

Lynden Christian High School

2026-2027

Course Catalog



LCHS Course Offerings by Department

Agricultural Science & Industrial Fabrication	Students are required to earn 1.5 credits (3 semesters) in Career & Technical Education over their High School career. 0.5 Credits of Technology, 0.5 Credits of Business and 0.5 Credits of either Home & Family or Vocational Agriculture. These credits can be earned through the courses offered in the Computer Science & Engineering or Home & Family or Vocational Agriculture department.
<u>3D CAD (3-Dimensional Computer-Aided Design)</u> Grade Level: 9 10, 11, 12 Credit: 0.5 CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	3D CAD is a one-semester introductory course that will expose students to a variety of practices and processes to achieve a three-dimensional product. In this course, students will be learning Fusion360 from Autodesk. Engineering aspects of design will encompass the tools and equipment, including manual mills, CNC machines, and 3D printers, and how they affect the materials utilized that will apply in a variety of trades. <i>For this class, it is recommended to have a computer with an Intel i5 and 4 GB of RAM or better.</i>
<u>Animal Science</u> Grade Level: 10, 11, 12, *9th with Instructor approval Credit: 0.5 Science Prerequisite: Biology A	This course will introduce the foundational concepts of experience in the field of Animal Science and Medicine. As part of the Christian mandate to care for creation, students will explore the challenges and joys of agricultural animal care. Students in this course will have the opportunity to explore Animal Science careers, problem-solving, data analysis, various levels of terminology, and animal care through project-based learning, teamwork, and hands-on activities.
<u>Floral Design</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Students in this course will learn the basics of floral design, including principles and elements of color theory, tools of the trade, handling and flower identification, and how to cut flowers, principles of art applied to floral design, and the mechanics of floral design. Projects include various centerpiece arrangements, boutonniere and corsage designs, and holiday pieces. Students will also learn the business and financial aspects and careers related to the floral design industry. Agribusiness units will be introduced in advertising, sales, merchandising, and operating a retail floral business with the help of some local industry representatives.
<u>Horticulture</u> Grade Level: 9,10, 11, 12 Credit: CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Horticulture</i> is a one-semester course that deals with ornamental plants. The student will learn about soil, pH, water and fertilizers as they relate to plant growth. Reproduction and cultural practices are studied. Approximately one third of the time is spent in the greenhouse putting knowledge to work. The class also does service projects for others by helping with garden projects. The semester is completed with a plant sale.

<u>Industrial Trades</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Prerequisite: Mechanical Systems <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Industrial Trades is a one-semester course requiring completion of Mechanical Systems before enrolment. This class will build upon the skills learned in Mechanical Systems and is designed to make you successful in a trade that will have you wearing many hats.</i> In this course, students will gain experience with managing a project, starting with plans to material costs and budgets. Students will learn what it takes to get a project from conception to production. Emphasis will be placed on sourcing and ordering within budget, working within a set timeline, and driving the project through completion, including delegating or performing the work with an expectation of quality in attitude, integrity, and aesthetics. <i>It is recommended to have a computer with an Intel i5 and 4 GB of RAM or better for CAD software. Welding gloves, boots, toolbelt, and coveralls will also be needed.</i>
<u>Introduction to Agriculture</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 CTE Prerequisite: none	<i>Introduction to Agriculture is a one-semester course providing an overview of the field of agriculture. Units of study explore horticulture (potatoes, vegetables, apples, and berries) and livestock (beef, sheep, swine, horses, and goats). We also introduce the FFA program and teach leadership skills and parliamentary procedure. We use the local community to explore these various phases of agriculture by having speakers in class and taking field trips around our community.</i>
<u>Mechanical Systems</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Prerequisite: Welding <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Mechanical Systems is a one-semester course that will take you through the history, application, and the future of using mechanical aptitude to build onto the world in which God has provided for us. This class requires completion of Woodshop I & Welding for safety and familiarity of concepts in both shop spaces. We will start small and grow the concepts into equipment troubleshooting, disassembly, repairing and acquiring resources necessary to make those steps. In this course, you will be learning about engines, hydraulics, electrical and plumbing systems. This course takes academics to a practical application, expanding general knowledge and making connections to how they apply in the trades.</i> The skills learned in this class are practiced and could put you ahead in many fields including Agriculture, Automotive, Heating/Ventilation, Manufacturing, Mining, Refining, and General Repair. <i>It is recommended to have a computer with an Intel i5 and 4g of RAM or better for CAD software. Welding gloves, boots, and coveralls will also be needed.</i>
<u>Project Shop I & II A/B</u> Grade Level: 11, 12 Credit: 0.5/0.5 CTE Prerequisite: Construction Trades <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Project Shop I and Project Shop II are yearlong courses designed for students who have successfully completed the Mechanical Systems and Industrial Trades courses and seek an opportunity to have a long-term project. Students will be encouraged toward something meaningful that helps community or family.</i> <i>This could potentially be a yearlong project that must be fleshed out in a written plan including scaled and dimensioned drawings before commencing. Projects will be recorded throughout the process and final products displayed at the Lynden Fair and/or auctioned off through societal auctions.</i>

<u>Technology in Agriculture</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Business Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Technology in Agriculture is a one-semester that will expose students to a variety of different technology innovations that are being used in agriculture today. Specifically, the course will focus on three areas 1) Precision Agriculture – which will focus on soil sensors, drones for surveying fields, and GPS that aids in precise planting and watering of crops 2) Robotics – which will look at ways agriculture can incorporate robots into automating tasks that will increase efficiency 3) Data Analytics – which will focus on looking at and analyzing what the data that has been collected through technology is telling us. This course ties directly to the Agriculture Innovations Career Development Event in FFA.
<u>Welding</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Welding</i> is a one-semester course in welding and metal fabrication. After three weeks of classroom instruction including safety and welding techniques, the rest of the semester is spent learning welding skills in the shop. Areas to be covered include proper operation of equipment, Oxy/fuel, Sheet Metal Arc Welding, Gas Metal Arc Welding & Gas Tungsten Arc Welding. Students will also be introduced to Computer Numerical Control (CNC) plasma cutting. <i>This class requires a pair of welding gloves, boots, and coveralls.</i>
<u>Woodshop I</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Woodshop I</i> is a one-semester introductory course designed for students who wish to learn fundamental skills and how to design and build creative projects that utilize proper woodworking techniques. This class includes woodworking and project design, safety, proper use of tools, and equipment fundamentals of building construction. No prior shop experience needed.
<u>Woodshop II</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 CTE Prerequisite: Woodshop I or 8th grade Woodshop <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Woodshop II</i> is a one-semester course that builds upon the skills and experiences gained in the Woodshop I course. The course is divided into Basics of carpentry and the other is guided by the interest of the student by way of a personal project where they can explore any of the many branches of woodworking, from wood turning to cabinet making and beyond.
<u>Worksite Learning Opportunity</u> Grade Level: 11, 12 Credit: 0.5 CTE Prerequisite: CTE Director & Counselor permission	<i>Worksite Learning:</i> Students may earn credit for learning done through an approved worksite learning program. Currently, Lynden Christian has worksite learning opportunities through Lynden Door's Technique Program, Andgar and Carl's Mower & Saw. Other opportunities exist at other companies. Please see CTE Director or Counselor for more information and how to apply.

Art	Students are required to earn 2.0 credits (4 semesters) of Fine Arts over their High School career. Fine Arts credit can be earned through the Art department and Music department.
<u>Introduction to Art</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Art begins with the theme, "In the beginning God created..." (Genesis 1:1) and "So God created man in His own image" (Genesis 1:27). As image bearers of God, we also are creative beings, who need to develop our creativity. Throughout this one-semester course, basic principles—line, shape, form, texture, and color are taught to enable development throughout all future art classes. A variety of media are explored—pencil, ink, collage, clay, etc. Students will become acquainted with these art materials and principles of art by working with them and seeing them in the work of others. Students will learn a variety of techniques (the way a medium is used), and applications (the procedure of making art using a particular medium). Class time will be spent in a combination of teacher presentations, demonstrations, and studio work. Students will also partake in art evaluations and the exploration of art history.
<u>Intermediate Art</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Introduction to Art <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Intermediate Art</i> builds on skills learned in <i>Intro to Art</i> with more extensive lessons in Drawing, Painting, Sculpture, Ceramics, Art Aesthetics, and Art History. In this one-semester course, class time will be spent in a combination of teacher presentation, demonstrations, and studio work. We see God's planned order all around in the natural world — a structure of rules governs the physical world. We can depend on this structure. For example, red + yellow = orange. ALWAYS!! We respond to the gift of God's creation by learning all we can about it, the vocabulary, the rules, its limitations, the care of it and by enjoying it and using it to create new things.
<u>Advanced Art</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Intermediate Art <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In this one-semester course, students will continue to strengthen their creative muscle by stretching and exercising it through creating personal art projects. Students will be required to plan, research, and carry out art projects according to an approved calendar worked out between the teacher and student. Evaluation will be carried out week by week as documented in student journals. <i>Advanced Art</i> can be repeated by students who demonstrate concerted effort and desire to develop their talents.
<u>Advanced Art – Mural Painting</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Intermediate Art <i>*This course is offered during odd graduation years</i> <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In this one-semester course, students will expand on painting techniques to support the production of a site specific and collaborative mural art painting at Lynden Christian Schools. It offers students an experience in collaboration with other artists as well as with a "client" (the recipient of the mural art). The following will be expected in this class: harmonious teamwork, site & client meetings, presentation of the design to client, translation of design to site wall, actual production of artwork via team, managing set up/ clean-up/ take down per each work session, documenting the painting progress, and meeting the completion deadline.

<u>Advanced Art – Sculpture</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Intermediate Art <i>*This course is offered during even graduation years</i> <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In this one-semester course, students will learn about various techniques to address three-dimensional form by designing and creating dynamic sculptures in a variety of media, including cardboard, wood, and metal. This course challenges students to think about space as part of the solution to open-ended problems based on classic and contemporary art.
<u>AP Studio Art A/B</u> Grade Level: 11, 12 Credit: 0.5/0.5 Fine Arts Prerequisite: Intermediate Art <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This year-long course is intended for students who have expressed an interest in completing an AP Drawing, AP 2-D Design, or AP 3-D Design Portfolio submission. This course encourages and expects the systematic investigation of formal and conceptual issues in Drawing, 2-D Design, or 3-D Design. All students will develop a portfolio that contains two sections: Sustained Investigation and Selected Works. Sustained Investigation is the exploration of different media and ideas, while Selected Works are the final five cohesive artworks that are sent in as part of the AP Art portfolio. Students will be expected to solve creative problems using their knowledge of elements and principles of design in Drawing, 2-D Design, or 3-D Design. Students will use a range of conceptual approaches as well as show technical skill in a possible variety of mediums and familiarity of traditional and contemporary approaches to art. Class assignments will challenge students to set and achieve creative goals. The expectation is that students will be involved in a constant exploration throughout the year of both aspects of portfolio development: Sustained Investigation and Selected Works.
<u>Filmmaking</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In Filmmaking, students experience both the creative and technical aspects of filmmaking in conjunction with learning about historical and contemporary traditions. Story writing, story-based display, basic visual composition, and general reproduction skills will be included with camera techniques, animation, and line action planning. Traditional filmmaking traditions may be extended with video and multimedia technologies. Interdisciplinary experiences and arts activities lead to refining a personal aesthetic, and a heightened understanding of career opportunities in art and arts-related fields. While learning the principles and techniques of the filmmaking process, students will be guided through the importance of this visual medium in the Christian worldview. They will also discuss a missional perspective of Christians in the industry.
<u>Floral Design</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In this one-semester course, students in this will learn the basics of floral design, including principles and elements of color theory, tools of the trade, handling and flower identification and how to cut flowers, principles of art applied to floral design, and the mechanics of flora design. Projects include various centerpiece arrangements, boutonniere and corsage designs, and holiday pieces. Students will also learn the business and financial aspects and careers related to the floral design industry. Agribusiness units will be introduced in advertising sales, merchandising, and operating a retail floral business with the help of some local industry representatives.

<u>Graphic Art</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Introduction to Art <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Intro to Graphic Art introduces students to the field of Graphic Design and Digital Art. This class covers the basics of Graphic Design, Illustration, Layout, Photography, Color Theory, and Project Ideation. How to create new ideas and skillfully recreate what we can see in our mind on the computer. In this class students will be given access to the full Adobe Creative Cloud Suite which they will be able to use throughout the remainder of their time at LCHS. This class teaches the functional use of Adobe Creative Cloud Suite and other industry standard design and illustration software.
<u>Advanced Graphic Art</u> Grade Level: 10, 11, 12 Credit: 0.5 Fine Arts Prerequisite: Graphic Art <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course is intended to allow you to further explore graphic art and your God given creativity. Advanced Graphic Art takes the skills, concepts, and software from the introduction class to the next level. Students learn more about the career possibilities and opportunities of the design industry. Students, for their primary project in this class, will be inventing clothing brands from the idea up and then creating designs, art, and media for that brand. They will choose a group of designs and products for their brand which will be placed in a print on demand store. Students will then create designs to promote their brand and see how different promotions directly affect their brand.
<u>Yearbook A/B</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 Fine Arts Prerequisite: Teacher Recommendation <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This year-long class aims to produce a yearbook that accurately records and reflects the events of the year at LCHS. Much time will be spent on choosing a theme and carrying it out throughout the book. Discussions to decide this will include the school's spiritual climate, history, changes, and its testimony to the faithfulness and grace of God. Students will learn basic photojournalism and will photograph assigned events using digital cameras. Adobe Photoshop will be used to size, crop, and correct photos before placing them digitally onto layouts. All pages will be designed using an online program designed by Jostens yearbook publishers. Each student will design, choose photographs for, and write or collect any copy needed for the pages they are assigned. Writing specifically for a publication will be taught—conducting an interview, creating surveys, writing effective headlines, subheadings, captions, and body copy. Students will learn and use appropriate procedures for conducting a business visit to garner advertisers. Grading is based on the quality of work and on meeting set deadlines.

Bible & Religion	Students are required to take 2.0 credits (4 semesters); 1 semester each year, over their High School Career.
<u>Christian Ethics</u> *Graduation requirement Grade Level: 9 Credit: 0.5 Bible & Religion Prerequisite: none	The purpose of this course is to challenge you to think with greater wisdom and clarity about your Christian faith and its intersection with contemporary life in the 21st Century. As you consider a variety of topics “through the eyes of faith”, you will grow in your critical thinking and communication skills and deepen your awareness and appreciation of God’s calling in your life. Through Bible studies, class discussions, activities, and reading assignments, you will better understand how the Christian life intersects with every square inch of God’s world and the culture in which we live.
<u>Bible History and the Church</u> *Graduation requirement Grade Level: 10 Credit: 0.5 Bible & Religion Prerequisite: none	The purpose of this class is to help you learn about the history of the Bible as well as redemptive history within the Bible itself. It will help you see how the Bible fits together as one story, or as Jesus puts it in Luke 24:44, that “everything written about me in the law, the prophets, and the Psalms must be fulfilled.” It is designed to help you grow in biblical literacy, expand your appreciation for the different expressions of the Christian faith, and encourage your personal devotion to Jesus.
<u>Christian Principles</u> *Graduation requirement Grade Level: 11 Credit: 0.5 Bible & Religion Prerequisite: none	The purpose of this class is to provide you with a deeper understanding of the Christian faith. It will equip you with a foundational knowledge of basic Christian theology, and encourage you to make meaningful, holistic connections between the content of this course and your personal growth as a disciple of Jesus Christ. Finally, this class will challenge you to become thoughtful and responsive readers of the Bible.
<u>World Views</u> *Graduation requirement Grade Level: 12 Credit: 0.5 Bible & Religion Prerequisite: none	This course has been designed to provide you with a deeper understanding of the most influential philosophies and religions in the world today; so that you will be better equipped to love your neighbor and engage the world with the hope of Christ. This course will also provide space for you to wrestle with (and discover answer to) many of the most common objections to the truth of the Christian worldview, and guide you towards discovering the many ways that Christianity provides a coherent and compelling framework for answering life’s deepest questions.
<u>Christ, Culture, and Media</u> Grade Level: 11,12 Credit: 0.5 Bible & Religion Elective Prerequisite: none	This class is designed to help students grow and mature into a perceptive Christian who can 1) identify and celebrate redemption and agape love as modeled by Christ in contemporary culture, 2) discern common idols of our contemporary culture, 3) articulate a biblical worldview while identifying some competing worldviews in our own culture, and 4) to meditate on what it means to be “in the world, but not of the world.” Students will also reflect on how the culture has shaped his or her own worldview while learning about the call in Scripture to be salt and light in the culture in which we live. Students will also be given intellectual keys to seeing how culture reflects the biblical narrative of creation-fall-redemption-consummation.

<u>Service and Leadership</u> Grade Level: 10,11,12 Credit: 0.5 Bible & Religion Elective Prerequisite: none	Service and Leadership is designed for students who want to grow, lead, and serve by using their gifts to make an impact both in and out of school. Rooted in the biblical call to be salt and light (Matthew 5:13–16), the course encourages students to actively serve God’s Kingdom while building confidence, character, and practical leadership skills.
Business	Students are required to earn 1.5 credits (3 semesters) of Career & Technical Education over their High School career. 0.5 Credits of Technology, 0.5 Credits of Business and 0.5 Credits of either Home & Family or Vocational Agriculture. These credits can be earned through the courses offered in the Computer Science & Engineering or Home & Family or Agricultural Science & Industrial Fabrication Department.
<u>Accounting</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Business Prerequisite: none	This course will teach students to apply accounting principles and implement accounting procedures. Students will interpret and analyze business papers and records in the capacity of consumer at home or employee-owner in the office enterprise. Students will use actual accounting forms and software to record business transactions for a service business that is organized as a sole proprietorship. They will be required to learn accounting terminology and understand accounting concepts, principles, and practices. In addition, students will study the relationship between accounting and business and explore career opportunities in the record keeping, bookkeeping, and accounting professions.
<u>Business Management</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Business Prerequisite: none	The focus of Business Management is to build a solid foundation of established business principles and practices that form the groundwork for all business operations. Business fundamentals such as economic, legal, and social foundations are presented along with a close look at organizing businesses, marketing products and services, financing operations, managing and developing employees, and making difficult business decisions in a dynamic, competitive atmosphere. This course provides important background for anyone considering a career in business.
<u>Marketing</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Business Prerequisite: none	Learn how effective marketing can make or break the success of a business. In this course, students explore many aspects of marketing such as product development, promotion, selling, merchandising, customer service, ethics, social responsibility and business fundamentals. Marketing principles are learned and applied through individual and group projects and guest speaker presentations. This hands-on class that provides a foundation for students planning to study business in college

<u>Personal Finance</u> Grade Level: 10 ,11, 12 Credit: 0.5 CTE Business Prerequisite: none	This course will introduce students to and help them develop a more comprehensive understanding of personal finance, the decisions and activities of an individual or family regarding their money including spending, saving, budgeting, giving and contentment. The decisions we make surrounding finances have a profound effect on the people we become and our relationships with others, including our God. Topics include budgeting, saving, giving, debt, credit, banking, insurance, investments, retirement planning, and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.
Computer Science & Engineering	Students are required to earn 1.5 credits (3 semesters) of Career & Technical Education over their High School career. 0.5 Credits of Technology, 0.5 Credits of Business and 0.5 Credits of either Home & Family or Vocational Agriculture. These credits can be earned through the courses offered in the Computer Science & Engineering or Home & Family or Vocational Agriculture department.
<u>Technology Connections</u> *Graduation requirement Grade Level: 9 Credit: 0.5 CTE Business Prerequisite: none	Technology Connections is a semester-long course designed to equip all 9th grade students with technology literacy skills needed to be successful in high school. Students will develop a familiarity with the language of technology and explore how computer technology can be integrated into other subject areas. Students will explore real-world scenarios that involve computer technology, focusing on Microsoft Word, Excel, and PowerPoint. Additionally, students will cover topics surrounding digital citizenship, cloud-based computing, and reinforce keyboarding skills. Students will have the ability to apply tools and resources learned in this course into other learning experiences encountered throughout their high school career and beyond.
<u>3D CAD (3-Dimensional Computer-Aided Design)</u> Grade Level: 9 10, 11, 12 Credit: 0.5 CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	3D CAD is a one-semester introductory course that will expose students to a variety of practices and processes to achieve a three-dimensional product. In this course, students will be learning Fusion360 from Autodesk. Engineering aspects of design will encompass the tools and equipment, including manual mills, CNC machines, and 3D printers, and how they affect the materials utilized that will apply in a variety of trades. <i>For this class, it is recommended to have a computer with an Intel i5 and 4 GB of RAM or better.</i>
<u>Technology in Agriculture</u> Grade Level: 10, 11, 12 Credit: 0.5 CTE Business Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Technology in Agriculture is a one-semester course that will expose students to a variety of different technology innovations that are being used in agriculture today. Specifically, the course will focus on three areas 1) Precision Agriculture – which will focus on soil sensors, drones for surveying fields, and GPS that aids in precise planting and watering of crops 2) Robotics – which will look at ways agriculture can incorporate robots into automating tasks that will increase efficiency 3) Data Analytics – which will focus on looking at and analyzing what the data that has been collected through technology is telling us. This course ties directly to the Agriculture Innovations Career Development Event in FFA.

English	Students are required to earn 4.0 credits (8 semesters) of English over their High School career. All courses support student development of reading, writing, speaking, thinking, and viewing skills necessary for school, work, higher education, and life. Honors courses provide smooth transitions into the rigors of Advanced Placement and UW College in the Classroom courses, in which students may earn college credit for meeting college-level expectations. Applications and summer reading assignments are required for entry into all advanced courses to ensure students are prepared for the challenges of the advanced course.
<u>Freshman English A/B</u> Grade Level: 9 Credit: 0.5/0.5 English Prerequisite: none	This course is designed to give students a solid foundation in the areas of writing, vocabulary, grammar, and critical analysis to prepare students for the rigors of high school and beyond. Students will analyze short stories, poetry, research, epic poetry (<i>The Odyssey</i>), drama (<i>Romeo and Juliet</i>), and novel (<i>Fahrenheit 451</i>), building up their critical thinking, writing, and speaking skills. Students will also analyze themselves through careful critical review of CliftonStrengths reports and various interviews and reflections on their past, present, and future as they discover their place and function in the body of Christ.
<u>Writing & Research A/B</u> Grade Level: 10 Credit: 0.5/0.5 English Prerequisite: Freshman English	Students will examine the essential questions of "Who am I, why am I here, and where am I going?" The primary focus of this year-long course is to educate the students to take evidence from various sources (research) and organize and present that research in a variety of modes including papers, presentations, speeches, and more. Students will be exposed to many multicultural sources including short stories, poems, interviews, films, historical documents, and artwork. A few of these main sources include <i>To Kill A Mockingbird</i> and <i>House on Mango Street</i>. Students are expected to complete a Career Research Project where they will research a possible future career choice and culminate the project with a speech. Not only will students be expected to synthesize others' work in research projects, but students will be expected to think deeply about their own identities and create original work in speaking, writing, presenting and other creative expressions. Students will be expected to understand best practices for each mode of communication and apply creative and technical skills to their work. Throughout the year, students will learn grammar and vocabulary.
<u>Honors Writing & Research A/B</u> Grade Level: 10 Credit: 0.5/0.5 English Prerequisite: B+ or higher in Freshman English <i>*Application and summer reading required</i>	Students will examine the essential questions of "Who am I, why am I here, and where am I going?" Designed to be academically challenging to provide a smooth transition into junior year CWU English 101 and later senior year CWU English 102 and 105, students will examine critical thinking in order to apply its skills and virtues over the rest of the year through thoughtful and thorough examination of a variety of literature (poems, short stories, <i>House on Mango Street</i>, <i>To Kill a Mockingbird</i>, <i>Lord of the Flies</i>, research) and careful and critical oral and written responses in light of the key questions. Students will develop in-depth research, interviewing, and public speaking skills during the career exploration and speech units.

<u>American Literature A/B</u> Grade Level: 11 Credit: 0.5/0.5 English Prerequisite: Writing & Research	This year long course covers the works of American literature in chronological order starting with the explorers and ending with modern and contemporary literature such as <i>The Crucible</i>, <i>The Great Gatsby</i>, <i>Of Mice and Men</i>, <i>A Raisin in the Sun</i>. Students study the varied works of nonfiction, fiction, and poetry in their historical contexts, tracing the development of American literature and the American Dream by showing the influence of history on literature and of literature on the course of history. The works are also studied in the context of the authors' and eras' world views, as a means of encouraging students to make connections to the problems of people past and present in order to better understand themselves, others, and God as they develop a biblical world and life view of their own. Responses to literature will take the form of a variety of writing activities, vocabulary study, creative writing, group and class discussions, group and individual presentations and speeches, argumentative and synthesis essays, and quizzes and tests.
<u>Advanced American Lit and CWU English 101</u> Grade Level: 11 Credit: 0.5/0.5 English Prerequisite: Mastery in sophomore-year English and department approval <i>*Application and summer reading required</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Advanced American Lit and CWU English 101 use American Literature to cultivate deeper reading and insightful writing. By the end of this school year, each student will have discovered the varied art of writing, reading, and interpretation. You will learn to see beyond a text and into authors' rhetorical situation, discovering their worldview and how the writers, composers, and artists of the Western tradition have shaped our perspectives of the world. Besides interpretation, we will examine novels, essays, speeches, music, and art to examine the patterns of this world, and in response to sharpen our own personal worldviews and to use these perspectives as starting points for developing our voices as readers, writers, and thinkers. This course has been designed to comply with the curricular requirements of CWU English 101 (https://www.cwu.edu/academics/specialized-programs/college-high-school/), a prerequisite for CWU 102 and 105. In the end, students will have gained sophisticated interpretation and communication skills that will prepare them for a rigorous academic future and help them become more intentional and thoughtful about the world around them, the true goal of education. Students desiring college credit for this course will receive information from the teacher regarding registration and college fees during the spring semester.
<u>Senior English A/B</u> Grade Level: 12 Credit: 0.5/0.5 English Prerequisite: American Literature or AP English Language	A year-long course, <i>Senior English</i> prepares students for the rigors of college or workplace through a culminating review of the main genres of writing. Students will analyze texts from a variety of genres, including informative, persuasive, narrative, research, and professional texts, then students will consider applications in their own lives by planning and writing essays that apply the skills of the genre to the students' topics of choice. Ultimately the coursework brings their Lynden Christian experience to a well-rounded end as they apply their developed skills to their own interests and future pursuits. Because of the seminar format, homework will not be the ultimate assessment of student achievement. Students, in the end, will be graded upon integration of the material in their writing, class discussion/participation, and behavior as evidenced through a Student Portfolio at the end of the course.

<u>CWU English 102</u> <u>CWU English 105</u> Grade Level: 12 Credit: 0.5/0.5 English Prerequisite: CWU English 101 or passing scores on the AP English Language & Composition exam and department approval. <i>*Application and summer reading required</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>CWU English 102</i> is an advanced composition course in which students work closely with their peers and instructor to develop a portfolio that reflects an ability to write papers that are appropriate to their rhetorical situation. This course is designed to prepare students to be competent and confident college writers who can write within a variety of contexts. To do this, we will examine the traits of good composition through the lens of rhetorical analysis and explore how to develop arguments that make complex claims. We will learn that good writing often starts with good reading, and we will work to become conscious of the decisions, claims, and arguments we make as writers. The readings for English 102 focus on academic discourse from a variety of disciplines as well as <i>1984</i> and <i>Frankenstein</i>. <i>CWU English 105: Literary Imagination</i> is a literature course that will provide an overview of Western thought and British literature as students explore the concept of “the Good life” by approaching the reading of literature as a formative experience-- something that can shape and change us. Key texts include <i>Antigone</i>, <i>Hamlet</i>, and <i>Pride and Prejudice</i> as well as an assortment of selections and poetry. The CWU course outcomes provide the framework within which we will accomplish these goals. Students desiring college credit for one or both courses will receive information from the teacher regarding registration and college fees during the semester.
Home & Family (Family & Consumer Science)	Students are required to earn 1.5 credits (3 semester) of Career & Technical Education over their High School career. 0.5 Credits of Technology, 0.5 Credits of Business and 0.5 Credits of either Home & Family or Vocational Agriculture. These credits can be earned through the courses offered in the Computer Science & Engineering or Home & Family or Vocational Agriculture department.
<u>Foods & Nutrition</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Home & Family CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	Students in this class will learn how they can prepare food in a nutritious and economical way for themselves and their family. This class contains units on health and safety in food handling, nutrition, recipe modifications, kitchen math, and menu planning. They will also learn kitchen equipment, cooking terminology and techniques, and how to read a recipe. This class teaches basic cooking and baking skills.
<u>Independent Living</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Home & Family CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course is an introductory course that allows students to explore some of the fundamentals of home and family life. Topics that are covered are communication basics, budgeting, clothing care, a hand sewing project, life planning, apartment hunting, shopping terminology, menu planning, home decor and color design, cleaning and basic cooking.

<u>Culinary Arts</u> Grade Level: 10, 11, 12 Credit: 0.5 Home & Family CTE Prerequisite: Foods and Nutrition <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	In this course, students will create an Interactive Notebook covering all topics covered in the course. Starting with safety and sanitation in the kitchen and kitchen small wares then going into various culinary applications. Throughout the semester, students will be learning new culinary terms, making various recipes in class and discussing the food industry as a whole. Finally, students will learn the art of presentation, food history and culinary innovators.
Mathematics	Students are required to earn 3.0 credits (6 semesters) of math over their High School careers. See Appendix A for visual guide to math course sequencing.
<u>Extended Algebra I A/B</u> Grade Level: 9 Credit: 0.5/0.5 Math Prerequisite: Pre-Algebra	This course is designed to be the first year of a two-year sequence of Algebra 1. We work on solving equations, have an introduction to functions, a focused unit on linear functions, and simplifying exponential expressions. This course is for students who are not academically ready for 9th-grade Algebra I A/B. A scientific or graphing calculator (Texas Instruments – TI84) is required.
<u>Extended Algebra I C/D</u> Grade Level: 9 Credit: 0.5/0.5 Math Prerequisite: Pre-Algebra	This course is designed to be the second year of a two-year sequence of Algebra I.
<u>Algebra I A/B</u> Grade Level: 9, 10 Credit: 0.5/0.5 Math Prerequisite: Pre-Algebra	This course of study involves solving equations and inequalities, solving systems of equations and inequalities, simplifying exponential expressions, exploring exponential functions, and simplifying polynomial expressions. A graphing calculator (Texas Instruments—TI84) is required.
<u>Extended Geometry A/B</u> Grade Level: 10, 11 Credit: 0.5/0.5 Math Prerequisite: Algebra I or Extended Algebra I C/D	This course is designed to give extra help in geometry.
<u>Geometry A/B</u> Grade Level: 10 Credit: 0.5/0.5 Math Prerequisite: Algebra I	This course covers the completion of <i>Algebra I A/B</i> which includes graphing quadratic functions, solving quadratic equations, and simplifying radical expressions. In <i>Geometry</i>, <i>Algebra I</i> skills are reinforced with applications involving both linear and quadratic relations. Students will also explore logical reasoning, proofs, properties of parallel lines, triangles, quadrilaterals, and construction techniques.
<u>Advanced Geometry A/B</u> Grade Level: 9, 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: B- or better in Algebra I	<i>Advanced Geometry</i> begins with foundational geometry terminology, principles of logic, and construction techniques. Students will develop logical reasoning skills as they explore the properties of parallel lines, triangles, and quadrilaterals through formal geometric proofs. The course concludes with an in-depth study of similar triangles, right triangles using trigonometry, the properties of circles, and the calculation of area and volume for various polygons and solids.

<u>Algebra II A/B</u> Grade Level: 9, 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: Geometry	The course is designed to be a full year, which extensively covers the content of quadratic functions, polynomials, radicals, rational functions, exponential & logarithmic functions, and trigonometry. This course is designed to cover the main topics of Algebra 2 and will prepare students to take Pre-Calculus and CWU Statistics (MATH 211). This full-year course extensively covers quadratic functions, polynomials, radicals, rational functions, exponential and logarithmic functions, and trigonometry. It covers the core topics of Algebra 2 and prepares students for Pre-Calculus as well as CWU Statistics.
<u>Advanced Algebra II A/B</u> Grade Level: 9, 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: Advanced Geometry (or Geometry w/ Teacher recommendation)	This course is intended for students planning to pursue careers that require college-level mathematics. It follows <i>Advanced Geometry</i> and serves as a prerequisite for <i>UW Pre-Calculus</i>. The course makes extensive use of the graphing calculator (TI-84 required) and places a strong emphasis on functions. Trigonometry is also covered during the second semester.
<u>Pre-Calculus A/B</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: Algebra II	This course is designed to deepen the understanding of functions introduced in <i>Algebra II</i>. Topics include polynomials, rational functions, exponential and logarithmic functions, trigonometry, as well as probability and statistics. It serves as a bridge to college Pre-Calculus.
<u>UW Pre-Calculus A/B (Math 120)</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: Adv Algebra II <i>*If student elects to enroll in UW Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course covers the fundamental properties of functions and their graphs, with emphasis on linear, quadratic, trigonometric, and exponential functions, as well as their inverses. Multi-step problem solving is a key focus throughout the class. As a physics-based, problem-solving course, students have the opportunity to earn 5 college credits through the University of Washington.
<u>UW Calculus I/II A/B (Math 124/125)</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 Math Prerequisite: Adv. Pre-Calculus (UW Math 120) <i>*If student elects to enroll in UW Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course is the equivalent of a college calculus class. Specifically, it covers limits, derivatives, and integrals. The course allows students to acquire college credit for Calculus through the University of Washington.
<u>CWU Statistics A/B (MATH 211)</u> Grade Level: 11, 12 Credit: 0.5/0.5 Math Prerequisite: Algebra II <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course is an introductory Statistics class. We will cover the topics of types of data (categorical & quantitative) and their graphs, the Normal Model, linear regression, sampling techniques & biases, simulation, observational studies & experiments, probability, and inferential statistics. This course is offered with a dual credit option. Students earn high school and college credit. 5 quarters of college credits can be earned through Central Washington University by passing the course.

Music	Students are required to earn 2.0 credits (4 semesters) of Fine Arts over their High School career. Fine Arts credit can be earned through the Art department and Music department
<u>Orchestra A/B</u> Grade Level: 9, 10, 11, 12 Credit: 0.5/0.5 Fine Arts Prerequisite: 3-4 years of middle school orchestra experience and/or director recommendation/audition	This performance-based course reinforces basic Orchestral concepts: tone, balance, blend, intonation, phrasing, interpretation, style and teaches music theory, history, and soloistic playing. Members are required to participate in all concerts, contests/adjudications, and various community performances.
<u>Concert Band A/B</u> Grade Level: 9, 10, 11, 12 Credit: 0.5/0.5 Fine Arts Prerequisite: 3-4 years of middle school band experience and/or director recommendation/audition	This performance-based course reinforces basic Band concepts: tone, balance, blend, intonation, phrasing, interpretation, style, and teaches music theory, history, and soloistic playing. Members are required to participate in all concerts and contests/adjudication as well as the Pep Band which plays at all home Football games, Basketball games, and parades throughout the school year. Students will be graded on an individual basis. School instruments are available at no charge.
<u>Instrumental Jazz Ensemble</u> *zero hour class Grade Level: 9, 10, 11, 12 Credit: 0.25/0.25 Fine Art Prerequisite: full group audition in September for first two weeks of school, concurrent enrollment in Concert Band or Orchestra	This performance-based course is designed to develop an understanding of the components necessary to perform music in the Jazz style. The focus is on Jazz articulation, improvisation, Jazz styles, and Jazz theory. Students must audition for the course and/or have previous Middle School Jazz Band experience. Students will be graded on an individual basis. School instruments are available at no charge.
<u>Instrumental Orchestra Ensemble</u> *zero hour class Grade Level: 9, 10, 11, 12 Credit: 0.25/0.25 Fine Art Prerequisite: full group audition in September for first two weeks of school, concurrent enrollment in Concert Band or Orchestra	This performance-based course is designed to develop an understanding of the components necessary to perform music in chamber style. The focus is on classical articulation, expression, classical styles, and classical music theory. Students must audition for the course and/or have previous Middle School Orchestra experience. Students will be graded on an individual basis. School instruments are available at no charge upon request.
<u>Concert Choir A/B</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 Fine Arts Prerequisite: Audition for placement plus 1 year of previous high school choral experience.	Concert Choir is a full year course and may be taken by students who have auditioned and have completed at least 1 year of Mixed Chorus or its equivalent. This course will introduce the students to choral literature throughout the centuries. The choir performs several times a school year, as well as at contests and other community functions. This course will focus on more advanced techniques of vocal production and involve studying more challenging musical literature.

<u>Chamber Choir A/B</u> *zero hour class Grade Level: 9, 10, 11, 12 Credit: 0.25/0.25 Fine Arts Prerequisite: Audition for placement and must be enrolled in Mixed Chorus or Concert Choir.	Chamber Choir is a select ensemble of 12-22 members. Auditions occur in early fall. Repertoire will include music intended for small ensembles. The choir performs several times each year at school and in the community and occasionally will take a small regional tour. This course will also focus on more advanced techniques of vocal production and more challenging choral literature.
Physical Education	Students are required to earn 2.0 credits (4 semesters) of Physical Education over their High School careers 0.5 Credits will be Health/PE 1 and 1.5 will be PE elective courses
<u>Health</u> *Graduation requirement Grade Level: 9 Credit: 0.5 Physical Education Prerequisite: none	This course explores wellness and total health, helping students understand the connection between physical, mental, emotional, and social health while developing healthy habits and future goals. Topics include mental and emotional health, stress and anxiety management, healthy relationships, sexual risk avoidance, body systems, diseases and prevention, reproductive health, and basic first aid. Major areas of emphasis include vaping, communicable diseases (including STDs/STIs), anxiety, stress, depression, suicide prevention, and endocrine and reproductive health. The class combines discussions, reflections, projects, labs, assessments, and group activities with active movement and physical fitness components designed to promote lifelong health and wellness.
<u>Lifetime Fitness</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Physical Education Prerequisite: none	This course is designed to answer such questions as: What does God expect concerning the use of our bodies? What does it mean to be healthy/fit? What can I do to be more fit? How does one translate that understanding to healthy living? The PE units are designed to help students develop both the physical tools and cognitive understanding of current health issues that could help them better enjoy and perform lifetime fitness and sports activities. The lessons will allow students to review many of the racquet sports. Class activities include Tabata, golf, cycling, bocci ball, dance, wellness walking, self-defense, HIIT, Yoga, kickboxing, skating, weight training, jogging, cardio training.
<u>Team/Recreational Sports</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Physical Education Prerequisite: none	This course will continue to introduce students to many diverse activities created by God that they can do to use their bodies to glorify Him. The focus will be on recreational activities that can be done at any age, alone or with partners, both recreationally and competitively. Students will be shown how these activities help maintain and increase their fitness levels. They will practice correct techniques and understand the specific rules in order to enjoy and be successful at these activities. The lessons will allow students to review many of the racquet sports. In addition, the students are introduced to such activities as volleyball, lacrosse, hockey, bocci ball, 3 on 3 basketball, golf, spikeball, strength training, mushball, and aerobic conditioning.

<u>Strength & Conditioning</u> Grade Level: 9, 10, 11, 12 Credit: 0.5 Physical Education Prerequisite: none	All PE students at Lynden Christian are introduced to strength training in PE I during their freshman year. All other PE classes also include strength training as part of weekly conditioning. Every student is taught basic principles of safety, basic program design and proper technique on both machines and free weights. This particular class is much more intentional in introducing further techniques and methods to improve strength, power, speed, balance, agility and overall conditioning. Some of these units include: medicine ball training, stability ball training, plyometric, agility ladders, balance training and jump training. This class may be repeated.
Science	Students are required to earn 3.0 credit (6 semesters) of Science over their High School career with 2.0 credits of lab science.
<u>Freshman Science A/B</u> Grade Level: 9 Credit: 0.5/0.5 Science Prerequisite: none <i>Optional CWU Credit: ENST 201: Earth as an Ecosystem (5 credits).</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course provides an introduction to the concept of Earth as an interconnected system with specific qualities that make life possible. Students will explore the dynamic nature of the planet through the study of physical, chemical, geological, and biological processes, and how these processes interact to form complex Earth systems. Key topics include ecosystems and biodiversity, climate, natural resource use, and Earth's geologic history. Students will examine how human activities influence these systems and consider their role in shaping the environment. Building on foundational physical science concepts learned in 8th grade, the course integrates knowledge of chemical formulas, chemical reactions, and atomic structure to deepen understanding of environmental processes. Through inquiry, analysis, and real-world applications, students will develop a scientific perspective on our planet and its interconnected systems.
<u>Biology A/B</u> Grade Level: 10 Credit: 0.5/0.5 Science Prerequisite: Freshman Science A & B.	Sophomore Biology is a one-year course that surveys the structure and function of systems and structures that make life in our biosphere possible. First semester topics include: Inquiry using the scientific method, basic chemistry of life, cell structure and organelle function, cell processes and transport, and photosynthesis. Second semester biology covers the topics of biochemistry (photosynthesis and cellular respiration), mitosis/meiosis, genetics and DNA (structure, transcription/translation), biotechnology, ecology, and animal structures/function and behavior. There is a strong emphasis on laboratory work and an understanding of the processes of scientific investigation. Class formats include lectures, note-taking, projects, inquiry labs, written lab reports and analysis, supplementary readings as well as quizzes and tests
<u>Chemistry A/B</u> Grade Level: 11 Credit: 0.5/0.5 Science Prerequisite: Biology B with a C- or better and Algebra with a C- or better or teacher permission	Chemistry is a year-long course on the study of matter, its composition, structure, properties, and reactions. Topics of study: matter and energy, atomic structure, the periodic table, nuclear reactions, electron structure, bonding and chemical reactions, moles and stoichiometry, organic chemistry, reaction rates, and acid/base equilibrium reactions. Applications include: energy production, materials, combustion engine, electric motor, environmental concerns, and of course, fun and explosive chemical reactions!

<u>AP Chemistry A/B</u> Grade Level: 11 Credit: 0.5/0.5 Science Prerequisite: Biology B with a C- or better and Algebra with a C- or better or teacher permission <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	AP Chemistry provides you with a college-level foundation to support future advanced coursework in chemistry. You will cultivate your understanding of chemistry through inquiry-based investigations, as you explore content such as: atomic structure and properties, molecular and ionic compound structure and properties, intermolecular forces and properties, chemical reactions, kinetics, thermodynamics, equilibrium, and acids and bases. This course requires that 25 percent of instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry-based). It is recommended that students keep a lab notebook throughout. Following the AP Exam in May, students will be given an opportunity to choose topics of interest to investigate. We will also learn a bit about nuclear chemistry and service opportunities will be provided.
<u>Animal Science</u> Grade Level: 10, 11, 12 Credit: 0.5 Science Prerequisite: Biology A/B (preferred)	This course will introduce the foundational concepts of experience in the field of Animal Science and Medicine. As part of the Christian mandate to care for creation, students will explore the challenges and joys of agricultural animal care. Students in this course will have the opportunity to explore Animal Science careers, problem-solving, data analysis, various levels of terminology, and animal care through project-based learning, teamwork, and hands-on activities.
<u>CWU Anatomy & Physiology A/B (CWU BIOL-201)</u> Grade Level: 11, 12 Credit: 0.5/0.5 Science Prerequisite: Biology A/B <i>*This course is offered during even graduation years</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This Human Physiology course is for nonmajors and health sciences students. It focuses on the structure and function relationships within every human body system. This course fulfills all requirements for Central Washington's Biology 201 course, and uses all required elements such as textbook, assessments, evaluation, grading and any prerequisites. This UWHS course is delivered with the content and rigor that is consistent with the course taught on the UW campus. Prerequisites: Completion of 1 year of high school- level Biology. The objective of this course is for diligent students to be able to: 1. Develop a well-formed understanding of how the body works, and the details that make it so amazingly complex and unique. 2. Establish a diligent and motivated work ethic towards all class assignments. 3. Form a critical thinking mindset when exposed to advanced scientific research and methods. Establish a better understanding of good study skills that will bring success in future academic endeavors.

<u>CWU Biology A/B (BIOL 101)</u> Grade Level: 12 Credit: 0.5/0.5 Science Prerequisite: Biology A & B, Chemistry A & B with a C- or better <i>*This course is offered during odd graduation years</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	CWU Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. First semester content and percent representation on the AP exam: Unit 1: Chemistry of Life 8–11% Unit 2: Cell Structure and Function 10–13% Unit 3: Cellular Energetics 12–16% Unit 4: Cell Communication and Cell Cycle 10–15% Unit 5: Heredity 8–11%. Second semester CWU Biology is a continuation of first semester. The final two units before the exam are: Unit 6: Gene Expression and Regulation 12 –16%: Unit 7: Natural Selection 13–20% Unit 8: Ecology 10–15%. Laboratory Requirement This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.
<u>CWU Physics A/B (PHY 111, 112, 113)</u> Grade Level: 11, 12 Credit: 0.5/0.5 Science Prerequisite: Advanced Algebra II, strong math skills required. <i>*This course is offered during even graduation years</i> <i>*If student elects to enroll in CWU Credit, this course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	AP Physics 1 is an algebra-based, introductory college-level physics course. In this class, you will cultivate your understanding of physics through inquiry-based investigation as you explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, and torque and rotational motion. This course requires that twenty-five percent of instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide you with opportunities to demonstrate the foundational physics principles and apply the seven science practices as you design plans for experiments, make predictions, collect and analyze data, apply mathematical routines, develop explanations, and communicate about your work. Following the AP test in May, students will be given the opportunity to choose topics of interest to investigate. Service opportunities will be provided.
<u>Horticulture</u> Grade Level: 9,10, 11, 12 Credit: CTE Prerequisite: none <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	<i>Horticulture</i> is a one-semester course that deals with ornamental plants. The student will learn about soil, pH, water and fertilizers as they relate to plant growth. Reproduction and cultural practices are studied. Approximately one-third of the time is spent in the greenhouse putting knowledge to work. The class also does service projects for others by helping with garden projects. The semester is completed with a plant sale.
Social Studies	Students are required to earn 3.5 credits (7 semesters) of Social Studies over their High School career.
<u>Physical & Human Geography</u> <i>*Graduation requirement</i> Grade Level: 9 Credit: 0.5 Social Studies Prerequisite: none	Students will develop a multicultural understanding through the use of geographical concepts and skills to gain a fuller understanding of the world we live in. Students will discover the interrelationship between people and their environment in terms of culture, location, physical characteristics, their movements, demographics, history, government, and economic activity. It will deepen students' understanding of the beauty of God's diverse world and how all these aspects work together to form His Kingdom on earth.

<u>World History A/B</u> *Graduation requirement Grade Level: 10 Credit: 0.5/0.5 Social Studies Prerequisite: none	<i>World History A</i> is the first semester of two sequential semesters. It focuses on Ancient Civilizations and how their history and cultures fit into the Biblical story. <i>World History B</i> focuses on the study of the development of Western civilization and the Christian Church by looking at political, cultural, economic, and religious significance in the West.
<u>U.S. History A/B</u> *Graduation requirement Grade Level: 11 Credit: 0.5/0.5 Social Studies Prerequisite: none	<i>U.S. History A</i> is the first of two consecutive semesters. The topics covered in the first semester include the Reconstruction era and the lasting impact of Jim Crow laws, westward expansion and the cultural clashes between settlers and Native populations, the rise of Big Business and labor movements, America's growing international role, women's suffrage, progressivism, advocacy for social reform, the United States' entry into World War I, the Roaring Twenties, and the New Deal. <i>U.S. History B</i> (second semester of U.S. History) covers significant events and developments, including World War II, the Cold War and its proxy wars, and the Civil Rights Movement. It also addresses the Vietnam War and various topics from the 1970s to the 1990s, such as the Watergate scandal, the rising influence of the Right, Reaganomics, the First Gulf War, and the presidencies of George H.W. Bush and Bill Clinton. Furthermore, it examines the events of September 11, 2001, as well as the presidencies of George W. Bush and Barack Obama. Social history, cultural history, political history, and philosophical history are woven through the content of both semesters. Students are challenged to consider how Christians can view both the positive advances and contributions of Americans and American history, as well as the mistakes or failures of its past. This discussion considers the Christian's place in history and their responsibility for the future.
<u>American Government</u> *Graduation requirement Grade Level: 12 Credit: 0.5 Social Studies Prerequisite: World History	<i>American Government</i> is a study of the system of government established by the United States Constitution and how that system has evolved to meet modern needs. We stress the how and the why of governmental operations as well as factual information. We spend considerable time studying the three branches of our federal government-executive, legislative, and judicial, but time is also spent on state, county and city government. Opportunities for governmental vocations are explored. Particular emphasis is placed on norms and principles that flow from the Bible regarding the purpose and place of government. The murky relationship of faith and politics will also be explored. Students will be challenged to be active and responsible citizens who participate in the democratic process.
<u>AP Government A/B</u> Grade Level: 12 Credit: 0.5 Social Studies Prerequisite: Government <i>*This course incurs additional fees. See LCHS Tuition/Incidental Fee Schedule</i>	This course will provide a comprehensive study of U.S. government and politics. It will equip students to engage thoughtfully in society and promote positive change by integrating the foundational concepts found in Micah 6:8, which calls us to 'act justly, love mercy, and walk humbly with your God.' "Students will cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like

	constitutionalism, liberty and order, civic participation, policy-making, and methods of political analysis." (AP Central)
<u>World Issues</u> *Graduation requirement Grade Level: 12 Credit: 0.5 Social Studies Prerequisite: American Government	<i>World Issues</i> begins with a focus on building the skills and framework necessary for evaluating information and responding to the issues of our day from a Christian perspective. An exploration of the biblical concepts of shalom, justice, solidarity, and sphere sovereignty establishes the foundation for evaluation of public policy and Christian responsibility which are essential throughout the course. The foundation for the course is also set with a focus on honing digital literacy skills to help students more effectively navigate the news, media, and the internet in order to consider bias and determine truth. During the remainder of the semester we deal with major topics such as the many conflicts taking place around the world between countries and ethnic groups; genocides of the past and present; current considerations of race; gender inequity with a focus on oppression of women worldwide; poverty; environmental concerns in a globalized world; modern day slavery as it relates to human trafficking, forced labor, forced marriage, and honor-based violence; and more as time allows. We also continuously evaluate current events, discuss their historical context, and consider the Christian response.
<u>Family Psychology</u> Grade Level: 12 Credit: 0.5 Social Studies Elective Prerequisite: none	What is a family in God's eyes? How can I have His kind of family? How is His definition different than that of the prevailing culture? What are the physical, emotional, intellectual and spiritual components that build and strengthen life in a family? This course helps answer those questions by examining family systems, dating, communication, gender differences, marriage, child development parenting, aging, and money management from a Christian perspective. Our class dynamics and group discussion create an atmosphere of safety and honesty.
<u>Political Science & Debate</u> Grade Level: 10, 11, 12 Credit: 0.5 Social Studies Prerequisite: none	Political Science and Debate dives into the world of politics through debating real-world issues. Students will explore topics such as political history, various government systems, different political ideas, political parties, human rights, global relations, current issues, and more. Student interests will guide the selection of topics that matter most. Throughout the course, students will sharpen critical thinking and speaking skills while practicing respectful and thoughtful debate. Along the way, students will be challenged to consider the biblical design for government, politics, and society, and grapple with the effects of political action.
<u>Service and Leadership</u> Grade Level: 10,11,12 Credit: 0.5 Bible & Religion Elective Prerequisite: none	Service and Leadership is designed for students who want to grow, lead, and serve by using their gifts to make an impact both in and out of school. Rooted in the biblical call to be salt and light (Matthew 5:13–16), the course encourages students to actively serve God's Kingdom while building confidence, character, and practical leadership skills.

World Language	Students are required to earn 2.0 credits (4 semesters) of World Language over their High School career.
<u>Spanish I A/B</u> Grade Level: 10, 11, 12 Credit: 0.5/0.5 World Language Prerequisite: none for First Year Spanish A	The focus of this class is an introduction to the Spanish language. To facilitate this, Spanish will be spoken by the teacher during instruction time throughout the semester. Students will concentrate on understanding the spoken and written word, acquiring vocabulary, and using the language both orally and in writing. Grammar is taught in a communicative context through the practice of the four language skills of reading, writing, listening, and speaking. Loving God and our neighbors as ourselves (including fellow classmates as well as people of Hispanic culture) will be fostered through discussions, videos, and activities.
<u>Spanish II A/B</u> Grade Level: 11, 12 Credit: 0.5/0.5 World Language Prerequisite: Spanish I A/B	The focus of this class is furthering the communication skills learned in first year Spanish. Understanding the spoken and written word as well as personal usage of the language both orally and in writing will be developed to a higher degree of proficiency throughout the year. Class will be conducted frequently in Spanish and grammatical structures used will become more sophisticated. Sensitivity to Hispanic cultures as children of God will continue to be fostered through discussions, videos and activities. Students completing this class are able advance to Spanish 3.
<u>Spanish III A/B</u> Grade Level: 12 Credit: 0.5/0.5 World Language Prerequisite: Advanced Spanish II A/B	The focus of this class is furthering communication skills learning from previous years such as speaking, listening, reading and writing. Class will be conducted primarily in Spanish as the students are taught a more sophisticated level of grammar. In addition to grammatical concepts and vocabulary, famous Spanish artists will be studied along with their paintings. Sensitivity to Hispanic traditions will be fostered along with increasing cultural awareness. Students will see more of how creative our God truly is and how His creativity can be seen in the various peoples of the world.
Additional Electives	Each student may register for a maximum of one guided study per semester. Seniors may register for a maximum of three of the following courses: Guided Study, Parent Release, and Teacher Assistant. Seniors may take on a period of Parent Release each semester, but may not have both a parent release and a guided study during the same semester. Teacher Assistant assignments will be assigned by the counselor or registrar based on teacher needs for that semester. Students may sign up to be a Teacher Assistant more than once, but will only receive credit for the first time they are a TA.
<u>Elementary/Middle School TA</u> Grade Level: 12 Credit: 0.5 Prerequisite: none	Students may register to be an elementary or middle school TA. Students assist the teacher with their course. Tasks range from making copies to grading. This course allows students to get a glimpse of what it is like to be a teacher. This is a great course for students interested in pursuing teaching as a career.
<u>High School TA</u> Grade Level: 12 Credit: 0.5 Prerequisite: none	Students may register to be a high school TA. A student can TA in a classroom, the library, the shop, or request to be a P.E. TA. The roles and responsibilities in each of these areas differ.

<u>Parent Release</u> Grade Level: 12 Credit: 0.0 Prerequisite: none	Students must sign out at the office and leave campus for all Parent Release periods. Parent Release may be taken by a senior for periods 1 or 7 only.
Guided Study Grade Level: 9, 10, 11, 12 Credit: 0.0 Prerequisite: none	This class will provide students with a quiet study environment where they will also receive assistance with their homework. Students will be taught study, organizational, and time management skills that will help them with their schoolwork.

2026-2027 BIBLE COURSES

Freshman
Year

Christian
Ethics

Sophomore
Year

Bible
Survey

Junior
Year

Christian
Principles

Senior
Year

World
Views

Electives - May be taken 10th, 11th, or 12th grade

Christ, Culture
& Media

Service &
Leadership

Legend: Blue boxes = Required courses by grade
Outlined boxes = Electives (optional courses to take)
All courses are single-semester courses

2026-2027 BUSINESS COURSE MAP

Freshman	Sophomore	Junior	Senior
<u>Year</u>	<u>Year</u>	<u>Year</u>	<u>Year</u>

Technology
Connections

Electives - Need to take one 10th, 11th OR 12th grade

Accounting

Business
Management

Marketing

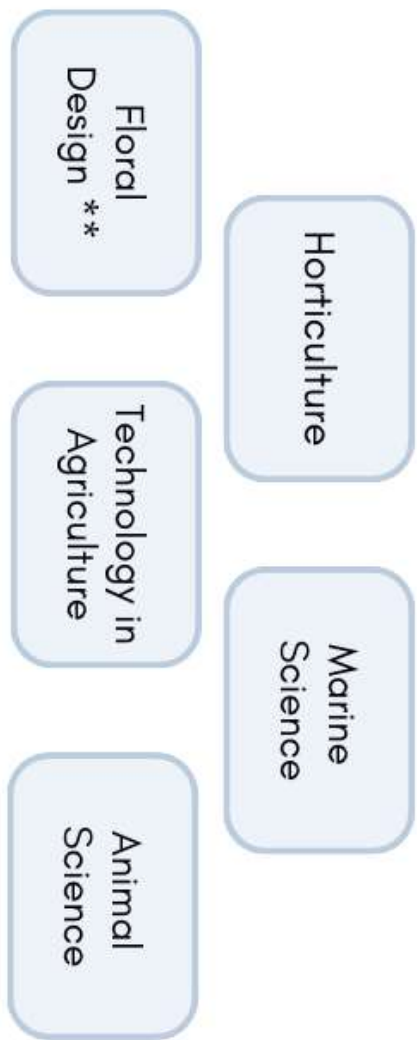
Personal
Finance

Legend: Blue boxes = Required courses by grade
Outlined boxes = Electives
All courses are single-semester courses

2026-2027 CTE: AG SCIENCE COURSES

Freshman	Sophomore	Junior	Senior
<u>Year</u>	<u>Year</u>	<u>Year</u>	<u>Year</u>

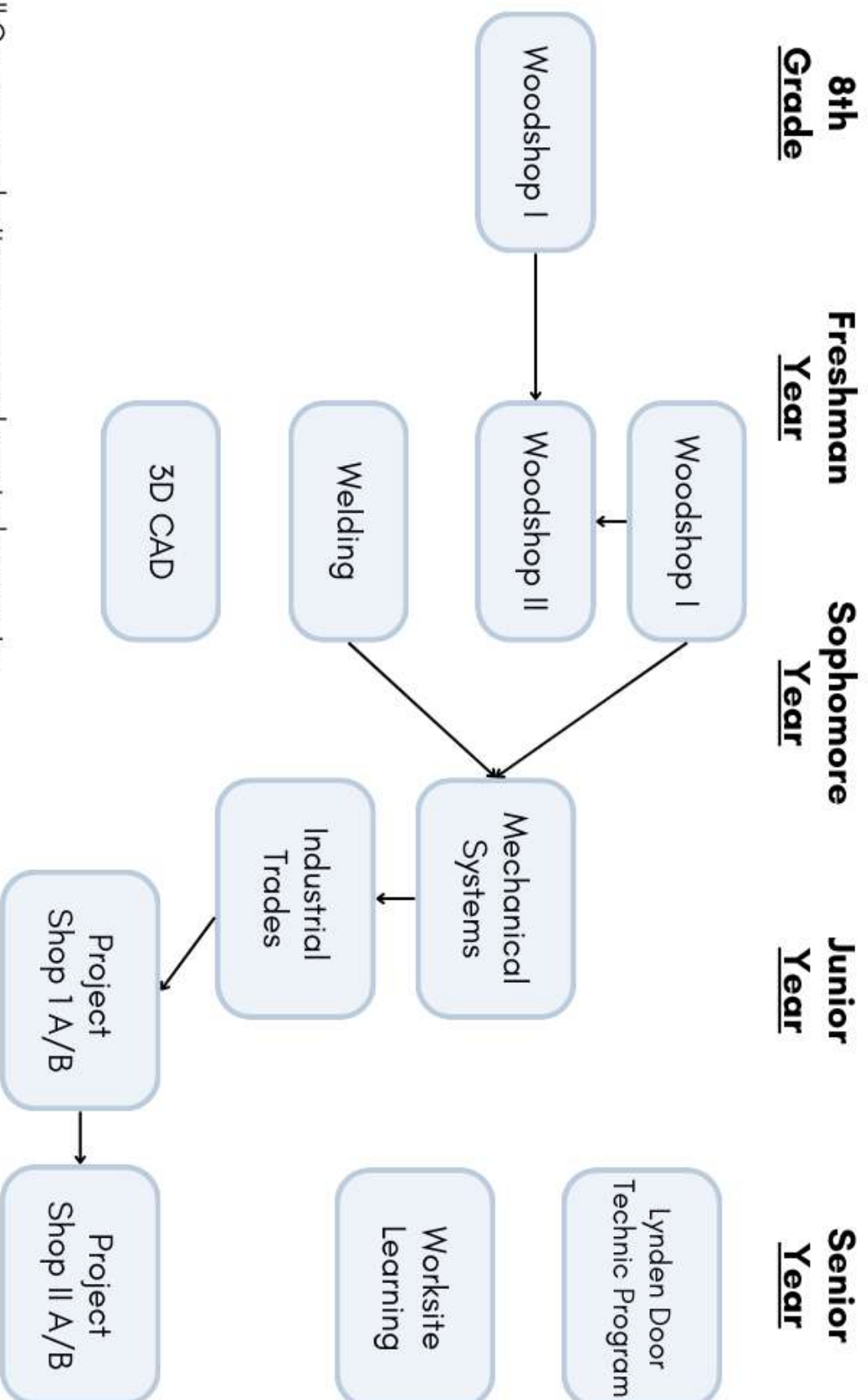
Intro to Agriculture*



- All Courses are elective
- One CTE course is required for graduation
- May earn a CTE credit from Home & Family, Ag Science or Shop

* Required to take if student wants to be in FFA
 ** May count as either an Art or CTE credit

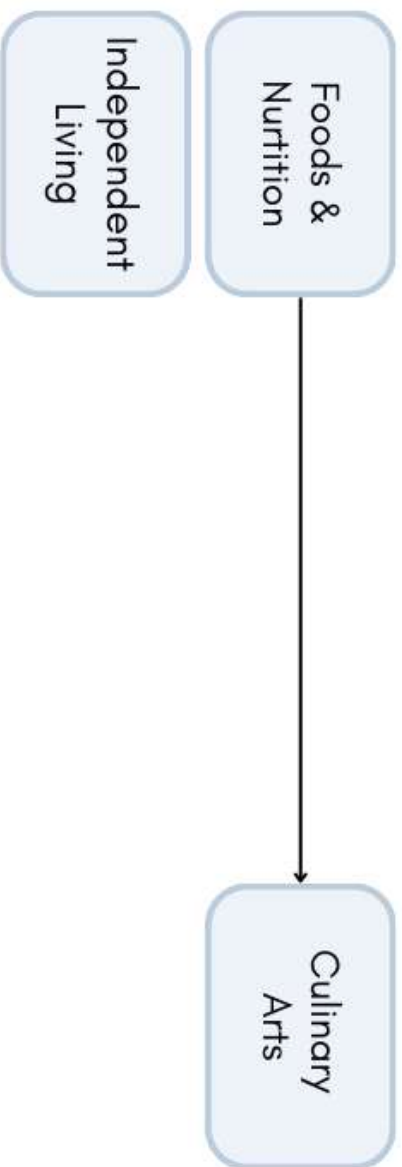
2026-2027 CTE:SHOP COURSES



All Courses are elective courses and are single-semester
 One CTE course is required for graduation
 May earn a CTE credit from Home & Family, Ag Science or Industrial Fabrication

2026-2027 CTE: HOME & FAMILY COURSES

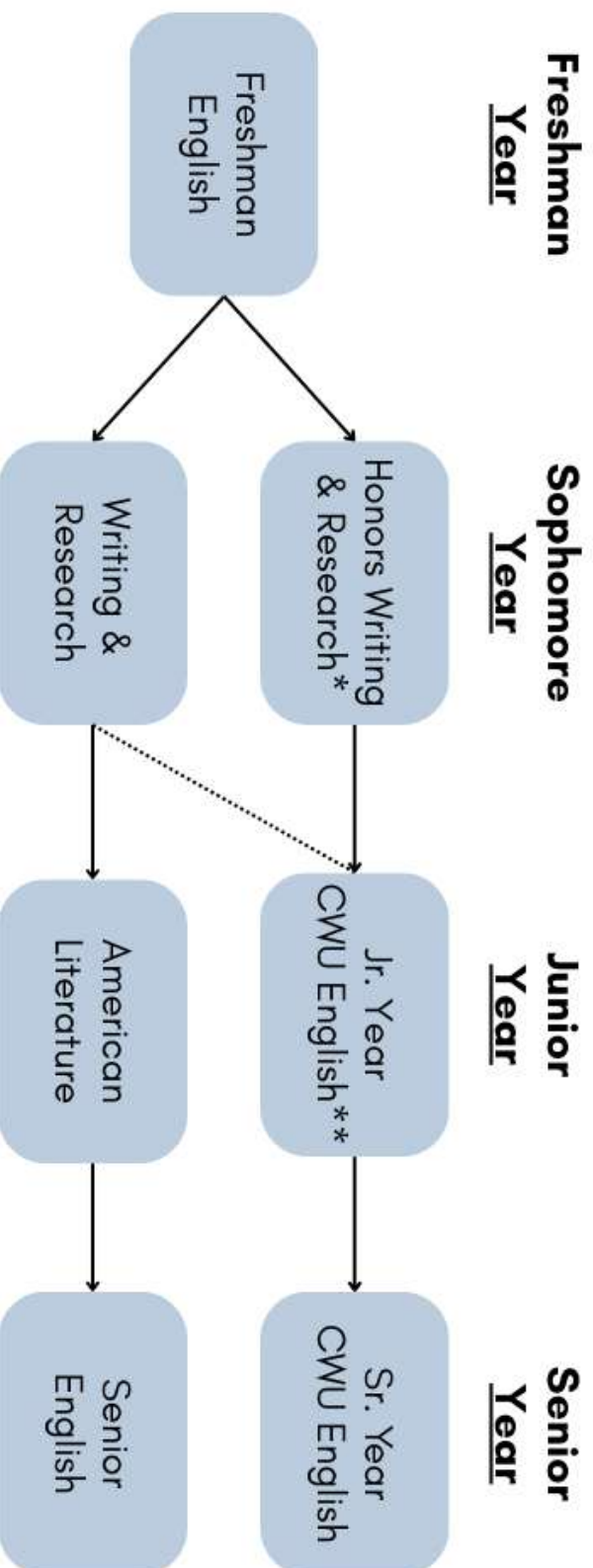
Freshman	Sophomore	Junior	Senior
<u>Year</u>	<u>Year</u>	<u>Year</u>	<u>Year</u>



- All Courses are elective
- One CTE course is required for graduation
- May earn a CTE credit from Home & Family, Ag Science or Industrial Fabrication

Legend: Outlined boxes = Electives (optional courses to take)
 All courses are single-semester

2026-2027 ENGLISH COURSES



Legend: * Spring Freshman Year - Students Apply for Honors
 ** Spring Sophomore Year - Current Honors Students are eligible for Jr. Year CWU
 Writing & Research students need to apply for Jr. Year CWU
 All courses are year-long courses

2026-2027 FINE ARTS:PERFORMING ART COURSES

Band
A/B

Concert Choir
A/B

Orchestra
A/B

Auditions are required for the following courses
Must be in Band, Chorus, Concert Choir or Orchestra to audition

Jazz Band
Ensemble*

Chamber
Choir*

Orchestra
Ensemble*

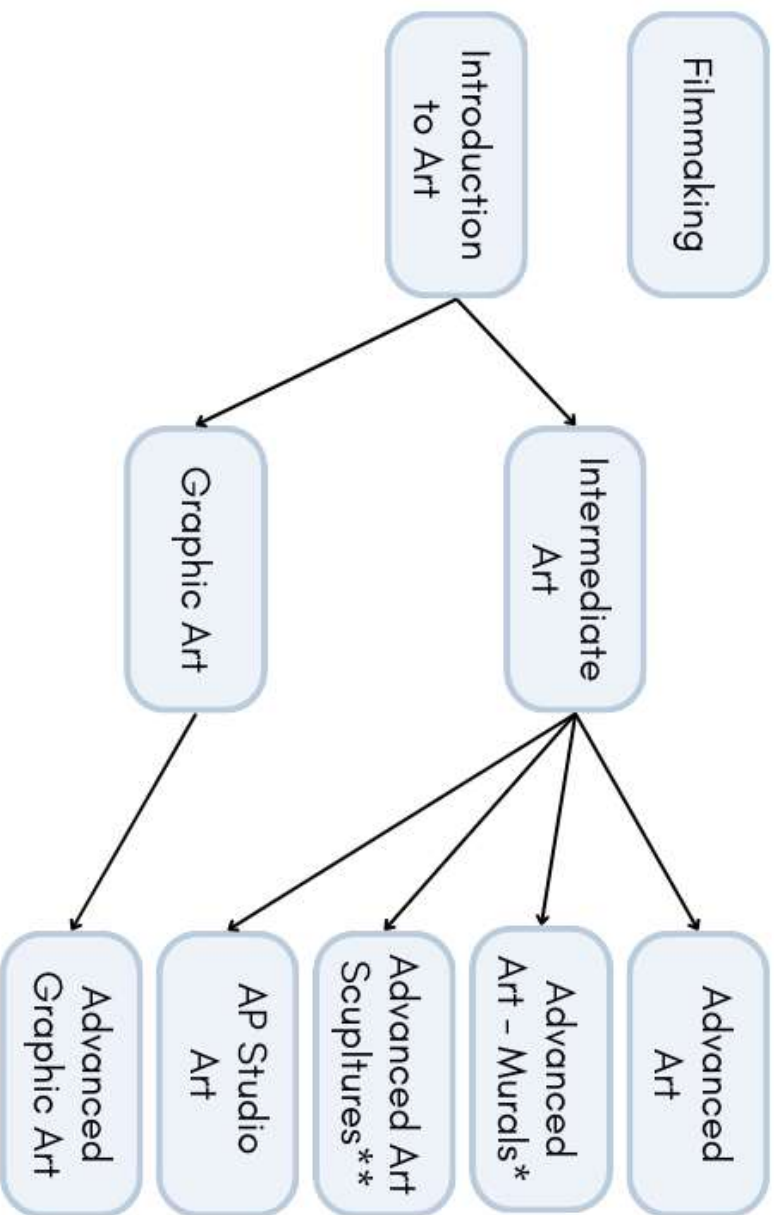
* Freshman course

** Denotes a class that is offered during zero hour (before school)
Auditions are in late August, before school begins

All courses are year-long (A/B)

2026-2027 FINE ARTS: VISUAL ART COURSES

Freshman **Sophomore** **Junior** **Senior**
Year Year Year Year



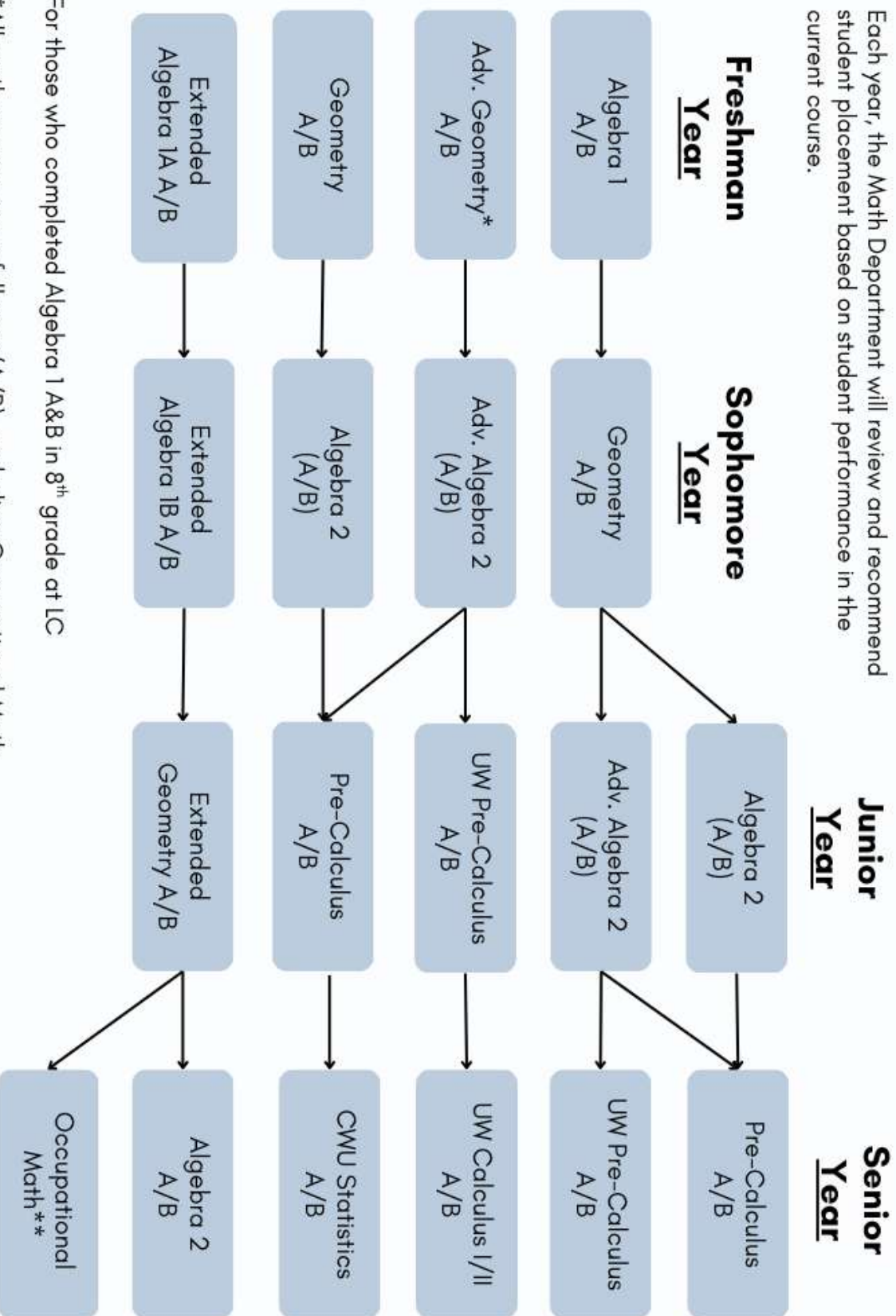
4 semesters of either Visual Art / Performing Art are required for graduation. All courses are single-semester courses.

* Adv. Art Murals is offered in even graduation years
 ** Adv. Art Sculptures is offered in odd graduation years



2026-2027 MATH COURSE MAP

Each year, the Math Department will review and recommend student placement based on student performance in the current course.



*For those who completed Algebra 1 A&B in 8th grade at LC

**All math courses are a full year (A/B), excluding Occupational Math

2026-2027 HEALTH & PE COURSE MAP

Freshman
Year

Sophomore
Year

Junior
Year

Senior
Year

Health/PE 1

Electives - Must take three by end of senior year
May take same one twice

Lifetime
Fitness

Strength &
Conditioning

Team/Recreational
Sports

Legend: Blue boxes = Required courses by grade

Outlined boxes = Electives

All courses are single-semester

2026-2027 SCIENCE COURSES

Freshman
Year

Freshman
Science A/B

Sophomore
Year

Biology A/B

Junior
Year

Chemistry
A/B

OR

AP Chemistry
A/B

Senior
Year

Electives - May be taken 10th, 11th, or 12th grade

Animal
Science

CWU Biology
A/B

CWU Physics
A/B

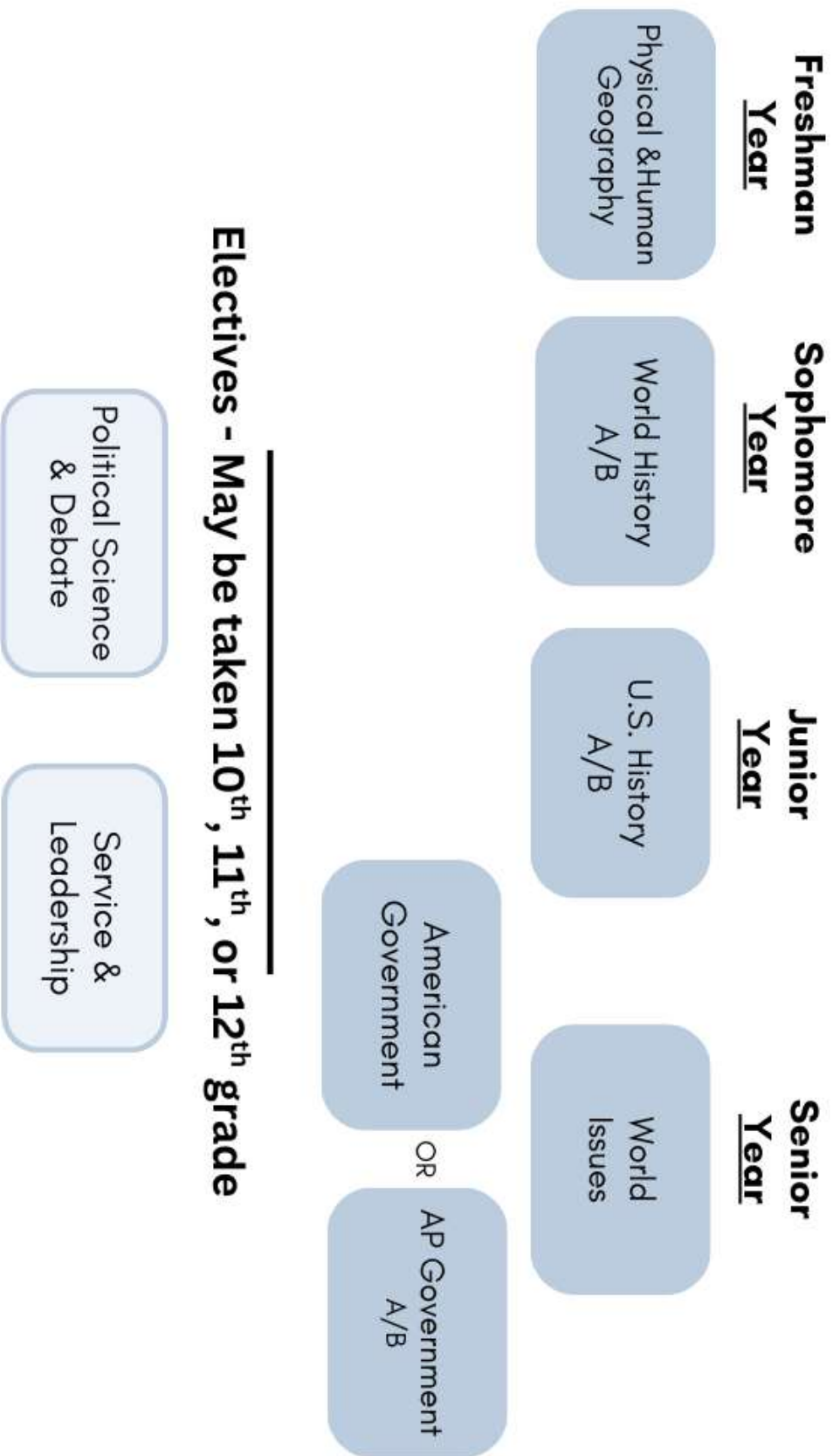
CWU Anatomy
& Physiology
A/B

Legend: Blue boxes = Required courses by grade

Outlined boxes = Electives (optional courses to take)

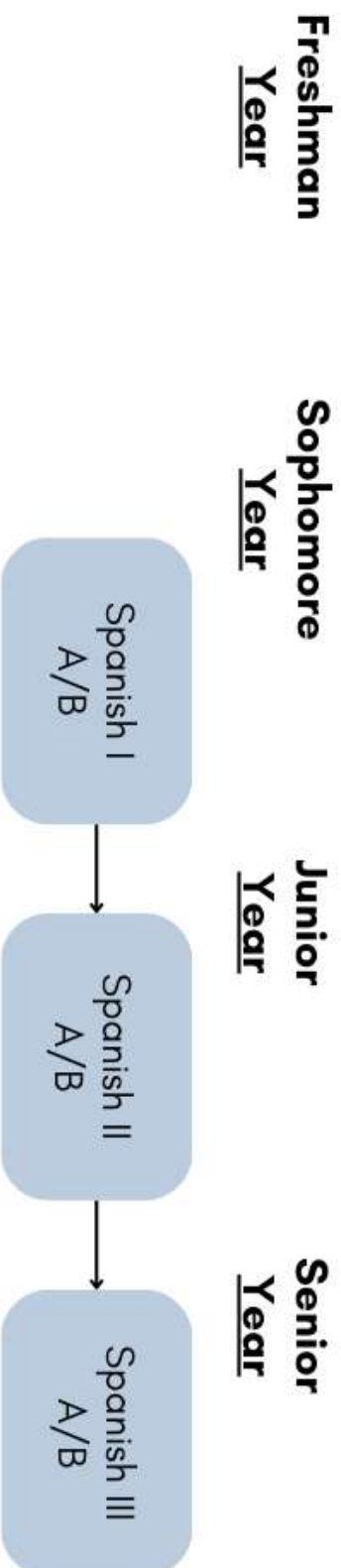
Courses with an A/B are year-long courses; otherwise, they are single-semester

2026-2027 SOCIAL STUDIES COURSES



Legend: Blue boxes = Required courses by grade
Outlined boxes = Electives (optional courses to take)
Courses with an A/B are year-long courses; otherwise, they are single-semester

2026-2027 SPANISH COURSE MAP



Legend: Blue boxes = Required courses by grade
Outlined boxes = Electives

Courses with an A/B are year-long courses