



# Oliver Springs High School

## 2022-23 Course Catalog

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### Graduation Requirements:

<p><b>English - 4 credits</b></p> <p>Must include English I, English II, English III, or English IV.</p> <p>May take DE English Composition I &amp; II senior year to fulfill English IV credit.</p>	<p><b>Math - 4 credits</b></p> <p>Must include Algebra I, Geometry, Algebra II, &amp; an additional higher math course.</p> <p>Those completing Algebra I in middle school or that doubled up in math during a school year must complete 2 additional higher math courses.</p>	<p><b>Science - 3 credits</b></p> <p>Must include Biology, Chemistry, &amp; an additional science course.</p>	<p><b>Social Studies - 3 credits</b></p> <p>Must include World History, U.S. History, Economics (½ credit), &amp; U.S. Government &amp; Civics (½ credit)</p>
<p><b>Lifetime Wellness, Personal Finance (½ credit), &amp; P.E. (½ credit) - 2 credits</b></p> <p>Students may substitute participation in the marching band or a team sport for the ½ credit P.E. requirement.</p>	<p><b>Fine Arts &amp; Foreign Language - 3 credits</b></p> <p>Must include 1 credit of Fine Arts (Band, General Music, Media Arts, or Theatre Arts) &amp; 2 credits of Foreign Language (Spanish I &amp; II).</p>	<p><b>Elective Focus Courses - 3 credits</b></p> <p>All 3 credits must come from the same Elective Focus area. The Elective focus may be in math &amp; science, humanities, fine arts, AP/Dual Credit, or from a CTE area. Current Elective Focuses offered are discussed on the Pre-Registration Worksheet</p>	<p><b>Other Electives - 8 credits</b></p> <p>The other 8 remaining credits do not necessarily need to come from your Elective Focus area.</p> <p><b>NOTE:</b> For the Class of 2023, only 7 credits of general electives are required</p>

In addition to earning the above requirements (which may be modified for some students with IEPs), students must take the ACT prior to graduation, must take & pass the Roane County District Wide Civics Test (taken in conjunction with the U.S. Government & Civics course), & have a satisfactory record of attendance & discipline.

## **ENGLISH COURSES:**

### **English I (1 credit)**

This is a freshman-level survey course of literature & writing. This course is a graduation requirement.

### **English II (1 credit)**

This is a sophomore-level survey course of literature & writing. This course is a graduation requirement.

### **English III (1 credit)**

This is a junior-level survey course of writing & American literature. This course is a graduation requirement.

### **English IV (1 credit)**

This is a senior-level survey course of writing & British literature. This course is a graduation requirement.

### **DE English Composition I & DE English Composition II (2 credits)**

This is a dual enrollment English composition course taught by an instructor from Roane State Community College that earns both high school & college English credit simultaneously. In order for this course to fulfill the English IV requirement, seniors must complete both DE English Composition I & II. This course is intended for students that earned at least an 18 on the English component of the ACT & a 19 on the Reading component of the ACT. Enrollment is subject to teacher recommendation & approval.

### **SDC Speech & Communications (1 credit)**

This junior- & senior-level statewide dual credit course is a college-level introductory speech & communication course that develops interpersonal, small group, & public speaking & communication skills. This course is highly recommended for college-bound students. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee. Enrollment is subject to teacher recommendation & approval.

### **Journalism I/Newspaper 1st Semester (1 credit)**

This is a junior- & senior-level course that is responsible for creating & distributing the school's newspaper. This course will develop students' skills in writing & editing stories, & teach students the principles of production design, layout, & printing. To take Newspaper year long, you must also enroll in Journalism II. Enrollment in this course is subject to teacher recommendation & approval.

### **Journalism II/Newspaper 2nd Semester (1 credit)**

This is a junior- & senior-level course that is responsible for creating & distributing the school's newspaper. This course will develop students' skills in writing & editing stories, & teach students the principles of production design, layout, & printing. To take Newspaper year long, you must also enroll in Journalism I. Enrollment in this course is subject to teacher recommendation & approval.

## **MATHEMATICS COURSES:**

### **Algebra I (1 credit)**

This is a course that contains the language, notation, & application of basic algebraic skills. This course is a graduation requirement.

### **Algebra I A (1 credit)**

This is a course that contains the language, notation, & application of basic algebraic skills for certain students with IEPs.

### **Algebra I B (1 credit)**

This course is a continuation of the language, notation, & application of basic algebraic skills from Algebra I A for certain students with IEPs.

### **Algebra II (1 credit)**

This course is an extension of the skills first learned in Algebra I. This course is a graduation requirement. Prerequisite of Geometry.

### **Applied Math Concepts (1 credit)**

This senior-level course fulfills the senior year math requirement & is intended for students who scored between 19 & 22 on the math component of the ACT. Applications & modeling using mathematics skills is the primary focus of this course.

### **Calculus AB & AP Calculus BC (2 credits)**

This senior-level advanced course fulfills the senior year math requirement & is intended for students that took Pre-Calculus as a junior & scored a 22 or higher on the math component of the ACT. In the first semester, students take Calculus AB & during the second semester, students take AP Calculus BC. College credit can be earned with a high enough score on the AP exam at the end of the academic year. Subject to teacher recommendation & approval. Prerequisite of SDC Pre-Calculus.

### **Geometry (1 credit)**

This course is constructed to teach understanding properties, relationships, & geometric reasoning of 1, 2, & 3 dimensional figures. This course is a graduation requirement. Prerequisite of Algebra I

### **Geometry A (1 credit)**

This course is constructed to teach understanding properties, relationships, & geometric reasoning of 1, 2, & 3 dimensional figures for certain students with IEPs.

### **Geometry B (1 credit)**

This course is a continuation of the understanding of properties, relationships, & geometric reasoning of 1, 2, & 3 dimensional figures from Geometry A for certain students with IEPs.

**SDC Pre-Calculus (1 credit)**

This statewide dual credit course includes the content of a college course in analytical geometry and functions. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee. Prerequisite of Algebra II.

**DE Statistics (1 credit)**

This is a dual enrollment Introduction to Probability & Statistics course taught by an instructor from Roane State Community College that earns both high school & college mathematics credit simultaneously. This course fulfills the senior year math requirement & is intended for students who scored a 22 or higher on the math component of the ACT. Subject to teacher recommendation & approval. Prerequisite of SDC Pre-Calculus.

**SDC Statistics (1 credit)**

This senior-level statewide dual credit course includes the content of an introduction to probability & statistics college course. This course fulfills the senior year math requirement & is intended for students who scored between a 19 & 22 on the math component of the ACT. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee.

**Sails Statistics (1 credit)**

This senior-level course includes the content of an introduction to probability & statistics college course. This course fulfills the senior year math requirement & is intended for students that have not earned at least a 19 on the math component of the ACT. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee.

## **SCIENCE COURSES:**

### **Biology I (1 credit)**

This is a sophomore-level laboratory science course exploring biological concepts through an inquiry approach. This course is a graduation requirement.

### **Biology I A (1 credit)**

This is a laboratory science course exploring biological concepts through an inquiry approach for certain students with IEPs.

### **Biology I B (1 credit)**

This is a continuation of the exploring of biological concepts through an inquiry approach from Biology I A for certain students with IEPs.

### **AP Biology (1 credit)**

This advanced placement (AP) course is the equivalent of a college introductory biology course. College credit can be earned with a high enough score on the AP exam at the end of the academic year. Enrollment subject to teacher recommendation & approval. Prerequisite of Biology I.

### **Chemistry (1 credit)**

This is a junior-level laboratory science course in which the students investigate the composition of matter and the physical and chemical changes it undergoes. This course is a graduation requirement. Prerequisite of Biology.

### **Earth & Space Science (1 credit)**

This freshmen- & sophomore-level laboratory science course examines the role of Earth's place in the universe, the interplay of Earth's systems, & the interrelationships between Earth's systems & human activity. This course fulfills the additional lab science graduation requirement.

### **Ecology (1 credit)**

This freshmen-level laboratory science course provides students with an opportunity to develop an understanding of interrelationships in the natural world in addition to allowing them to analyze human impacts. This course fulfills the additional lab science graduation requirement.

### **Environmental Science (1 credit)**

This junior- & senior-level laboratory science course allows students to identify natural & man-made environmental problems & design & evaluate possible solutions for these problems. This course fulfills the additional lab science graduation requirement.

### **Physical World Concepts (1 credit)**

This freshman- & sophomore-level laboratory science course is designed to provide a strong foundation for all students taking higher level science courses through ensuring that students understand how the physical world functions. This course fulfills the additional lab science graduation requirement.

## **SOCIAL STUDIES COURSES:**

### **Contemporary Issues** (½ credit or 1 credit)

This freshman-level course uses inquiry skills to learn about the issues that impact the contemporary world & engage in research & problem solving in order to better understand & access significant current issues. May be taken for a full credit or as a ½ credit in conjunction with another ½ credit course.

### **Economics** (½ credit)

This senior-level 9 Weeks course investigates the allocation of scarce resources & the economic reasoning used by people & nations, & explores various economic concepts. This course is a graduation requirement.

### **Great Battles** (1 credit)

This is a survey course dealing with military confrontations that resulted in profound political consequences, from antiquity to the modern era. This course is intended for all grade levels.

### **SDC Psychology** (1 credit)

This sophomore-, junior- & senior-level statewide dual credit course studies human behavior, mental processes, & behavior theory as it relates to individuals at a college-level. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee. This course is intended for juniors & seniors, or sophomores having previously taken Psychology.

### **Tennessee History** (1 credit)

This course deals with the history of Tennessee, including the cultural, geographic, economic, & political influences upon that history. This course is intended for all grade levels.

### **U.S. Government & Civics** (½ credit)

This senior-level 9 Weeks course investigates the purposes, principles, & practices of the U.S. government as established by the Constitution. This course is a graduation requirement.

### **SDC U.S. History & Geography** (1 credit)

This junior-level statewide dual credit course is a survey course covering the U.S. History & Geography since the Reconstruction period. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee. This course is a graduation requirement.

### **World Geography** (1 credit)

This course examines the global perspectives, basic concepts, & fundamental questions of geography. This course is intended for all grade levels.

### **World History & Geography** (1 credit)

This sophomore-level course is a survey course covering World History & Geography since the 1750s. This course is a graduation requirement.

## **FINE ARTS COURSES:**

### **General Music (1 credit)**

This is a course for a non-musician that explores the role music plays in our lives, a basic introduction to music theory, & an exploration of the evolution of music over time. This course is intended for all grade levels. This course meets the fine arts graduation requirement.

### **Instrumental Music/Marching Band 1st Semester (1 credit)**

This course is for all members of the OSHS marching band, which takes place during the fall semester. Reading of music & playing of a musical instrument is necessary for this course. Individual practice, after-school practice & rehearsal sessions, & performances are required for this course. This course is intended for all grade levels. This course meets the fine arts graduation requirement.

### **Instrumental Music/Concert Band 2nd Semester (1 credit)**

This course focuses on preparation for & performance of concert band performance, which takes place during the spring semester. Reading of music & playing of a musical instrument is necessary for this course. Individual practice, after-school practice & rehearsal sessions, & performances are required for this course. This course is intended for all grade levels. This course meets the fine arts graduation requirement.

### **Media Arts (1 credit)**

This course is a student led class that allows students to become familiar with media & art in the digital world. Students complete hands-on units about advertising & social media, photography, movie production, Copyright and Fair Use laws, & art in the digital age. This course is intended for all grade levels. This course meets the fine arts graduation requirement.

### **Theatre Arts (1 credit)**

This course is offered to students, with or without experience, who want to learn about acting, set design, lighting design, & costume design. This course is intended for all grade levels. This course meets the fine arts graduation requirement.

## **FOREIGN LANGUAGE COURSES:**

### **Spanish I (1 credit)**

This is a sophomore-level course where students acquire command of basic Spanish vocabulary & language structures through listening, speaking, reading, & writing activities. This course is a graduation requirement.

### **Spanish II (1 credit)**

This is a junior-level course where students further acquire command of basic vocabulary & language structures through listening, speaking, reading, & writing activities. This course is a graduation requirement. Prerequisite of Spanish I.

## **ACT PREP, LIFETIME WELLNESS, PERSONAL FINANCE, & PHYSICAL EDUCATION COURSES**

### **ACT Prep (½ credit)**

This is a junior-level course that will prepare students to take the ACT given in their junior year. This course will provide an overview of the test, practical test taking strategies, & opportunities to take full-length practice ACT tests. This course is taken in conjunction with another ½ credit course.

### **Lifetime Wellness (1 credit)**

This is a freshmen-level course that provides a holistic approach to health & lifetime physical activities, which encompasses the physical, mental, social, & personal needs of the individual. This course is a graduation requirement.

### **Personal Finance (½ credit)**

This junior-level course 9 Weeks course where students learn how careers & education impact future earnings. Students will also create household budgets & evaluate the real cost of borrowing & credit. This course is taken in conjunction with another ½ credit course. This course is a graduation requirement.

### **Physical Education I (½ credit or 1 credit)**

This course is designed to practice & develop skills in activities that will help students maintain fitness throughout their life. May be taken for a full credit or as a ½ credit in conjunction with another ½ credit course. This course is intended for all grade levels. This course fulfills the additional ½ credit of physical education graduation requirement.

### **Physical Education II/Weightlifting (1 credit)**

This course gives students the opportunity to learn weight training concepts & techniques used for obtaining optimal physical fitness. May be taken for a full credit or as a ½ credit in conjunction with another ½ credit course. This course may be taken by juniors, & seniors. This course fulfills the additional ½ credit of physical education graduation requirement.

**CAREER & TECHNICAL EDUCATION**  
**(CTE) COURSES:**

**DE Anatomy & Physiology (1 credit)**

This dual enrollment course taught by a TCAT instructor is designed to help students utilize prior knowledge from Health Science & Medical Therapeutics to be able to identify & understand the structure & function of all body systems & relate those to pathophysiology. Must be taken in conjunction with DE Nursing Services. Prerequisite of Health Science & Medical Therapeutics.

**Business Communication/Yearbook 1st Semester (1 credit)**

This course is responsible for creating the school's yearbook during the 1st semester. The course will teach students the principles of production, design, layout, & printing. Photography, photojournalism, & digital technology skills additionally will be utilized. To take Yearbook year long, you must also enroll in Business Management. Enrollment subject to teacher recommendation & approval.

**Business Management/Yearbook 2nd Semester (1 credit)**

This course is responsible for creating the school's yearbook during the 2nd semester. The course will teach students the principles of production, design, layout, & printing. Photography, photojournalism, & digital technology skills additionally will be utilized. To take Yearbook year long, you must also enroll in Business Communication. Enrollment subject to teacher recommendation & approval.

**Computer Applications (1 credit)**

This course is designed to develop the basic computer skills that will help students in high school, college, & the workplace. Students will gain proficiency in Google G Suites & Microsoft Office. This course is intended for all grade levels.

**AP Computer Science Applications (1 credit)**

This advanced placement (AP) computer programming course is meant to be an equivalent of a course in college computing. The course emphasizes object-oriented programming & design using the Java programming language. College credit can be earned with a high enough score on the AP exam at the end of the academic year. This course is intended for juniors & seniors. Prerequisite of AP Computer Science Principles.

**AP Computer Science Principles (1 credit)**

This advanced placement (AP) computer programming course is meant to be the equivalent of a first-semester course in college computing. The course will develop computational thinking skills vital for success across disciplines. College credit can be earned with a high enough score on the AP exam at the end of the academic year. This course is intended for sophomores, juniors & seniors.

**Digital Electronics (1 credit)**

provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. Prerequisite of Principles of Engineering & Technology.

**Fundamentals of Construction** (1 credit)

This introductory course provides students with essential knowledge, skills, & concepts required for careers in construction. Students will be able to employ tools safely & interpret construction drawings to complete projects demonstrating proper measurement & application of mathematical concepts. This course is intended for all grade levels.

**Introduction to Teaching as a Profession** (1 credit)

This course is intended for students interested in learning more about becoming a teacher, school counselor, trainer, librarian, or speech-language pathologist. This course may be taken by juniors & seniors.

**Health Science** (1 credit)

This sophomore-level introductory course taught by an TCAT instructor acquaints the student with beginning principles of health care, services offered by health care systems, careers in the healthcare industry, the fundamentals of nutrition, & basic patient care services. Must be taken in conjunction with Medical Therapeutics.

**SDC Introduction to Business** (1 credit)

This junior- & senior-level statewide dual credit course allows students to learn the basic functions of business regarding management, marketing, leadership, & finance. Students will be given the opportunity to earn college credit if they pass a challenge exam issued by the State of Tennessee.

**Introduction to Human Studies** (1 credit)

This introductory course is for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course will develop student understanding of human needs, overview of social services, career investigation, mental health, & communication. This course is intended for all grade levels.

**DE Machining Technology** (1 credit)

This dual enrollment course taught by a TCAT instructor & focuses on developing essential skills necessary to be effective in manufacturing production work. May be taken 3 times to earn credit toward TCAT certification. This course is intended for sophomores, juniors, & seniors.

**Medical Therapeutics** (1 credit)

This sophomore-level course taught by a TCAT instructor is designed to focus on the therapeutic & nursing services in healthcare. Upon completion of this course a proficient student will have knowledge of therapeutic careers in healthcare, be able to access, evaluate, report, & monitor patient status & understand the purpose & use of various treatments. Must be taken in conjunction with Health Science.

**DE Nursing Services** (1 credit)

This dual enrollment course taught by a TCAT instructor will give the student the skills necessary to become a certified nursing assistant (CNA) that takes care of patients' basic needs & provides support to other medical professionals. Students are introduced to a variety of health-related topics, especially the role of the nursing assistant in the overall nursing process. Students must pass their state competency exam to get the title of CNA. Must be taken in conjunction with DE Anatomy & Physiology. Prerequisite of Health Science & Medical Therapeutics.

**Nutrition Across the Lifespan (1 credit)**

This course is designed for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursuing a variety of scientific, health, or culinary arts professions. This course will develop student understanding of human anatomy & physiological systems, nutrition requirements, & social, cultural, & other impacts of food preparation & integrity. This course is intended for all grade levels.

**TSIC Nutrition Science & Diet Therapy (1 credit)**

This course develops applied knowledge in nutrition for students interested in the role of nutrition in health & disease. This course covers the development of a nutrition care plan as part of the overall health care process. Methods for analyzing the nutritional health of a community are explored. The relationship of diet & nutrition to specific diseases will be researched including the role of diet as a contributor to disease & its role in the prevention & treatment of disease. This course is intended for juniors & seniors. Prerequisite of Nutrition Across the Lifespan.

**Principles of Engineering & Technology (1 credit)**

This introductory course allows students to evaluate existing engineering designs, use sketching & drawing techniques, & complete simple design projects. Upon completion of this course, proficient students are able to identify & explain the steps in the engineering design process. This course is intended for all grade levels.

**Residential & Commercial Construction I (1 credit)**

This course builds on the knowledge & skills learned in Fundamentals of Construction. This course is intended for sophomores, juniors, & seniors. Prerequisite of Fundamentals of Construction.

**Residential & Commercial Construction II (1 credit)**

This course builds on the knowledge & skills learned in both Fundamentals of Construction & Residential & Commercial Construction I. This course is intended for sophomores, juniors, & seniors. Prerequisite of Residential & Commercial Construction I.

**Robotics (1 credit)**

This is an applied course for students who want to explore how robots & automated systems are used. This course may be taken by sophomores, juniors, or seniors. Prerequisite of Principles of Engineering & Technology.

**Teaching as a Profession I (1 credit)**

This is an intermediate course for students interested in learning more about professions in education. This course covers components of instruction, teaching strategies, types of assessments, student learning, special populations, & educational technology. This course may be taken by juniors & seniors. Prerequisite of Fundamentals of Education.

**Work-Based Learning (1 credit)**

This allows students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education & future careers through experiences like internships, apprenticeships, & paid work experience. Must also take a CTE course in a discipline related to the intended work-based learning experience. This is intended only for seniors.