

St. David High School

2022-2023

Course Descriptions



St. David High School

Mr. Andrew Brogan, Principal

Mrs. Natasha Stearns, Academic Counselor

Mr. Dustin Hancock, CTE Director

Course Offerings- The courses listed in the guide are the course offerings of St. David High School. Please make yourself aware of course sequence and graduation requirements.

Schedule Changes- Schedule changes will be kept to a minimum. Students who are enrolled in a course are expected to complete them. **There will be no changing of courses after the first week of a semester.**

St. David High School Graduation Requirements

Subject Area	St. David Requirements	University Requirements
English	4 Credits	4 Credits
Math	4 Credits	4 Credits
Science	3 Credits	3 Credits
Social Studies	3 Credits	2 Credits
CTE/Fine Arts/ Humanities	3 Credits	1 Credit
Electives	6 Credits	Meet St. David Requirement
Foreign Language	No Requirement	2 Credits
Total	23 Credits	

All Freshmen, Sophomores, and Juniors are required to take 6 classes.

Seniors are required to take a minimum of 5 classes regardless of how many credits they have.

One TA class allowed per semester, for Sophomores, Juniors and Seniors

NON-DISCRIMINATION NOTICE

(Governing Board policies AC and GBA)

Saint David USD No. 21 does not discriminate on the basis of race, color, national origin, sex, age, or disability in admission to its programs, services, activities, in access to them, in treatment of individuals, or in any other aspect of their operations. St. David USD No.21 also does not discriminate in its hiring or employment practices. This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator listed below:

Mr. Jonathan Watts, Interim Acting Administrator/Compliance Officer/Title 2/ Title IX Coordinator
70 E. Patton Street St. David, AZ
520-720-4781
Monday through Friday 7:00 am to 3:30 pm

Mr. Andrew Brogan, 504 Coordinator
70 E. Patton Street St. David, AZ
520-720-4781
Monday through Friday
7:30 am to 3:30 pm

Violations shall be reported to the Superintendent. See Governing Board policy AC, AC-R, AC-E, GBA, GBA-R, and GBA-E for details.

Courses offered and Credits earned per Year

Career & Technical Education

Agribusiness & Communications	1
Agricultural Mechanics I	1
Agricultural Mechanics 2	1
AgriScience Animal	1
AgriScience Plant	1
Baking and Pastry	1
Business Operations I	1
Business Operations 2	1
Business Operations 2I	1
Cloud Computing I	1
Cloud Computing 2	1
CNA Nursing Services Application	1
Coding I	1
Coding 2	1
Culinary I	1
Culinary 2	1
Introduction to AgriScience	1
Medical Professions	1

Electives

Physical Education	1
Physical Education, Sports	1
Student Government (StuGo)	½
Teacher Aide	½

English

English 9	1
English 10	1
English 11	1
English 12	1

Humanities

Music	1
Spanish 1	1
Spanish 2	1

Mathematics

Algebra 1	1
Algebra 2	1
Algebra 3	½
Business Math	1
Geometry	1
Trigonometry	½

Science

Astronomy	1
Biology	1
Chemistry	1
Earth Science	1

Social Studies

Economics	½
Federal Government	½
US History	1
US History, Advanced	1
World History	½

Career & Technical Education

AgriScience 1 / Plant Science

This course will examine animal science principles and practices. Topics include anatomy and physiology, cell biology, nutrition, reproduction, genetics, disease control, quality assurance, veterinary care, and management of animals. Students will also learn research methods and formulate their own scientific investigations. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 9-12

Credit: 1

Prerequisite: None

AgriScience 2 / Animal Science

This course will examine animal science principles and practices. Topics include anatomy and physiology, cell biology, nutrition, reproduction, genetics, disease control, quality assurance, veterinary care, and management of animals. Students will also learn research methods and formulate their own scientific investigations. Participation in FFA student organization activities and in a Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Grades: 9-12

Credit: 1

Prerequisite: None

Horticulture

This course provides instruction that incorporates plant science, soil and media mixtures, plant identification and optimal environments, and landscape design. These courses emphasize applying such knowledge and skill to the design, establishment, and maintenance of lawns, parks, open space, and similar environments.

Grades: 10-12

Credits: 1

Prerequisite: AgriScience 1 / Plants

Ag Mechanics

This courses provides students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and

care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.

Grades: 10-12

Credits: 1

Prerequisite: AgriScience 1 or AgriScience 2

Business Operations 1

This introductory course is recommended for students who have an interest in Administration and Information Support to learn how to utilize technology to perform and coordinate the administrative activities of an office and to ensure that information is collected and disseminated to staff and clients effectively and efficiently. Students will also learn Microsoft Word and PowerPoint.

Grades: 10-12

Credits: 1

Prerequisites: None

Business Operations 2

This is the second course in the coherent sequence for Business Operations. Students enrolled in this course will develop advanced knowledge and skills in desktop publishing, office procedures, transcription, public relations, records management and customer service. Students will also learn Microsoft Excel.

Grades: 10-12

Credits: 1

Prerequisites: None

Business Operations 3

This course provides students an opportunity to engage in learning through participation in a structured work experience that can be either paid or unpaid and does not necessarily require classroom instruction that involves the application of previously developed BOSAS knowledge and skills. However, the Internship does require applications directly related to the Technical Standards of the Business Operation program.

Grades: 12

Credits: 1

Prerequisites: Business Operations 1 & 2

Cloud Computing 1 - Cochise College CIS120 & GOO101

Cloud Computing is offered in partnership with Cochise Technology District CTED and Cochise College. The first semester is CIS 120, Intro to Information Systems, an introduction to digital basics, hardware, software, operating systems, local area networks, wide area networks, internet, web, email, digital media, basic programming, and the computer industry. This course

also includes an in-depth application of the business intelligence perspective, which uses database and spreadsheet software packages to achieve efficient and effective problem solving. The second semester is GOO 101, Google IT Support Professional. Students will gain the skills required to succeed in an entry-level Information Technology (IT) capacity and earn their Google IT Support Professional Certification. Students will learn to perform day-to-day IT support tasks, including computer assembly, wireless networking, and customer service. Students will also learn how to provide end-to-end customer support ranging from identifying problems to troubleshooting and debugging, and how to use software systems including Linux, Domain Name Systems, Command-Line Interface, and Binary Code.

Grades: 11-12

Credits: 1, 6 college credit hours

Prerequisite: Must meet Cochise College Requirements

Student Fees: \$60 (\$20 per credit hour)

Cloud Computing 2 - Cochise College CIS120 & GOO101

Cloud Computing 2 is offered in partnership with Cochise Technology District CTED and Cochise College. The first semester is CLD 110, AWS Cloud Foundations, which provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support. Intended for students who seek an overall understanding of cloud computing concepts this course prepares students for the Amazon Web Services Certified Cloud Practitioner exam. The second semester is CIS 140, Introduction to Operating Systems. This course provides students with a knowledge of operating systems and prepares students for the CompTIA IT Fundamentals examination. Topics include system components, storage, networking, security, and system management. Students are members of FBLA, the Career and Technical Student Organization for business & computer students.

Grades: 11-12

Credits: 1, 6 college credit hours

Prerequisite: Cloud Computing I

Student Fees: \$60 (\$20 per credit hour)

CNA Nursing Services Application

This course prepares students to perform routine nursing-related services to clients in hospitals or long-term care facilities under the training and supervision of a registered nurse. This course will also prepare students for advanced technical skills and knowledge using a variety of nursing assisting techniques and equipment. *This course requires students to spend week-ends and extra out of class time

for labs and clinicals at local hospitals or long-term health facilities.

Grades: 11-12

Credits: 1 (Semester long course.)

Prerequisite: Medical Professions

Coding 1

This course introduces the early fundamentals of coding. It blends detailed technical knowledge with engaging coursework, allowing students free-range creativity. The course emphasizes logical thinking and problem-solving, critical thinking, and real-world coding application. Students taking this course will receive the basic tools and building-blocks to code not only the assigned programs, but also to design and develop their own unique games and interactive experiences.

Grades: 9-12

Credits: 1

Prerequisite: None

Coding 2

This course builds on the basics learned in Coding 1, rounding out the students' knowledge of coding fundamentals. The course introduces image-based graphics, allowing students to produce the sorts of familiar games and dynamic interactive programs that they are already enthusiastic about. Emphasis is on code organization and the process of designing larger programs.

Grades: 10-12

Credits: 1

Prerequisite: None

Culinary 1

This course prepares students in basic culinary arts skills, including safe food handling practices, nutritional needs, different cooking methods, sauces, baking and pastry and front of the house skills.

Grades: 10-12

Credits: 1

Prerequisite: None

Culinary 2

This course will expand on skills learned in Culinary I. Learning a deeper understanding of basic skills and applying them to food service. Class will have work based learning, with projects including planning and catering events. Students will be creative and try new and more advanced techniques.

Grades: 11-12

Credits: 1

Prerequisite: Culinary 1

Digital Photography 1

This is the introductory course for the Digital Photography program. This course will prepare the student to integrate preproduction, production, post-production, deliver/distribute, quality assurance and presentation phases of Digital Photography.

Grades: 10-12

Credits: 1

Prerequisite: None

Digital Photography 2 / Yearbook

This is the second course in the coherent sequence for Digital Photography. This course will prepare the student to integrate preproduction, production, post-production, Deliver/Distribute, Quality Assurance, and Presentation phases of Digital Photography. Students will practice photography skills. They will work on taking pictures and organize them to form the yearbook.

Grades: 10-12

Credits: 1

Prerequisite: Digital Photography 1

Law Enforcement 1

This course investigates the history, role and philosophy of law enforcement and constitutional law. Students will demonstrate safety precautions, effective communication, investigative procedures and the basic skills used in patrol functions, defensive tactics, and use of force. Students participate in numerous practical exercises related to Law Enforcement, including arrest techniques, traffic stops, field interviews and other realistic scenarios.

Grades: 10-12

Credits: 1

Prerequisite: None

Law Enforcement 2

In Law Enforcement 2 students continue to learn the skills needed to serve and protect their community. Students will also earn their First Aid and CPR Certifications. Upon completion of this two-year program, students earn an industry certification as a Certified Protection Officer. Students are members of SkillsUSA, the professional Career and Technical Student Organization for students interested in a career in law enforcement, safety and security.

Grades: 10-12

Credits: 1

Prerequisite: Law Enforcement 2

Medical Professions

An introduction to health careers including basic information such as ethics, professional conduct, infection control, safety, communication and job skills. Some hands-on skills will be taught and some class time will be spent in specialty areas of a healthcare facility and/or public health agency.

Grades: 10-12

Credits: 1

Prerequisite: None

Mental Health 1 - Cochise College PSY103 & PSY101

This course is offered through a partnership with Cochise College and Cochise Technology District CTED. The MSHT Program prepares students to work in mental and social health services careers. The first semester is PSY 103, Foundations of Psychology, a study of the basic theoretical principles of psychology and their applications to human behavior and growth. Students explore psychology as a practical science and examine how psychological research can lead to improved personal and professional relationships. The second semester is PSY 101, Introduction to Psychology, a study of psychology, its history, and its research methods. Topics include sensation and perception, consciousness, learning, memory, motivation and emotion, lifespan development, and personality. The class also covers biopsychology, social psychology, abnormal behavior, and therapy. Students are members of HOSA, the Career and Technical Student Organization for healthcare students.

Grades: 11-12

Credits: 1; 6 college credits

Prerequisite: Must meet Cochise College requirements; see counselor. Recommend taking ENG 101 concurrently or in summer prior to year 2 of program.

Student Fee: \$120 (\$60 per semester)

Mental Health 2 - Cochise College PSY204 & PSY270

This course is offered through a partnership with Cochise College and Cochise Technology District. The first semester is PSY 240, Developmental Psychology, a sequential study of the human lifespan, from conception through death, emphasizing theories and applications in the biological, cognitive, psychoanalytic, and psychosocial domains. The second semester is PSY 270, Abnormal Psychology, an examination of various psychological disorders which includes theoretical, clinical, and experimental perspectives on the study of abnormal psychology. Emphasis is on terminology, classification, etiology, assessment of symptoms, and therapeutic techniques for the treatment of the major disorders. Students are members of HOSA, the Career

and Technical Student Organization for healthcare students.

Grades: 12

Credits: 1; 6 college credits

Prerequisite: ENG 101 and successful completion of Mental Health I.

Student Fee: \$120 (\$60 per semester)

Electives

Student Government (StuGo)

This course will allow students to analyze and to develop leadership skills of resource management, organization, oral and written communication, team building, leading school/community activities, service projects, and student government functions. Their performance will be continuously evaluated and monitored by the instructor.

Grades: 9-12

Credit: ½

Prerequisite: None

Physical Education

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Grades: 9-12

Credit: 1

Prerequisite: None

Physical Education, Sports

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Grades: 9-12

Credit: 1

Prerequisite: None

Teacher Aide

Students will assist the teacher with various tasks.

Grades: 9-12

Credits: ½ (per semester)

Prerequisite: None

English

English 9

This course includes narrative writing, essay writing, discussion skills, the study of grammar, vocabulary and the completion of a research paper. Students will focus on learning how to pull evidence from readings, analyze texts, and craft quality forms of writing.

Grades: 9

Credit: 1

Prerequisites: None

English 10

This course will include a strong focus on the use of the writing process. In addition, this course will cover grammar, vocabulary and reading comprehension. Students will build on the skills they have developed from English 1 at a deeper level of thinking and understanding.

Grades: 10

Credit: 1

Prerequisite: English 9

English 11

Students will refine their persuasive, narrative, and expository writing. Students will continue to work with research techniques and will use rubrics to analyze literary selections. They will continue to build their skills in using information from text to form arguments.

Grades: 11

Credit: 1

Prerequisite: English 10

English 12

This course students will expand their knowledge of critical and analytical writing. Students will continue to craft quality argumentative, informative, and narrative writing tasks. Students will improve skills in planning, drafting and revising essays.

Grades: 12

Credit: 1

Prerequisite: English 11

Humanities

Art

Band 1 is intended for students who are playing a musical instrument at a beginner or intermediate level.

Students will learn how to read and play music, music theory, and participate in programs.

Grades: 9-12

Credit: 1 Credit

Prerequisite: None

Fees: \$35

Band 1

Band 1 is intended for students who are playing a musical instrument at a beginner or intermediate level.

Students will learn how to read and play music, music theory, and participate in programs.

Grades: 9-12

Credit: 1 Credit

Prerequisite: None

Fees: \$35

Band 2

Band 2 is for students who already have an understanding of basic music reading, instrument assembly and maintenance, correct playing position and sound tone production. Instruction offers continued focus on the refinement of tone quality, technique, aural skills and music literacy. Similarly, select students may have the opportunity to transition to instruments that may not have been offered in previous school experiences

Grades: 9-12

Credit: 1 Credit

Prerequisite: Band 1

Fees: \$35

Band 3

Band 3 is for advanced students who have a solid understanding of music reading, instrument assembly and maintenance, correct playing position and sound tone production. Instruction offers continued focus on the refinement of tone quality, technique, aural skills and music literacy. Similarly, select students may have the opportunity to transition to instruments that may not have been offered in previous school experiences.

Grades: 10-12

Credit: 1 Credit

Prerequisite: Band 2 or Teacher Approval

Spanish 1

Students will develop primary listening and speaking skills while learning correct pronunciation and intonation of the Spanish Language. Vocabulary, grammar, oral, and audio activities are used to accomplish this goal. Some geography, culture, and history will also be covered.

Grades: 9-12

Credit: 1

Prerequisite: None

Spanish 2

Students will improve and expand listening and speaking skills through emphasis on pronunciation and intonation of the Spanish language. Students will continue to improve communication skills in Spanish and further their knowledge.

Grades: 10-12

Credit: 1

Prerequisite: Spanish 1

Yearbook

Students will practice photography skills. They will work on taking pictures and organize them to form the yearbook.

Grades: 10-12

Credit: 1

Prerequisite: None

Mathematics

Algebra 1

This course covers the terms used in algebra, simplification of rational expressions, operations with real numbers, operation with polynomials, factoring, equations, inequalities, word problems, open sentences in two variables, irrational numbers, and the quadratic formula. This course will also cover content necessary to prepare for Algebra 2.

Grades: 9

Credit: 1

Prerequisite: None

Algebra 2

This course covers a review of Algebra 1, the use of proofs in algebra, inequalities, systems in two and three variables, graphing on the coordinate system, operations of polynomials, solving equations (linear and quadratic) and word problems.

Grades: 9-10

Credit: 1

Prerequisite: Algebra 1

Business Math

This course examines the fundamentals of business mathematics and the use of the number language to communicate in the business world.

Grades: 11-12

Credit: 1

Prerequisite: Algebra 2

Geometry

In this course, students will learn how to use mathematical tools to investigate geometric principles and relationships. Topics of study will contain theorems, axioms, postulates, triangles (congruent and similar). Polygons, circles, quadrilaterals, parallel lines, proofs, right triangles (congruent and similar) and formulas (perimeters, areas, volumes).

Grades: 10-11

Credit: 1

Prerequisite: Algebra 2

College Algebra/Trigonometry

Following Algebra 2, this course will cover the study of logarithms and trigonometry (using tables and calculators) and trigonometric proofs of functions of single, double, and half-angles. The students will analyze and graph mathematical functions.

Grades: 11-12

Credit: 1

Prerequisite: Algebra 2 with at least a B grade

Science

Astronomy

An introduction to fundamental concepts and principles of biology, including the scientific method, cell structure and function, and ecology; major taxonomic groups of plants and animals will be examined.

Grades: 10+

Credit: 1

Prerequisites: None

Biology

An introduction to fundamental concepts and principles of biology, including the scientific method, cell structure and function, and ecology; major taxonomic groups of plants and animals will be examined.

Grades: 10+

Credit: 1

Prerequisites: None

Chemistry

An introduction to the principles of chemistry, including nomenclature; solving chemical equations; atomic and molecular structure; periodic table; the nature of solids, liquids and gases; energetic; and reactions of common chemicals. Substantial application of basic algebra is required during the course.

Grades: 10-12

Credits: 1

Prerequisites: Algebra 1 with a grade of a B or better

Earth Science

An examination of the major forces affecting the earth, including weather, climate, soil & rock formation, water cycle, and plate tectonics. An overview of the solar system will also be covered.

Grades: 9-11

Credits: 1

Prerequisites: None.

Social Studies

Economics

Students will study both general theory and specific real-world applications to understand the economic functions of our society. Topics covered include basic concepts of workings of markets, supply, demand, fiscal, and monetary policy, and governmental roles.

Grades: 10-11

Credit: ½ (semester course)

Government

This course will focus on America's democratic principles and values. Students will be able to identify and describe interactions among branches of government. Students will learn and identify how the Constitution shaped our country as well as identify a citizen's civic duty.

Grades: 10-11

Credit: ½ (semester course)

US History

Students will study the development of cultural, social, political and economic themes from the colonial era to present day America. The class will use research skills as well as critical thinking skills to draw connections between past and current events.

Grades: 11

Credit: 1

US History, Advanced

Students will explore events of U.S. history through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources. Students will also develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S. role in the world.

Grades: 11-12

Credits: 1

Prerequisite: Teacher Request

World History

Students will study the history of ancient world civilizations, their political systems, geography, and economic structures. Students will also study the effects the early civilizations have on the current world.

Geography will be a component of the studies within this class.

Grades: 9

Credit: 1/2

Prerequisite: None