.

Pre-Engineering B
CEDARS #17101
Prerequisite: None
Open to: Grade 11
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed

Electricity/Electronics course offers instruction in the theory of electricity and its relationship to magnetism as well as terminology, fabrication skills, and safety procedures. Topics include (but are not limited to) Ohm's law, electrical equipment, series and parallel circuits, purpose and function of electronic components, introduction to transistor theory as well as career exploration. Project work will include electric motors, light bulbs and electronic power supplies, as well as an introduction to robotics.

Change Ready: Technology Skills for Civic & Community Leaders (CWU: IT 202)
CEDARS #12003
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

Students will learn to maximize software applications and collaborative tools to support community and civic projects. Emphasis on using technology to facilitate project design, organization, communication, presentation, and building stakeholder support. This course is an advanced Microsoft 365 course. Students have the opportunity to receive Microsoft certification in Outlook, Word, Word Expert, Excel, Excel Expert, and/or Access. This is a College in the High School class from CWU and can be taken for 4 college credits.

Career Choices
CEDARS #22151
Prerequisite: None
Open to: Grade 11
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

Career Choices is an exploratory, project based course offered to students interested in completing an internship. Topics covered include career readiness, decision making strategies, project management, and workplace skill development.

This course can be used as a prerequisite for Work-Based Learning and meets the graduation requirement in the Pasco and Richland School Districts for financial literacy.

Advanced Engineering (Computer-Aided Manufacturing)
CEDARS #21006
Prerequisite: Pre-Engineering and Drafting and Design
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

This course provides students the opportunity to apply principles of CAD design and builds on computer solid modeling skills developed in Pre-Engineering and Drafting and Design courses. Students use technology, including 3D printers, to produce actual models of 3-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. This class will provide students an opportunity to complete an investigative project related to the student's individual post-high school plan. Projects will be completed on a personal area of interest related to engineering. The course is designed to meet the needs of students planning to enter a career in engineering, technology, and/or design.

*Culminating Project Course

Materials Science Technology I
CEDARS #21001
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

This course takes a look at materials all around us by examining them in simple yet unique ways. Students will have the opportunity to work with various raw materials, which may include glass, ceramics, alloy metals, polymers, and composites from raw materials using modern laboratory equipment. Students will be able to question, observe, create, build projects, and experiment. Guest speakers will provide career information or demonstrations to broaden understanding of materials science.

Your Digital Footprint and the Web (CWU: IT111)
CEDARS #XXXXX
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

Students will examine the impact of online activities on personal, academic, and professional lives, plus the global impact of technology and our interactions with that technology. Students will develop skills to maintain and leverage digital footprints, critically evaluate online content, and cultivate e-professionalism. This is a College in the High School class from CWU and can be taken for 4 college credits.

Publications
CEDARS #XXXXX
Prerequisite: None
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ. Ed.

Students will learn journalistic skills and marketing skills to produce the school yearbook. This production-based course requires both in class and after school commitments. Students are required to sell advertising to help support the printing costs of the yearbook. Students will apply desktop publishing, photography, and layout design skills to produce the high school yearbook. Yearbook requires students to attend events outside of the school day. Students must be able to work with others, show reliability and meet deadlines. Students will conduct interviews with students and staff members and create content for the yearbook. This class may be repeated for credit.

Computer Gaming & Design
CEDARS #10205
Prerequisite: None
Open to: Grade 12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ Ed.

Computer Gaming is an exploratory, project-based course offered to students interested in game design, including facets of story elements, graphic art, and programming.

ART

Students must earn a minimum of 2.0 credits in Fine Arts. 1.0 Fine Arts credit may be replaced by a Personalized Pathway Requirement. Performing and visual arts courses may also fulfill electives.

Architectural Drafting & Design A
CEDARS #21102
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed./ fine art

This course will explore the 2D aspects of Architectural Design including Floor plans, Elevations, Sections and Foundation plans. Students will work in groups to design a simple house plan for Habitat for Humanity. Students will be introduced to Universal Building Codes, LEED building requirements, sustainability concepts, and aesthetic design. Students will work in teams to create working building plans.

Architectural Drafting & Design B
CEDARS #21102
Prerequisite: Architecture Design A
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed/ fine art

Students will continue their architecture exploration and dive into 3D concepts and idea presentation. Students will create 3D models and create realistic views of architectural buildings. Students will learn concepts of 3D modeling, rendering, materials, and realistic lighting.

Architectural Drafting & Design C
CEDARS #21102
Prerequisite:
Open to: Grade 11,12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed/ fine art

Students will learn the basics of residential architectural design while they design a basic house that includes green building and sustainable design elements. Students will use RevIt to model a house and begin to explore room efficiency and flow, layout, as well as be introduced to building codes and aesthetics.

3D Modeling & Engineering Design A
CEDARS #21104
Prerequisite: None
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed fine art

Students will explore various forms of 3D modeling software, including TinkerCAD, OnShape, and 3D AutoCAD. Students will learn how the different program are similar, and the common commands and functions. Students will also learn how to operate a 3D printer, the different types of additive manufacturing, and learn best 3D printing practices.

3D Modeling & Engineering Design B
CEDARS #21104
Prerequisite: 3D Modeling
Open to: Grade 10
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed./fine art

A continuation of 3D modeling, students will use 3D Studio MAX to create animation shorts. We will explore the history of animation and 3D animation and the impact on entertainment and marketing. Students will use industry concepts like flipbooks and storyboarding to create short animations.

3D Modeling & Engineering Design C
CEDARS #21104
Prerequisite: None
Open to: Grade 11,12
Length: 1 Trimester / 0.5 credit
Satisfies: 0.5 Occ.Ed./fine art

This course is designed for students with some experience with 3D modeling but want to explore more. We will use SolidWorks and 3D AutoCAD to create models. Students will learn how to operate a 3D printer and maximize efficiency with prints. This class will also explore the basics of 3D animation. Students will create short industrial-style animated works.

Web Design
CEDARS #10201
Prerequisite: None
Open to: Grade 10
Length: Trimester / 0.5 credit
Satisfies: 0.5 Visual Arts

Web Design is a foundation in the skills necessary to design and manage webpages. Students will be introduced to web development through the exploration of HTML and CSS. Students will work to understand how both languages work separately and together by creating multiple small scale webpages. As the course progresses students will also explore the elements and principles of art as they relate to the World Wide Web. Other topics include designing webpages for accessibility and usability.

Multimedia—Graphic Design
CEDARS #10201
Prerequisite: None
Open to: Grade 11
Length: Trimester / 0.5 credit
Satisfies: 0.5 Visual Arts

Continuing in the exploration of the WWW students will add JavaScript into their web designer's toolbox. Students will also explore creating graphics for websites including illustrations with Adobe Illustrator and basic photo editing with Adobe Photoshop and Fireworks.

Work-Based Learning
CEDARS #22998
Prerequisites: Qualifying CTE course in same area as internship placement: (9th-10th Technology, Multimedia Arts, Computer Science, or Career Choices).
Student must be on track to graduate.
Open to: Grade 12
Length: variable (1 – 3 Trimesters)
Satisfies: 0.5 – 1.5 Occ. Ed.

Work-Based Learning is an opportunity for students to complete a short-term (180 hour) internship in a placement directly related to their program of study. Internships allow students to make connections between real-world experiences and related course work while exploring future career options. Internship placements must be related to a previous CTE course a student has completed or is completing and connect to their post-graduation plans. Internships may be extended or multiple internships may be completed for more credit. Every 180 hours = 0.5 credit.

DELTA HIGH SCHOOL
COURSE CATALOG
2024-2025

WORLD LANGUAGE

Students must earn a minimum of 2.0 credits in World Languages. Students planning on attending a 4-year university after high school must take 2 credits of consecutive levels of the same foreign language. Some universities prefer or require 3 credits of consecutive levels of the same foreign language. Students are encouraged to consult the entrance requirements for colleges/ universities they are interested in attending.

Spanish I
CEDARS #24052
Prerequisite: none
Open to: Grade 11-12
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 world language

Introduction to the Spanish language including conversational skills, reading, writing and grammar, and Hispanic culture including geography, customs, daily life, and heritage. Designed for the novice learner of Spanish, with little or no proficiency in the Spanish language.

Spanish II
CEDARS #24053
Prerequisite: Spanish I
Open to: Grade 11-12
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 world language

Continued introduction to the Spanish language including conversational skills, reading, writing, grammar, Hispanic culture including geography, customs, daily life, and heritage.

Spanish III
CEDARS #24054
Prerequisite: Spanish II
Open to: Grade 12
Length: 2 Trimesters / 1.0 credit
Satisfies: 1.0 elective

Extensive practice in all four language skills (reading, writing, speaking, and listening). The course includes cultural readings and short stories and an in-depth review of basic Spanish grammar, expansion of basic vocabulary, and a broadening of the student's understanding.

Spanish for Heritage Speakers
CEDARS #24052, 24053, 24054
Prerequisite: Dual Language K-5 or K-8 and/or fluent in Spanish; Instructor approval
Open to: Grade 11-12
Length: 6 Trimesters / 3.0 credit
Satisfies: 3.0 world language

Extensive practice in all four language skills (reading, writing, speaking, & listening). The course includes cultural readings, short stories, and/or novels, with greater emphasis on reading and writing Spanish. Review of intermediate and advanced Spanish grammar, expansion of academic vocabulary, and a broadening of the student's understanding of Hispanic culture. Students may repeat the course, earning up to 3.0 credits.

Students will prepare for success on the STAMP assessment at the end of the second year. Successful completion earns a Seal of Biliteracy on the student's transcript.