



The Riverside Campus

**COURSE DESCRIPTION CATALOG
2026 - 2027**



RIVERSIDE LOCAL SCHOOL DISTRICT



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****Information in this booklet may change at any time without notice.**



PURPOSE

The Riverside Campus Course Description Catalog is intended to assist students and parents in the course selection process. This booklet provides a master list of current course offerings along with a brief course description.

Riverside High School provides a variety of educational experiences and programs in an attempt to serve the variety of interests, abilities, and goals of its students. Every effort will be made to ensure that students are enrolled in the courses they and their parents select. However, insufficient enrollment causing the cancellation of specific classes or scheduling conflicts may require the student to select alternative courses.

Serious thought should be given to the type of specialized program of instruction to be selected in grades nine through twelve. Such decisions should be made in terms of the goals and abilities of the student and the program of studies available. Parents, teachers and school counselors will assist the student in arriving at worthwhile decisions.

Once an initial plan is selected, it should be reviewed periodically to ascertain whether or not the plan remains a good one. Conditions for individuals change from time to time; what once seemed like a good idea may now be inappropriate. If this applies to a selected program of study, appropriate changes should be made as soon as possible and practical.



School Counselor Assignments: 2026 - 2027 School Year

			Phone
Class of 2027	Mrs. Alyssa Keim	Alyssa.Keim@riversideschools.net	440-352-3341 X8331
Class of 2028	Mrs. Karin Pennock	Karin.Pennock@riversideschools.net	X4312
Class of 2029	Mr. Scott Bailis	Scott.Bailis@riversideschools.net	X4311
Class of 2030	Mrs. Jamie Clark	Jamie.Clark@riversideschools.net	X4307
Class of 2031	Ms. Anne Stoutenborough	Anne.Stoutenborough@riversideschools.net	X4314

Director of Guidance- Mr. Scott Bailis

Guidance Secretary - Mrs. Karla Keller - Karla.Keller@riversideschools.net X 4302

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Art Department

COURSE DESCRIPTION CATALOG 2026-2027

All courses in the Art Department meet the Fine Arts Requirement for graduation

ART101/102 ART 1 – 2 semesters – 1 credit (9, 10, 11, 12)

Prerequisite: **Successful completion of 8th-grade art is helpful**

Art 1 is the introductory course in art. This course is designed to expose the beginning art student to a variety of art experiences including drawing, painting, two and three-dimensional design and printmaking. Students will be required to complete original artwork that is not traced or copied from outside sources. Students will be required to take original reference photos and turn them in digitally. Work is done on a project basis and is graded on an individual rubric based on the following criteria: craftsmanship, value, color, composition, technique, drawing, proportion, design, growth, studio habits and reflection. Written tests and exams will be based on vocabulary and art concepts, materials and techniques. Students will be required to create and present a digital portfolio of their work using a teacher designed template. Good attendance is imperative for successful completion of this class, for most of the work is completed in class.

ART110 ART APPRECIATION – 1 semester – ½ credit (9, 10, 11, 12)

The course is designed to provide students with a basic awareness of the elements and principles of art. Students who have not taken an art course since 8th grade are eligible for this course. Art Appreciation is a non-studio art class, so when projects are completed they will be graded on how well the students followed the directions and completeness. Projects are often related to historical periods, world religions and major artists. Students will be expected to come to class every day prepared to create artwork, participate in class discussions, take notes, do research on their own, and complete written assignments. Students' grades are composed of in-class fill-in assignments, small studio projects, open note assessments, student research, group work, class participation, and notebook checks. Good attendance is imperative for this class, for all work is completed in class, and class notes are required to complete all assignments. For more specific information about content and artists, [click here](#).

ART120 SCULPTURE FUNDAMENTALS - 1 semester - ½ credit (9,10,11,12)

Sculpture class is a studio art class where students create three-dimensional art projects using a variety of materials to explore form and texture. The curriculum is “project-based,” thus individual rubrics are provided based on the following criteria: craftsmanship, form, color, composition, technique, proportion, design, growth and reflection. Some written tests and exams will be included in the curriculum and are based on vocabulary, art concepts, materials, and techniques. Students will be required to complete research on artists and create and present a presentation. The final exam for the class is a portfolio that they will present in front of their peers.

Art Department

COURSE DESCRIPTION CATALOG 2026-2027

ART130 - POP CULTURE ART - 1 nine weeks - 1/4 Credit - (9, 10, 11, 12)

This course **must** be taken along with **MUS130 - POP CULTURE MUSIC**

Students will take nine weeks of a Pop Culture Art Class and nine weeks of Pop Culture Music Class and complete a cumulative exam at the end of the semester covering material from both classes. Combined, both classes will fulfill ½ of the required fine arts credit for graduation.

This is a collaborative class between the Music and Art Department in which students will explore the Pop Art Movement beginning in the late 1950's and its effects on our culture as well as its influence on Modern and Contemporary Art. In the Pop Art portion of the class students will explore the Pop Art Movement through studying the big hitters of the movement such as Andy Warhol and Claes Oldenburg and explore how these artists changed the game for the art world. They will also study the artists that followed in the Pop Art style and explore how the original Pop artists influenced art and American culture today. Students will be required to take notes, have discussions, complete presentations, complete assessments and create their own masterpieces in the style of the artists. Similar to Art Appreciation, the grade received for the art projects are from following directions, craftsmanship and completeness. You do not need to be an extremely skilled artist, but it helps if you enjoy creating art projects. Grades are also composed of in class fill in assignments, open note assessments, student research, group work, class participation, and notebook checks. Good attendance is imperative for this class, for all work is completed in class, and class notes are required to complete all assignments. For more specific information about content and artists, [click here.](#)

ART201/202 ART 2 – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: Successful completion of ART 1 and Teacher Recommendation

This course expands and further develops the fundamental skills learned in Art 1, and introduces new materials and techniques. During the course, every effort is made to acquaint the student with the vastness of the field of art as well as assisting the development of the student's own unique, individual style. Projects are evaluated on the student's individual development rather than in comparison with the works of others in the class. Written tests and exams will be based on vocabulary and art concepts, materials and techniques. Students will be required to create and present a digital portfolio of their work using a teacher designed template. Good attendance is imperative for successful completion of this class, for most of the work is completed in class.

Art Department

COURSE DESCRIPTION CATALOG 2026-2027

ART211/212 Art 2 Honors- 2 Semesters - 1 credit (10,11,12)

Prerequisite: Application and teacher recommendation (see art teacher for more info)

GPA Weighted course

[**REVIEW THIS DOCUMENT- ADDITIONAL COURSE DETAILS**](#)

This honors-level studio art course sequence is designed for students with a strong commitment to developing their artistic skills and personal vision. Students will engage in advanced experimentation with diverse materials and techniques, emphasizing creative risk-taking and sustained investigation of ideas through practice, revision, and reflection. The course focuses on building a cohesive portfolio that showcases individual style and artistic voice. Students will regularly document their creative process through artist statements and written reflections. Expectations include weekly sketchbook assignments to develop skills, adherence to an Artistic Integrity Agreement ensuring original work, and a commitment to deadlines, with no late submissions accepted for sketchbook work. This course offers credit and challenges students to grow both technically and conceptually, fostering independence and professional artistic practices.

ART210 PHOTOGRAPHY – 1 semester – ½ credit (10, 11, 12)

An introduction to the fundamentals of photography, this course concentrates on using negative films for prints and use of a darkroom. Basic 35mm SLR camera operation, shutter speed, aperture, proper film selection, light metering, film exposure, image composition, and lens selection are topics covered. Darkroom techniques including film and paper processing are implemented. Students will be responsible for researching other photographers, completing written assignments, and taking photos outside of class. Students will be responsible for following the class calendar that is set the first week of class. We work on student responsibility, ownership, independence, and being a reliable classmate throughout the semester. Students will create a portfolio that they will present during the exam block. **STUDENTS MUST HAVE ACCESS TO A 35 MM SLR FILM CAMERA WITH AN ADJUSTABLE SHUTTER, APERTURE, AND LENS. .**

***The school has a limited number of cameras for students to sign out on a day by day basis.**

Art Department

COURSE DESCRIPTION CATALOG 2026-2027

ART220 PHOTOGRAPHY 2 - 1 semester – ½ credit (10, 11, 12)

Prerequisite: Teacher recommendation and approval required

To enroll in this class you must email the teacher and your guidance counselor, the teacher will approve your enrollment and you will be placed in a block that the teacher has a class but not Photography 1.

Students take what they learn in Photography 1 and build on it with experimental techniques and projects. This class has an independent self-guided course of study that requires the student to work predominantly on their own meeting with the teacher weekly to discuss progress. Students will do a 9 week check in where they will get graded on a written rubric for the first 9 weeks of work. At this time they should have 11 projects complete and have a plan for weeks 14-18 ready to show the teacher. Students are required to add to their Photo 1 digital portfolio of work and present it at the end of the semester to the teacher. Students will need to sign up for an exam time to meet with the teacher, this takes about 15 minutes. The teacher and the student will go over all their 18 projects and their digital portfolio. Students earn one final grade, there is no online gradebook for this class, so it is important that if parents/guardians would like an update on their students work they should have a conversation with their student and ask to see their progression.

ART230 PHOTOGRAPHY 3 – 1 semester – ½ credit (11, 12)

Prerequisite: Teacher recommendation and approval required

To enroll in this class you must email the teacher and your guidance counselor, the teacher will approve your enrollment and you will be placed in a block that the teacher has a class. This class is not offered every semester.

Students use their previous knowledge of composition and darkroom editing and apply it to digital photography. Students take photographs on a regular basis and learn the basics of computer editing software to enhance photographic compositions. It is helpful for a student to have access to a digital SLR camera. This class has an independent self-guided course of study that requires the student to work predominantly on their own, meeting with the teacher at least 3 times a week to discuss progress. Enrollment in this class requires flex credit paperwork and approval by the teacher. Students are required to create a portfolio of their work and present it at the end of the semester. Students earn one final grade, there is no online gradebook for this class, so it is important that if parents/guardians would like an update on their student's work, they should have a conversation with their student and ask to see their progression.

Art Department

COURSE DESCRIPTION CATALOG 2026-2027

ART240 PHOTOGRAPHY 4 – 1 semester – ½ credit (11, 12)

Prerequisite: Teacher recommendation and approval required

To enroll in this class you must email the teacher and your guidance counselor, the teacher will approve your enrollment and you will be placed in a block that the teacher has a class. This class is not offered every semester.

The objective of the class is to give Photography students a chance to use the darkroom and editing software to build their portfolio for college. Students are required to create a portfolio of their work and present it at the end of the semester. This class has an independent self-guided course of study that requires the student to work predominantly on their own, meeting with the teacher at least 3 times a week to discuss progress. Enrollment in this class requires flex credit paperwork and approval by the teacher. Students earn one final grade, there is no online gradebook for this class, so it is important that if parents/guardians would like an update on their students work they should have a conversation with their student and ask to see their progression.

ART301/302 ART 3 – 2 semesters – 1 credit (11, 12)

Prerequisite: Successful completion of Art 2 and Teacher Recommendation

Students will expand upon their art foundation and work to develop more conceptual pieces in this advanced art course. Projects will allow students to express themselves in new ways, while challenging their ability to creatively develop more individualized pieces. Art 3 will introduce students to new media and techniques and allow students to become more engaged in the creative process. Students will be required to work diligently in their sketchbook to develop their ideas, and continue to strengthen their drawing ability. Students will continue to add, and perfect their digital portfolio of their work.

ART311/312 Art 3 Honors- 2 Semesters - 1 credit (11,12)

Prerequisite: Application and teacher recommendation (see art teacher for more info)

GPA Weighted course

[REVIEW THIS DOCUMENT- ADDITIONAL COURSE DETAILS](#)

This **honors-level** studio art course sequence is designed for students with a strong commitment to developing their artistic skills and personal vision. Students will engage in advanced experimentation with diverse materials and techniques, emphasizing creative risk-taking and sustained investigation of ideas through practice, revision, and reflection. The course focuses on building a cohesive portfolio that showcases individual style and artistic voice. Students will regularly document their creative process through artist statements and written reflections. Expectations include weekly sketchbook assignments to develop skills, adherence to an Artistic Integrity Agreement ensuring original work, and a commitment to deadlines, with no late submissions accepted for sketchbook work. This course offers credit and challenges students to grow both technically and conceptually, fostering independence and professional artistic practices.

Art Department

COURSE DESCRIPTION CATALOG 2026-2027

ART401/402 ART 4 – 2 semesters – 1 credit (12)

Prerequisite: Successful completion of Art 3 and Teacher Recommendation

This advanced studio class is dedicated to the creation of high level pieces that push Seniors in new and exciting ways by challenging their artisanship and creativity. All projects for this final art course are open medium to allow students to successfully culminate their final digital portfolio. Projects will involve independent inquiry and research as students will create projects of their choice within given topics and themes. Sketchbooks will be utilized frequently to develop project proposals, as well as refine student's drawing skills. Final projects include a ceiling tile, as well as participation in a Senior Art show at a local art gallery.

ART411412 Art 4 Honors- 2 Semesters - 1 credit (12)

Prerequisite: Application and teacher recommendation (see art teacher for more info)

GPA Weighted course

[REVIEW THIS DOCUMENT- ADDITIONAL COURSE DETAILS](#)

This honors-level studio art course sequence is designed for students with a strong commitment to developing their artistic skills and personal vision. Students will engage in advanced experimentation with diverse materials and techniques, emphasizing creative risk-taking and sustained investigation of ideas through practice, revision, and reflection. The course focuses on building a cohesive portfolio that showcases individual style and artistic voice. Students will regularly document their creative process through artist statements and written reflections. Expectations include weekly sketchbook assignments to develop skills, adherence to an Artistic Integrity Agreement ensuring original work, and a commitment to deadlines, with no late submissions accepted for sketchbook work. This course offers credit and challenges students to grow both technically and conceptually, fostering independence and professional artistic practices.

Business Department

COURSE DESCRIPTION CATALOG 2026-2027

Courses in this department may be combined to provide entry-level skills to students wishing to enter the business world or provide a framework for students to continue their studies beyond high school. Courses are also provided to help students learn life skills such as using Microsoft Word, Excel, and PowerPoint, and mastering computer applications.

BUS100 MICROSOFT APPLICATIONS - 1 semester - ½ credit - (9, 10, 11, 12)

*Satisfies graduation requirement for **Technology***

Microsoft Applications provides students with hands-on experience using the key tools of the Microsoft Office Suite, including Word, Excel, and PowerPoint. Students will develop essential technology skills needed for success in high school, college, and the workplace. Throughout the course, students will learn intermediate features of each application while creating professional documents such as reports, business letters, tables, newsletters, spreadsheets, presentations, and brochures. Emphasis is placed on real-world application, digital literacy, and productivity. The course aligns with the International Society for Technology in Education (ISTE) Standards and Ohio's Learner Technology Standards.

BUS111/112 COMPUTER SCIENCE ESSENTIALS - 2 semesters - 1 credit (9, 10, 11, 12)

*Satisfies graduation requirement for **Technology***

Computer Science Essentials introduces students to foundational concepts in computer science through hands-on, project-based learning. Students begin with visual, block-based programming and gradually transition into text-based programming languages such as Python. Throughout the course, students create apps, design websites, and explore how computers communicate and work together to bring ideas to life. Learners apply computational thinking, practice problem-solving, build technical vocabulary, and collaborate using workflows similar to those of real-world computing professionals. Projects encourage students to explore meaningful topics and design solutions to problems they care about. The course aligns with the International Society for Technology in Education (ISTE) Standards and Ohio's Learner Technology Standards.

BUS200 DIGITAL MEDIA - 1 semester - ½ credit (10, 11, 12)

*Satisfies graduation requirement for **Technology***

Digital Media is an introductory course that explores the fast-changing world of visual communication and digital design. Students gain hands-on experience using industry-standard software and equipment while developing skills in graphic design, digital illustration, image editing, and basic photography. Throughout the course, students analyze design concepts and apply them to create a variety of digital projects. The semester culminates in the creation of an online digital portfolio showcasing their work and design reflections. This course aligns with the International Society for Technology in Education (ISTE) Standards and Ohio's Learner Technology Standards.

Business Department

COURSE DESCRIPTION CATALOG 2026-2027

BUS211/212 COMPUTER SCIENCE PRINCIPLES - 2 semesters - 1 credit (10, 11, 12)

Prerequisite: Successful Completion of Computer Science Essentials (BUS111/112)

Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course aligns to the AP CS principles framework and with the International Society for Technology in Education (ISTE) standards.

BUS221/222 ACCOUNTING 1 – 2 semesters – 1 credit (10, 11, 12)

Accounting I prepares students for an entry-level job in the accounting field. This course also prepares the college-bound student with a firm accounting background for a career in business and finance. Students will learn accounting principles by applying them daily in the classroom.

BUS241/242 PRINCIPLES OF BUSINESS/SCHOOL STORE - 2 Semesters - 1 Credit (11, 12)

In this engaging, hands-on course, students will learn about the key principles of business and put those skills into real-world practice by managing and operating an active school storefront. The key principles covered in this course will include: production, management, operations, accounting, and marketing. Students will showcase the business skills they've learned by working in the school store during class time and outside of regular school hours.

CSC100 - Introduction to Python Programming - 1 semester - ½ Credit (8,9)

*Satisfies graduation requirement for **Technology***

Welcome to the world of Python programming! In this course, you'll learn the basics of Python, a powerful and versatile programming language. Together, we'll explore key topics like creating and using functions, writing step-by-step solutions, and tackling challenges creatively. Projects are designed to help you practice and understand what you've learned, making coding both engaging and practical. By the end of this course, you'll have a fundamental foundation in Python programming that will prepare you for future computer science courses here at Riverside Campus. Get ready to code, create, and explore!

Business Department

COURSE DESCRIPTION CATALOG 2026-2027

YRB201/202- RHS YEARBOOK - 2 semesters - 1 credit (10, 11, 12)

In this cross-curricular, project-based class, students work collaboratively by using technology to digitally produce the annual Riverside High School yearbook. In this course, students will gain skills in page design, advanced publishing techniques, copywriting, editing, and photography while producing a creative, innovative yearbook to tell the story of the school community in an engaging way. Participants gain useful, real-world skills in time management, marketing, teamwork, and design principles. Students will be expected to attend some after school activities to conduct interviews, take photographs, and gather other journalistic-copy materials.

BUS421/422 CYBERSECURITY - 2 Semesters - 1 credit (11,12)

Cybersecurity is a year-long, hands-on course that introduces students to the foundational principles, technologies, and practices used to protect information systems. Using industry-aligned curriculum based on the CompTIA Security+ domains, students explore topics such as threat analysis, network and system security, cryptography, identity and access management, incident response, governance, and risk management. Throughout the course, students engage in labs, simulations, and real-world scenarios that build critical thinking and technical problem-solving skills. Emphasis is placed on understanding emerging threats, analyzing vulnerabilities, and applying security best practices. Students will also explore cybersecurity careers and industry credentials, preparing them for future pathways in information technology and cyber defense. This course aligns with the International Society for Technology in Education (ISTE) Standards and Ohio's Learner Technology Standards.

IND401/402 ADVANCED MANUFACTURING - 2 Semesters - 1 credit - (11,12)

Advanced Manufacturing introduces students to the principles, technologies, and practices used in modern manufacturing environments. Through hands-on projects, self-guided lessons, and real-world simulations, students explore topics including manufacturing history, workplace safety, production processes, design, and operations management. Participants will have the opportunity to earn industry-recognized certifications, including the Certified Manufacturing Associate credential, providing practical skills that can be applied immediately in the workforce. This course prepares students for careers in manufacturing, engineering, and related technical fields, emphasizing problem-solving, precision, and innovation.

English Department

COURSE DESCRIPTION CATALOG 2026-2027

ENG101/102 ENGLISH 1 - 2 semesters - 1 credit (9)

This class will blend the college board PreAP Eng 1 curriculum with our local curriculum and standards. During the course of the year, students receive instruction in reading analysis of literature and writing with an introduction to the research paper. The literature units focus on short stories, poetry, drama, and novels. Literary terms, composition, and analysis skills are also taught. Students should be reading at or above grade level. Students should have a good work ethic and have a basic mastery of the fundamentals of spelling, punctuation, and sentence formation in order to achieve success in this class.

ENG111/112 ENGLISH 1 Honors - 2 semesters - 1 credit (9) - **GPA Weighted Course**

*Prerequisite: **English 8 Honors or English 8 teacher recommendation***

This course will focus on the college board PreAP Eng 1 curriculum and will move at an accelerated pace. The four units covered in this course include short story, poetry/drama, informational text, and novel. Students will study sentence construction, editing, and vocabulary as well as analysis of literature. Students will be expected to read several works on their own, and they will write several extended essays including informative, persuasive, analysis and research. Long-term projects will complement their reading assignments. Students should read well above grade level, demonstrate an excellent self-motivation and work ethic, and have mature behavior and attitude. Summer reading will be required.

ENG120 – INTRODUCTION TO THEATRE - 1 semester – ½ credit (9, 10, 11, 12)

Meets Fine Art requirement for graduation

The course begins with practice in posture, voice control, pantomime, improvisation, and characterization. The theory portion of the class includes the structure, styles, and history of drama. Drama offers experience in all phases of play production, including student-selected scenes that are presented to the class. Student awareness of theater activity is encouraged through reports of Broadway musicals and attendance of production (field trip), if possible. Students prepare a one-act with a production team.

ENG201/202 ENGLISH 2 - 2 semesters - 1 credit (10)

*Prerequisite: **English 1***

This class will blend the college board PreAP Eng 2 curriculum with our local curriculum and standards. Students will explore issues and themes unique to the American experience and make connections with major American writers. In addition, students will explore art, music, and film in a cross-curricular approach to enhance their understanding of who we are as a nation. Students will demonstrate their understanding of literary concepts through writing assignments based on reflection, analysis, and research.

English Department

COURSE DESCRIPTION CATALOG 2026-2027

ENG 211/212 ENGLISH 2 Honors - 2 semesters - 1 credit (10) - GPA Weighted Course

Prerequisite: English 1 Honors or English 1 teacher recommendation

This course will focus on the College Board Pre AP English 2 curriculum and will move at an accelerated pace. Designed to prepare students for AP Language and Composition. Literature and nonfiction centers around journeys, both literal and figurative. This course also has an intense focus on expository and research writing. Student write multiple research pages of extended length. Summer reading will be required.

ENG220 CREATIVE WRITING – 1-semester ½ credit (11,12)

Prerequisite: English 2 CP

The student is introduced to methods of creative writing as well as the basic principles of journalism. Various writing projects including poetry and prose are required. Students keep a writing journal and are urged to see their surroundings with a fresh viewpoint. Critical evaluation of the students' projects will be included. Students will produce a literary/journalistic magazine at the end of the semester.

ENG231/232 AP Seminar - 2 semesters - 1 credit (10) - GPA Weighted Course

Prerequisite: English 1 Honors or English 1 teacher recommendation

Students enrolled in this course will be required to take the Advanced Placement exam in May.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments (College Board, 2020).

ENG301/302 LITERATURE & FILM – 2 semesters – 1 credit (11)

Prerequisite: English 2

This course will allow students to study film and its relationship to literature. Students will learn how to recognize, explain, analyze and evaluate the literary, dynamic, and cinematic aspects of film. You will consider what happens when a variety of short stories, plays, and novels are made into a film. You will also examine how we approach film and literary texts differently, as well as how we view and read these texts. Students will be requested to be active participants in film viewings and discussions.

English Department

COURSE DESCRIPTION CATALOG 2026-2027

ENG311/312 GOTHIC LITERATURE – 2 semesters – 1 credit (11)

Prerequisite: English 2

This course will allow students to examine themes, conventions, formal structures, and historical contexts to explore how the Gothic tradition evolved into a sophisticated form for addressing unspoken fears and unconscious desires. By reading and analyzing short stories, poetry, novels, and nonfiction, students will attempt to understand society's collective cultural fears and draw contemporary connections. Additionally, students will further develop their writing skills through a series of compositions that will enhance their abilities to think critically, argue persuasively, and write sophisticated prose that adheres to conventional standards of grammar and usage.

ENG321/322 ENGLISH LANGUAGE & COMPOSITION AP – 2 Semesters – 1 credit (11)

GPA Weighted Course

Prerequisite: English 2 Honors or English 2 teacher recommendation

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Through their writing and reading, students demonstrate their knowledge and understanding of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language, contribute to effectiveness in writing. This course focuses primarily on nonfiction works, with some incorporation of literature, and students write the following types of essays: rhetorical analysis, argumentation, and synthesis. Students are strongly encouraged to take the AP English Language and Composition Exam in May, through which college credit may be earned. **Summer reading will be required.**

ENG401/402 ENGLISH 4 - 2 Semesters - 1 credit (12)

Prerequisite: Literature & Film or Gothic Literature

This class allows students to explore their career paths while improving their professional and personal writing and researching skills. Writing for resumes, personal essays, technical manuals, written documentation, reports and informational writing will be structured and developed. Fiction and Non-fiction elements will be introduced to spark conversation and written responses. Students will focus on complete and comprehensive responses, making relevant connections, inferences, and applications to their own community.

English Department

COURSE DESCRIPTION CATALOG 2026-2027

ENG411/412 ENGLISH 4 SEMINAR - 2 Semesters - 1 credit (12)

Prerequisite: Literature & Film or Gothic Literature

Thinking about college? This Senior English class is built to help you **feel confident walking into your first college classroom**. While the material reflects 12th-grade standards, the course is run like a **freshman college class**, with lectures, discussions, independent work, presentations, hybrid time, and office hours. You'll improve your **writing, research, and critical-thinking skills** through personal and academic essays, philosophy-based discussions, and projects that reflect the skills you will need in a freshman composition class. We will focus on **time-management, organization, and communication skills** that matter in college and beyond. Students will have the opportunity to personalize their learning through content selection and learning evidence. As a bonus, **students earn their Lean Six Sigma Leadership and Yellow Belt Certification**, giving you a standout credential for college applications and future careers.

Students who are not considering college are more than welcome in Seminar. Even though the class does focus on college skill development, many of the same skills are used within careers and the workforce.

ENG421/422 ENGLISH LITERATURE & COMPOSITION AP - 2 Semesters – 1 credit (12)

GPA Weighted Course

Prerequisite: English Language & Composition AP or 11th Grade English teacher recommendation

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course continues the critical and close reading of a variety of poems, plays, short stories, and novels. Students also focus on the principles of literary criticism. Students explore the writing process as they learn various techniques by studying professional writers and applying these techniques in their own compositions. Students will learn about elements of the Advanced Placement English Literature and Composition Examination and begin their preparation for university courses in literature and composition. Summer reading will be required.

English Department

COURSE DESCRIPTION CATALOG 2026-2027

LDS301/302 LEADERSHIP & ENTREPRENEURIAL MINDSET – 2 semesters – 1 credit (11, 12)

Prerequisite: **Students who register for this course must meet with Mrs. McIntyre and Mr. Schmidt before the end of the current school year to discuss objectives and out-of-school time requirements of this course.**

Over the course of this year-long Project-Based class, students will focus on developing problem-solving, collaboration, presentation, and inquiry skills. Practical application will include serving as 8th Grade SIDE Mentors during advisory, serving as leaders for various Riverside events and activities, and developing and implementing projects that will improve the Riverside Community.

LDS401/402 Leadership & Service - full year - (12)

Prerequisite: **Leadership & Entrepreneurial Mindset (LDS301/302)**

Over the course of this year-long project-based class, students will continue to work on their problem solving, collaboration, presentation, and inquiry skills. Having already taken Leadership & Entrepreneurial Mindset, these students will serve as leaders in class, in SIDE Advisories, and within our district. Building upon the previous year, students will learn about and provide service to our Riverside Community.

ENG461/462 PUBLIC & COMMUNITY SERVICE - 2 semesters - 1 credit - (11,12)

Build your résumé for college and career while earning an internationally recognized **Lean Six Sigma Green Belt Certification**. Students apply Lean Six Sigma methods through hands-on experiences in social services, public safety, and nonprofit pathways, including fundraising and local volunteer work. This course emphasizes process improvement, communication skills, leadership, and career exploration. Students may earn **one 12-point industry-recognized credential** upon successful completion.

Health and Physical Education

COURSE DESCRIPTION CATALOG 2026-2027

HLT100 HEALTH – 1 semester – ½ credit (9)

The course is designed to contribute to the optimal health of students. Content areas include mental and emotional health; causes, prevention, and control of diseases; use and misuse of tobacco, alcohol, and drugs; human sexuality; emergency response; fitness and nutrition. A wide variety of methods and activities are used to present information in specific content areas. These include: small group discussion, use of current video; application of related computer programs; use of current articles; as well as guest speakers with expertise in a given area.

PE0110 PHYSICAL EDUCATION – 1 semester – ¼ credit (9)

This course is designed to allow for active competitive participation in a variety of team, partner, and individual sports. The use of a focused tactical approach will allow students time to develop game skills concepts, tactics, and strategies that can transfer across different categories of games. While using the sports education model, students will become more aware of every aspect of the sport while developing a positive cooperative atmosphere that promotes psychomotor, cognitive, and affective development. Students will utilize the Riverside Campus' athletic performance center (RAPC) as they are exposed to strength training and conditioning.

PE0210 LIFETIME PURSUITS – 1 semester – ¼ credit (10)

This course is designed to promote proficiency in a variety of general fitness activities in order to promote a healthy lifestyle. Through active participation, students will also develop basic knowledge and experience in free weight training, walking for fitness, agility, cardiovascular exercise, interval training, pilates, yoga, and general flexibility methods. This course will promote the improvement of all of the components of fitness, knowledge of nutrition concepts, and general overall health.

PE0220 COMPETITIVE GAMES– 1 semester – ¼ credit (10)

This course is designed to introduce students to a variety of competitive and non-competitive activities that can be pursued throughout life. Students will be able to demonstrate physical skills as well as show the knowledge of tactics and strategies in a variety of authentic and small-sided games. The use of a focused tactical approach will allow students time to develop game skills concepts, tactics, and strategies that can transfer across different categories of games. While using the sport education model, students will become more aware of every aspect of the sport while developing a positive cooperative atmosphere that promotes psychomotor, cognitive, and affective development. Students will also develop social skills to work cooperatively while aiding in providing a positive learning atmosphere for everyone within a physical setting.

Health and Physical Education

COURSE DESCRIPTION CATALOG 2026-2027

PE0230 TRAINING and CONDITIONING – 1 semester – ¼ credit (10)

This course is designed to promote proficiency in strength, general conditioning, and personal fitness through a variety of activities. Students will be introduced to proper lifting techniques while promoting a safe and appropriate atmosphere. Through active participation, students will also develop a basic knowledge of weight training techniques, safety precautions, guidelines for setting up a weight training program, and the importance of flexibility and agility. This course will promote the improvement of the components of fitness, knowledge of nutrition concepts as they relate to an active life and overall personal fitness. This course will include sport-specific plans for strength and conditioning. This course may be taken multiple times in future semesters, once your Physical Education graduation requirement has been met.

Applied Technology Department

COURSE DESCRIPTION CATALOG 2026-2027

****Indicates it meets Technology Requirements**

IND100 EXPLORING TECHNOLOGY & ENGINEERING ** – 1 semester – ½ credit (9, 10)

This course allows students to explore basic technology and engineering concepts and principles along with related career fields. Topics include technical drawing, computer-aided drafting (CAD), construction, transportation, and electricity. All activities are structured to integrate science, mathematics, and language arts. This course and its hands-on projects will help students interested in construction, technical or engineering career fields.

IND110 WOOD TECH 1 – 1 semester – .50 credit (9, 10, 11, 12)

This course offers students an introduction to basic woodworking skills. Safety is the primary concept taught in this course as students learn how to work and act in a shop setting. Students learn from the beginning fundamental skills such as: reading the ruler, sharpening tools, the safe use of hand and power tools, and how to operate industrial woodworking machines. Various Ohio mathematical standards are reinforced as students become comfortable measuring with a ruler and using fractions. The importance of properly cared for hand tools is stressed and students also learn how to clean and maintain a safe wood shop. All aspects of safety are stressed where students learn how to not only conduct themselves properly in a shop but also the correct ways to use both hand tools and power equipment. Students will complete three required projects, a mail organizer, jewelry box and a pedestal table.

IND210 WOOD TECH 2 – 1 semester – .50 credit (10, 11, 12)

Prerequisite: Wood Tech 1

In this course, students will expand on the basic skills learned in Woodworking 1. Students interested in both interior design and cabinet making should excel in this class as creativity is encouraged in individual projects. Safe work habits are expected during the class with students taking more responsibility in the shop. Students are required to either procure existing plans or develop ones incorporating both function and design. Ohio mathematical standards are continually addressed using measurement and geometry.

IND220 ENGINEERING & ARCHITECTURAL DESIGN 1** – 1 semester – 1/2 credit (10, 11, 12)

This course provides students with the opportunity to explore the basic drafting skills required by many professions such as engineering, architecture, construction, and technical trades. The course will introduce students to traditional drafting techniques, including multi-view, pictorial, and perspective drawings. Students will learn dimensioning and technical sketching skills as well as precision measuring and scaling. Students will then be introduced to AutoCAD, which is the industry standard for computer-based design, engineering, and drafting. Students are encouraged to maintain a portfolio of their work for entry into a college program or technical school.

Applied Technology Department

COURSE DESCRIPTION CATALOG 2026-2027

IND230 INTRODUCTION TO ENGINEERING** - 1 semesters - 1 credit (9, 10, 11, 12)

Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of projects using 3-D modeling software, and use an engineering notebook to document their work.

IND251/252 ENGINEERING & ARCHITECTURAL DESIGN 2** – 2 semesters - 1 credit (11,12)

*Prerequisite: **Engineering and Architectural Design 1***

An accelerated engineering drawing course for students interested in careers in engineering, architecture, design, or computer-assisted drafting. Orthographic projection (multi-view drawing) is taught. Correct dimensioning practices are used and auxiliary views developed. Sections (cut-away views that describe the interior of objects) and isometric (pictorial) drawings are completed. The use of computers for drawing purposes is introduced. This course also will describe basic house construction. The site, foundation, and floor plans will be developed. Emphasis will be placed on kitchen design. Students will frame a model house of their design. Elevations will be drawn. Computer-assisted drawing techniques will be utilized where appropriate.

CAREER ELECTIVE

WLD401/402 - Welding - 2 semester - 3 credits - (11,12)

This course meets for two blocks, every day. The morning session meets 1st and 2nd block and the afternoon session meets 3rd and 4th block. Students will have the opportunity to gain AWS Welding Procedure Certification in several welding processes. Students will be expected to take an online safety course. Students will be required to purchase welding safety equipment and dress for an industrial setting in the lab daily.

World Language Department

COURSE DESCRIPTION CATALOG 2026-2027

It is recommended that the student pass the first semester of a language course, or have written permission of the instructor to continue in the class the second semester.

FGN100 - EXPLORING CULTURES- One Semester-1/2 credit- (9,10,11,12)

The exploring cultures class will be about experiencing different cultures from French speaking countries, Spanish speaking countries, Italy, Germany and other regions. Through music, art, food, celebrations, and history we will look at how these compare and contrast to our culture. There will be very little language except for a few words and greetings.

FGN121/122 – CONVERSATIONAL SPANISH – 2 Semesters – 1 Credit (10,11,12)

Prerequisite: World Languages Department recommendation

This course is designed for students who have a high level of proficiency in the Spanish language. You should be able to successfully handle verb tenses and conjugations, as well as possess a wide range of vocabulary. It is designed for students who are interested in advancing and practicing their Spanish, and who are also interested in learning and exploring different forms of Hispanic culture. This course will help students to effectively engage in a variety of basic communicative, real-life situations in Spanish. The course will provide speaking opportunities to gain personal self-confidence and reduce the fear of speaking in a world language. Students will be able to write and deliver short speeches, opinions, and debate using correct grammar and vocabulary and using academic Spanish. This course will involve occasions to use the target language both formally and informally. Students will gain new insights and deeper knowledge of the language and culture, allowing them to establish comparisons. This conversational class will provide different means to practice speaking in Spanish. Some of the materials we utilize in the class include, but are not limited to: movies, videos, songs, short readings, and newspaper articles.

FGN101/102 FRENCH 1–2 semesters–1credit (8,9,10,11,12)

Emphasis is on developing comprehension of spoken French and a basic understanding of high-frequency vocabulary, phrases, and structure through listening, reading, writing, and speaking. Topics include greetings, introductions, alphabet, accent marks, numbers, commands, classroom objects, self, family, physical and personality descriptions, school subjects, school activities, calendar, time and date. Students can expect to express personal likes, dislikes, preferences and basic personal information including how often they do activities. They will be able to ask about and identify individuals and tell what they need. People, cultures and countries of the Francophone world are introduced.

World Language Department

COURSE DESCRIPTION CATALOG 2026-2027

FGN201/202 FRENCH 2—2 semesters—1 credit (9,10,11,12)

Prerequisite: French 1 teacher recommendation

The focus is the further development of the French language in terms of comprehension and speaking skills, as well as increased exposure to the written language. New grammar concepts are presented such as the near future, the past tense, the imperative and several verb categories: -er, -ir, -re, irregular and exceptional. Communicative activities and readings are based on cultural context and real-life situations. Students must analyze and synthesize information from a variety of sources. Topics include school supplies, sports and pastimes, places, weather, food, restaurant vocabulary, clothing and accessories, and chores in daily life. A strong basis from the first year is necessary for success at this level as students ask and tell about their interests, extend invitations, form questions and commands, offer and ask for help when shopping, and ask for and give/refuse permission.

FGN301/302 FRENCH 3 – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: French 2 teacher recommendation

The third year of French includes the further development of writing and reading skills. The refinement of communicative skills is stressed. Additional vocabulary includes celebrations, party preparations, fruits, vegetables, food shopping, France's specialty shops, school places and events. The grammatical structures are more intricate. English/French grammar is taught, including object pronouns and their placement: le, la, les, l', lui, leur, y and en with the passé composé of avoir and être verbs and their negation. A strong basis from the first two years of the language is necessary for success.

FGN401/402 FRENCH 4 – 2 semesters – 1 credit (11, 12)

Prerequisite: French 3 teacher recommendation

The development and refinement of the four language skills (listening comprehension, speech, reading, and writing) is stressed. Fluency is expected, and students must manipulate grammatical structures. Students add a substantial amount of vocabulary to their knowledge base: morning routines, daily routines, childhood activities, country life, camping, nature, animals, and parts of the body. The culture of the French-speaking world is also experienced with extended supplemental readings. This level requires a strong working knowledge of vocabulary and language mechanics as we embark upon reflexive verbs in the passé composé and with imperatives, the imparfait, adverb placement, comparatives, superlatives, the future and the subjunctive. Self-motivation on the part of the student is key!

World Language Department

COURSE DESCRIPTION CATALOG 2026-2027

FGN111/112 SPANISH 1 – 2 semesters – 1 credit - (8, 9, 10, 11, 12)

Emphasis is on developing comprehension of spoken Spanish and a basic understanding of high-frequency vocabulary, phrases, and structures through listening, reading, writing, and speaking. Topics include family, school, food, restaurants, clothing, health and the body, weather, time and date. Students can expect to express personal preferences and basic personal information. People, cultures and countries of the Hispanic world are introduced.

FGN211/212 SPANISH 2 – 2 semesters – 1 credit - (9, 10, 11, 12)

*Prerequisite: **Spanish 1 teacher recommendation***

The focus is on the further development of comprehension and speaking skills, as well as increased exposure to the written language. New grammar concepts are presented, such as multiple past tenses and the imperative. Communicative activities and readings are based on cultural context and real-life situations. Students must analyze and synthesize information from a variety of sources. Topics include towns and cities, food, childhood memories and experiences, daily life, and healthy habits. A strong basis from the first year is necessary for success at this level.

FGN311/312 SPANISH 3 – 2 semesters – 1 credit - (10, 11, 12)

*Prerequisite: **Spanish 2 teacher recommendation***

The third-year includes the further development of writing and reading skills. The refinement of communicative skills is stressed. Additional vocabulary includes pastimes and personal experiences like expressing one's hopes and emotions. The grammatical structures are more intricate. English grammar is taught, including object pronouns and their placement; the future and conditional tenses; along with the subjunctive as opposed to the indicative mood. A strong basis from the first two years of the language is necessary for success.

FGN411/412 SPANISH 4 – 2 semesters – 1 credit - (11, 12)

*Prerequisite: **Spanish 3 teacher recommendation***

The development and refinement of the four language skills (listening comprehension, speech, reading, and writing) are stressed. Fluency is expected, and students must manipulate grammatical structures. Students add a substantial amount of vocabulary to their knowledge base. The culture of the Spanish-speaking world is also experienced. This level requires a strong working knowledge of vocabulary and language mechanics, as well as self-motivation on the part of the student.

Family and Consumer Science Department

COURSE DESCRIPTION CATALOG 2026-2027

NOTE: An Action Project is an experience that involves personal, home, school or community services or needs. Credit is given for the Action Project and is part of all courses in this department.

FCS200 PRINCIPLES OF FOODS – 1 semester – .63 credit (10, 11, 12)

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection, and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

Action Project: Senior Citizen's Dinner, Creating a meal for your family, trying a new recipe at home and other teacher-approved projects of your choice.

FCS210 INTERIOR DESIGN AND MANAGEMENT - 1 semester - .63 credit (10, 11, 12)

In this course, students will examine design principles used in residential interiors and exteriors. Evaluation of fabrics and finishes for design, appearance, construction and performance. Select furnishing based on space, principles of design to accommodate traffic flow, activity, and existing architectural factors. Additional topics will include the selection and organization of furnishings, floors, and wall coverings in living spaces, kitchens, and baths.

Action Projects: redecorating your room, improving the school environment through design, sewing projects for the home and other teacher-approved projects of your choice.

FCS300 GLOBAL FOODS - 1 semester – .63 credit (11,12)

Prerequisite: **Principles of Foods**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market and apply advanced cooking techniques.

Action Projects: Create and prepare food of a specific culture, create a cookbook of global recipes, create costumes associated with cultural foods and/or other teacher-approved projects.

Family and Consumer Science Department

COURSE DESCRIPTION CATALOG 2026-2027

FCS310 HUMAN GROWTH AND DEVELOPMENT - 1 semester – .63 credits (10,11,12)

In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, family communication, family types, parenting styles and responsibilities, and cultural differences within a family unit and community.

Actions Projects: Create a family game, plan a family outing, and/or your choice of other teacher-approved projects of your choice.

FCS320 CHILD DEVELOPMENT – 1 semester – .63 credits (11,12)

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

Action Project: Halls of Holly, creating a lesson plan for preschoolers and/or any other teacher-approved project of your choice.

FCS325 LIFE SKILLS ASSISTANT – 1 semester – ¼ credit (12)

Prerequisite: *Principles of Nutrition and Wellness and permission of instructor*

The student is given the opportunity to gain more in-depth experience in food preparation and equipment use and care. Sound, responsible work habits are developed.

Mathematics Department

COURSE DESCRIPTION CATALOG 2026-2027

MTH101/102 ALGEBRA 1 – 2 semesters – 1 credit (9)

Prerequisite: Math 8

Algebra I incorporates relations and functions, open sentences in one variable, special products and factoring. Mathematical operations involving rational functions, systems of linear equations, powers and roots, and quadratic equations are included in this course. An emphasis is placed on problem-solving.

MTH201/202 GEOMETRY – 2 semesters – 1 credit (10)

Prerequisite: Algebra 1 or Algebra 1 Honors

Geometry is designed to develop students' understanding of geometric methods and the relationship between algebra and geometry through the use of precise language, logical thinking, and measurement of figures. Theory and application, informal and formal reasoning, symbolic and visual thinking, as well as coordinate and transformational methods are included in this course.

MTH211/212 GEOMETRY HONORS –2 semesters– 1 credit (9) - *GPA Weighted Course*

Prerequisite: Algebra 1 Honors or Algebra 1 teacher recommendation

Special equipment required: Graphing Calculator

Honors Geometry is designed to develop an understanding of geometric methods and the relationship between algebra and geometry through the use of precise language, logical thinking, and measurement of figures. Theory and application, informal and formal reasoning, symbolic and visual thinking, as well as coordinate and transformational methods are included in this course. An emphasis is placed on problem-solving and formal proof of writing. Algebra skills, including equation solving, factoring, writing ratios, solving proportions, working with radicals, and solving word problems are used in finding geometric measures. A variety of proof styles, direct and indirect, are used in proving theorems as well as other problems.

MTH301/302 ALGEBRA 2 – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: Geometry or Geometry Honors

Special Equipment: Scientific Calculator or Graphing Calculator

The second year of algebra is designed to review numbers and sets, relations and functions, open sentences in one variable, special products, and factoring. Math operations involving rational expressions, equations containing rational expression, systems of linear equations, powers and roots, logarithms, complex numbers, quadratic equations and inequalities and systems of equations containing quadratics are included in the course.

Mathematics Department

COURSE DESCRIPTION CATALOG 2026-2027

MTH311/312 ALGEBRA 2 HONORS– 2 semesters – 1 credit (10, 11)

Prerequisite: **Geometry Honors or Geometry teacher recommendation**

Special Equipment: **Graphing Calculator**

Algebra II with Elements of Trigonometry incorporates a review of numbers and sets, relations and functions, open sentences in one variable, special products, and factoring. Mathematical operations involving rational functions, systems of linear equations, powers and roots, logarithms, complex numbers, quadratic equations and inequalities, systems of equations containing quadratics, sequences, and binomial expansion are included in this course. In addition, the course focuses on trigonometric functions and their applications.

MTH331/322 QUANTITATIVE REASONING – 2 semesters – 1 credit (11,12)

Prerequisite: **Successful Completion of Algebra 1 AND Geometry**

In this course, students learn how to use mathematical tools to make decisions in real-world situations. The primary focus is on critical thinking and communication, along with the standards of mathematical practices

MTH341/342 DISCRETE MATH/COMPUTER SCIENCE – 2 semesters – 1 credit (11,12)

Prerequisite: **Successful Completion of Algebra 1 AND Geometry**

Discrete Math/Computer Science will explore a variety of discrete math topics through a mix of hands-on classroom activities, traditional mathematical and logical reasoning and interactive computer science activities designed for students with no prior coding experience. Topics include computational thinking, computer logic, game theory, counting/ combinatorics, probability, connectivity, iteration and recursion and cryptography. All topics emphasize logical reasoning, proof and communication with precise mathematical and computer science language.

MTH351/352 DATA SCIENCE FOUNDATIONS – 2 semesters – 1 credit (11,12)

Prerequisite: **Successful Completion of Algebra 1 AND Geometry**

Data Science Foundations teaches students to reason with and think critically about data in all forms. It is a blend of statistics and probability, computer science and quantitative reasoning, with the goal to discover hidden patterns from raw data. This course covers topics such as describing big data; usability and usefulness of data; structured vs. unstructured data; data extraction techniques; data storage; privacy issues; and data mining.

Mathematics Department

COURSE DESCRIPTION CATALOG 2026-2027

MTH421/422 PRE-CALCULUS – 2 semesters – 1 credit (11, 12)

Prerequisite: Algebra 2 Honors or Algebra 2

Special Equipment: Graphing Calculator

This course surveys many types of functions and mathematical structures needed for advanced study in calculus and beyond.

MTH431/432 AP CALCULUS AB – 2 semesters – 1 credit (11,12)

GPA Weighted Course

Prerequisite: Successful completion of Algebra 2 Honors and/or Pre Calculus

Special Equipment: Graphing Calculator

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course uses limits to develop many ideas such as continuity and differentiability. The derivative is used to find a) slope for tangent lines, b) velocity and acceleration based on the position function for an object, c) related rates with respect to time, and d) extrema for a curve. Integrals are used to find distances, areas, average values, and volumes of solids. BC topics include further methods for finding integral values, analyzing an infinite power series, evaluating parametric and polar integrals, and finding Euler's Method approximations. All topics required for the advanced placement calculus test are included.

MTH 441/442 AP STATISTICS – 2 semesters – 1 credit (11, 12)

GPA Weighted Course

Prerequisite: Any 300 level Math Course

Special equipment: **Graphing Calculator**

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course focuses on using data to describe a random variable and then using hypothesis testing to decide if the data is significantly different from what is expected. Concepts from descriptive statistics include methods of gathering data, variation, standard deviation, outliers, and kurtosis. Concepts from inferential statistics include Z values, t values, Type I and Type II errors, Chi-square values, correlation coefficient and the line of best fit. All topics on the AP test will be covered.

Mathematics Department

COURSE DESCRIPTION CATALOG 2026-2027

MTH451/452 AP CALCULUS BC – 2 semesters – 1 credit (11,12) GPA Weighted Course

Prerequisite: Successful completion of AP Calculus AB

Special Equipment: **Graphing Calculator**

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course is focused on advanced integral techniques, infinite series, vectors, and derivatives for polar and parametric equations. Towards the end of the course, functions and vectors in three dimensions are explored.

RES331/332 - AP RESEARCH - 2 Semesters - 1 credit GPA Weighted Course

Prerequisite: AP SEMINAR - ENG231/232

Students enrolled in this course will be required to take the Advanced Placement exam in May.

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense (College Board, 2020).

Music Department

COURSE DESCRIPTION CATALOG 2026-2027

All courses in the Music Department meet the Fine Arts Graduation Requirement

Band MUS101/102 BAND 9 – 2 semesters – 1 credit (9)

Prerequisite: Previous Band experience or permission of director.

Membership in the band is determined by audition and the discretion of the band director. The emphasis is on strengthening the fundamentals of music performance, solo and ensemble contests, and concerts. Private lessons are strongly encouraged. Band is a full-year course. The 9th Grade Band combines with the Wind Ensemble, Symphonic Band, and Concert Bands during the fall of each school year to form the Riverside Regiment Marching Band.

MUS201/202 CONCERT BAND – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: Previous Band experience or permission of director.

Membership in Concert Band is determined by audition and the discretion of the band director. The emphasis is on strengthening the fundamentals of music performance through solo and ensemble contests, and through concerts. Private lessons are encouraged. The Concert Band combines with the Symphonic Band during the fall of each school year to form the *Riverside Regiment Marching Band*.

MUS301/302 SYMPHONIC BAND – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: Previous Band experience/permission of the director.

The advanced band of the high school, membership is determined by audition and the discretion of the band director. Emphasis is placed on music literature suitable to such a group. Performances include concerts, assemblies, solo, ensemble, and large ensemble contests and county festivals. Private lessons are encouraged. Students have the opportunity to direct the band and be leaders in their sections. The Symphonic Band combines with the 9th Grade Band and Concert Band during the fall of each school year to form the *Riverside Regiment Marching Band*.

MUS401/402 WIND ENSEMBLE – 2 semesters – 1 credit (10,11, 12)

Prerequisite: By audition only. Previous Band experience or permission of the director.

The advanced band of the high school, membership is determined by audition, practicing habits and the discretion of the band director. Emphasis is placed on advanced music literature suitable to such a group. Performances include concerts, assemblies, solos, ensembles, and large ensemble performances, and county festivals. Private lessons are encouraged. Band is a full-year course. The Wind Ensemble combines with the Symphonic Band, Concert Band, and 9th Grade Band during the fall of each school year to form the *Riverside Regiment Marching Band*.

Music Department

COURSE DESCRIPTION CATALOG 2026-2027

Choir

MUS121/122 9th Baritone Choir – 2 semesters – 1 credit (9)

Prerequisite: Director Approval, Baritone, and Bass voices only

The course is open to any ninth-grader. Two evening concerts are performed each year. The emphasis is on studying the fundamentals of music and singing through the performance of a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes. Students will also study the basics of piano and ukulele. These skills will support their vocal training and will help them learn to accompany themselves while singing.

MUS131/132 9th Treble Choir – 2 semesters – 1 credit (9)

Prerequisite: Director Approval, Treble voices only

The course is open to any ninth-grader. Two evening concerts are performed each year. The emphasis is on studying the fundamentals of music and singing through the performance of a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes. Students will also study the basics of piano and ukulele. These skills will support their vocal training and will help them learn to accompany themselves while singing.

MUS211/212 ADVANCED HIGH SCHOOL CHOIR CHOIR –2 semesters – 1 credit (10,11,12)

Prerequisite: Director Approval

The course is open to any tenth, eleventh, or twelfth-grade student with previous choir experience or permission of the director. At least three evening concerts are performed each year, including a festival with other choirs from the area. The emphasis is on reaching an advanced level of proficiency in the fundamentals of music, including reading music. Through this process, the students will perform a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes. Students may also study the basics of piano and ukulele. These skills will support their vocal training and will help them learn to accompany themselves while singing.

MUS241/242 RIVERSIDE REVUE – 2 semesters – 1 credit (10, 11, 12)

Prerequisite: By audition only

This is a chamber ensemble of 12 to 24 students. At least three evening concerts are performed each year, including a festival with other choirs from the area. The emphasis is on reaching an advanced level of proficiency in the fundamentals of music. Through this process, students will perform a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes.

Music Department

COURSE DESCRIPTION CATALOG 2026-2027

General Music

MUS110 MUSIC APPRECIATION – 1 semester – ½ credit (9,10, 11, 12)

This course is designed to develop an awareness of the elements and styles of music. It will involve hearing music from the Renaissance, Baroque, Classical, Romantic and Modern eras through instrumentation and vocal compositions. Also included is a segment of jazz and electronic music.

MUS130 POP CULTURE MUSIC - 1 quarter - 1/4 credit - (9,10,11,12)

The course must be taken along with **ART130 - POP CULTURE ART**

This is a collaborative class between the Music and Art Department in which students will explore the Pop Art Movement beginning in the late 1950's and its effects on our culture as well as its influence on Modern and Contemporary Art. For the Pop Art portion, students will explore American Popular Music through its history and development. Current events and issues of the time will be explored, as well as pop culture trends. In addition, students will create various projects and presentations throughout the class as well as keep a listening journal of various music. Good attendance is imperative for this class, for all work is completed in class, and class notes are required to complete all assignments.

MUS150 PIANO CLASS- 1 semester - ½ credit - (9,10,11,12)

Prerequisite: No previous piano experience or ability to read music is required. This class may be taken more than once.

In this class students will gain experience playing piano and keyboard. Students will focus on developing skills that will allow them to play music that they want to play. "The Modern Band Method - Keyboard - Book 1" & "Adult Piano Adventures - Book 1" will be used as a starting point. The first book focuses on playing chords and melodies right away before needing to know how to read music. Students will also engage in creative activities including improvisation and melody writing. This class is designed to be student centered and focused on growth. Beginning piano players as well as those with experience are welcome. Activities will be tailored to each student's abilities and interests.

MUS160 SONGWRITING & MUSIC PRODUCTION - 1 semester - ½ credit (9,10,11,12)

Prerequisite: No previous songwriting experience is required. This class may be taken more than once.

In this class students will experience various techniques and approaches to songwriting and music production. Included with the class is a subscription to and an introduction to the Digital Audio Workstation, SOUNDTRAP. This project based class will engage students in lyric analysis and lyric writing. Students will explore various popular song forms to inform their own songwriting. This is an interactive class where students will share their projects and provide feedback to their classmates. This class is designed to be student centered and focused on growth. Beginning songwriters as well as those with lots of experience are welcome. Activities will be tailored to each student's abilities and interests.

Music Department

COURSE DESCRIPTION CATALOG 2026-2027

MUS180 VOICE CLASS - 1 semester - ½ credit - (9,10,11,12)

Prerequisite: No previous singing experience or ability to read music is required. This class may be taken more than once.

In this class, students will engage in daily group voice lessons as well as frequent individualized instruction. Students will sing individually for the teacher and for the class. The primary goal of the class is for each student to establish a healthy vocal technique for singing that is applicable to many different singing styles. With the teacher, the students will select music that they want to study. Students will develop a daily warmup and practice plan focused on their goals. Students will also work on an instrument of their choice (piano, ukulele or guitar). Basic skills on one of these instruments will help them to accompany themselves as they sing. This class is designed to be student centered and focused on growth. Both beginning singers and those with experience are welcome. Activities will be tailored to each student's abilities and interests.

Science Department

COURSE DESCRIPTION CATALOG 2026-2027

**Elective credit only - Course does not count toward science graduation requirement

SCI101/102 PHYSICAL SCIENCE – 2 semesters – 1 credit (9) A multi-faceted course spanning all areas of science including chemistry, biology, plate-tectonics, astronomy and other aspects of physical science. Emphasis is on laboratory safety, observing, measuring, modeling and advanced problem-solving. The relationships among science, technology, and society are integral to lab, discussion and project work.

SCI111/112 PHYSICAL SCIENCE HONORS – 2 semesters – 1 credit (9)

GPA-Weighted Course

Prerequisite: Science 8 Honors (8 Grade) or recommendation of Science 8 teacher

A rigorous multi-faceted course spanning all areas of physical science, including chemistry, plate tectonics, astronomy, and other aspects of physical science. Emphasis is on increased rigor in the area of science, including laboratory safety, observing, measuring, modeling, and advanced problem-solving. Both critical thinking skills and advanced study skills are fostered. Students should be prepared for rigorous daily reading and written assignments. The relationships among science, technology, and society are integral to lab, discussion, and project work.

SCI120 AIR AND SPACE** - 1 Semester – 1/2 credit (9, 10, 11, 12) Air and Space is an elective college prep course designed to introduce students to the study of Astronomy. Students will learn about the amazing vast universe. Students will journey from the Earth outward to the solar system, looking at each planet, the sun, and the stars. This course incorporates a study of past and present missions, making comparisons of past theories and new discoveries. Continuing outward, students will learn about the Milky Way and other galaxies beyond. Discovery learning, independent research, inquiry and a variety of instructional strategies will be used to ensure an enjoyable, vigorous, and well-rounded learning experience.

SCI130 ZOOLOGY** - 1 Semester – 1/2 credit (9, 10, 11, 12) Zoology is a course surveying the nine major phyla of the Kingdom Animalia, dealing with the study of animal life. Major topics include animal anatomy, interrelationships, physiology, genetics, distributions, and habitats. This scientific course is designed to teach students the basic principles of the diversity of life through the application of identification, classification, and laboratory investigation. Dissections are required and are a major component of the course.

Science Department

COURSE DESCRIPTION CATALOG 2026-2027

SCI201/202 BIOLOGY 1 – 2 semesters – 1 credit (10)

This class will blend the college board PreAP Biology curriculum with our local curriculum and standards. The following areas will be covered during the year: fundamental principles in ecological studies with special emphasis on aquatic environments, terrestrial environments, population dynamics, and mans interrelationship with his environment; comparative structure and function of the lower animals (invertebrates and vertebrates) with that of man emphasizing unity and diversity of all living things; and the concepts of genetics and evolution to explain unity and diversity. Laboratory investigations are provided overall in the above areas for in-depth analysis and interpretation of data.

SCI211/212 BIOLOGY 1 HONORS – 2 semesters – 1 credit (9, 10)

GPA Weighted Course

*Prerequisite: **Honors Science and teacher recommendation or special permission***

An intense rigorous laboratory-based study of biological fundamentals including: biochemistry, comparative structure, and function of lower animals, emphasizing unity and diversity of all living organisms, and the concepts of genetics and evolution to explain the unity and diversity. Laboratory investigations are provided overall in the above areas for in-depth analysis and interpretations. Field studies augment the learning process. Both critical thinking skills and advanced study skills are fostered. Students should be prepared for rigorous daily reading and written assignments. This is a course for students intending to pursue four years of science in high school. This is a course meant to be taken by students in preparation for Advanced Placement Biology (college level).

SCI301/302 THE PHYSICAL UNIVERSE – 2 semesters – 1 credit (11, 12) This course is an in-depth interdisciplinary study of the earth, energy, weather, and space with an emphasis on practical applications of everyday, real-life examples to explain and define our universe. The study may include, but not be limited to geologic forces, resources and energy, the earth in space, our atmosphere, and the solar system.

SCI311/312 CHEMISTRY FUNDAMENTALS – 2 semesters – 1 credit (11, 12)

The course teaches the relationship between society and energy, and the role of chemistry in the environment. It is primarily designed for the college-bound student who does not intend to pursue a career in science. Fundamental work in mathematics is required; as is learning through laboratory activities. Students should be prepared to spend time outside of the classroom reviewing, reading assignments and completing written work.

Science Department

COURSE DESCRIPTION CATALOG 2026-2027

SCI321/322 CHEMISTRY 1 – 2 semesters – 1 credit (10, 11, 12)

Special Equipment: Calculator

The course is an introduction to the fundamentals of chemistry, such as atomic structure, bonding, chemical reactions and problem-solving and how they affect the world around us. The student should have good math skills and should be prepared to use them in classwork, homework and in doing lab reports. The student should be proficient at solving word problems using basic math skills. Homework will involve mathematical problems and brief explanations of basic terms and concepts. The student should be prepared to spend time outside of the classroom reviewing class notes, reading test assignments, and completing written assignments.

SCI331/332 CHEMISTRY 1 HONORS GPA Weighted Course –2 semesters–1credit (10,11,12)

Prerequisite: Pre AP Biology 1 Honors or Biology teacher recommendation

This course is an in-depth study of the fundamentals of chemistry, such as atomic structure, bonding, and chemical reactions. Problem-solving skills, mathematical and otherwise, are stressed, so the student should have strong math skills, and be comfortable working with word problems. Work outside of the classroom includes assigned homework and lab reports, but the course also requires the student to independently review class notes, read the text, and take initiative to ensure understanding of topics and theories. The course is intended as preparation for the Chemistry 2 AP course and therefore, will cover topics more advanced than Chemistry 1.

SCI401/402 PHYSICS – 2 semesters – 1 credit (11, 12)

Prerequisite: Chemistry, Algebra 2, Algebra 2 Honors or Pre-Calculus or concurrent enrollment in Pre-Calculus, or Calculus.

Special Equipment: Graphing Calculator (TI-83 or 84 preferred) or a Scientific calculator.

A laboratory/lecture approach is used to teach a theoretical and mathematical introduction to the physical laws and theories which attempt to explain natural physical phenomena. The student should have good math skills or be willing to work to develop them and should be prepared to use these skills in classwork, homework, and laboratory reports. The student should be proficient at solving word problems or be willing to work to become proficient at solving them by using algebraic formulas that will be derived from simple graphs developed from laboratory investigations. Homework involves mathematical problems, explanations of basic terms and concepts, and the analysis of data gathered in the lab. The student should be prepared weekly to spend as much time outside of class as in class on homework, readings, written assignments, note-taking, and material review.

Science Department

COURSE DESCRIPTION CATALOG 2026-2027

SCI410 FORENSICS – 1 Semester – ½ credit (11, 12)

*Prerequisite: **Biology and Chemistry***

This course is the study and use of basic scientific concepts related to solving crime. Through the study of forensic science techniques, students are given the opportunity to explore and further understand how basic scientific concepts apply specifically to this field of study. Discussion of realistic scenarios, laboratory experiments, internet research, and case studies are a large component of this course.

SCI415 ANATOMY and PHYSIOLOGY – 1 semester – ½ credit (11, 12)

*Prerequisite: **Biology and Chemistry***

Anatomy and physiology is the study of the structure and function of the human body. Students will explore the various organ systems of the human body through experimentation, including several dissections. Students will apply the principles learned in anatomy and physiology to human health and wellness. Students will be introduced to various career options through guest speakers and research. This course is designed for individuals considering a career in the medical profession, as well as for students with an interest in understanding how the human body works.

SCI421/422 BIOLOGY AP – 2 semesters – 1 credit (11, 12)

GPA Weighted Course

*Prerequisite: **Biology I Honors or Biology and Chemistry Honors or Chemistry teacher recommendation***

Students enrolled in this course will be required to take the Advanced Placement exam in May.

Students use a college textbook and articles from science magazines when appropriate in this course. Areas of concentration are biochemistry, DNA, genetics, physiology, and anatomy of animals and plants. Evaluation is based primarily on tests and daily recitation, reports, and projects. Upon completion of the course, students are encouraged to take the Advanced Placement Exam in Biology for which college credit may be earned.

Science Department

COURSE DESCRIPTION CATALOG 2026-2027

SCI431/432 CHEMISTRY AP – 2 semesters – 1 credit (11, 12)

GPA Weighted Course

Prerequisite: **Chemistry 1 Honors or and Chemistry teacher recommendation**

Special Equipment: **Calculator**

Students enrolled in this course will be required to take the Advanced Placement exam in May.

Many of the same topics are covered in this course as are covered in Chemistry 1 but in greater depth and at a more rapid pace. New topics are also covered. Homework consists of answering questions about basic terms and concepts and solving problems, with emphasis on problem-solving techniques. Lab work is quantitative in nature, emphasizing the concepts being studied. This course is designed to allow students to preempt their first course in college chemistry by preparing them to take the AP Exam and students are strongly encouraged to take this exam.

SCI441/442 PHYSICS AP – 2 semesters – 1 credit (11, 12)

GPA Weighted Course

Prerequisite: **Chemistry**

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

SCI451/452 ENVIRONMENTAL SCIENCE AP - 2 semesters - 1 credit (9, 10, 11, 12)

GPA Weighted Course

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This college-level course is for students interested in advanced science. Students will explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. Laboratory investigations and field work are embedded in the work of this course.

Social Studies Department

COURSE DESCRIPTION CATALOG 2026-2027

SOC101/102 WORLD HISTORY – 2 semesters – 1 credit (9)

This class will blend the curriculum with our local curriculum and standards. World History is the study of people's written record of what they have done on earth. Much emphasis is placed on the development of government in the Classical Period from absolutism to democracy. The government is then traced through the anarchy of the Feudal period, the absolutism of the age of Mighty Kings, and finally to the rebirth of democracy in the 17th century. Through the study of world history, humankind hopes to benefit from the experience of past civilizations.

SOC111/112 WORLD HISTORY HONORS – 2 semesters – 1 credit (9)

GPA Weighted Course

Prerequisite: Teacher/counselor recommendation

This course is designed for the advanced college-bound Social Studies student. The course deals mainly with the history of the western world from the origin of man to the last decades of the 20th century. The rise and development of social, economic and political systems will be traced from the ancient world to the Medieval times, ending in the modern world.

SOC201/202 UNITED STATES HISTORY – 2 semesters – 1 credit (10) *U.S. Studies from 1877*

To Present Times: This course examines the history of the United States of America from 1877 to the present. The United States has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course.

SOC211/212 UNITED STATES HISTORY AP - 2 semesters – 1 credit (10)

GPA Weighted Course

Prerequisite: World History Honors or World History CP teacher recommendation

Students enrolled in this course will be required to take the Advanced Placement exam in May. This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. AP U.S. History will thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students are strongly encouraged to take the Advanced Placement exam in Psychology for which they may receive college credit. Students enrolled in this course will be required to take the Advanced Placement exam in May.

Social Studies Department

COURSE DESCRIPTION CATALOG 2026-2027

SOC300 AMERICAN GOVERNMENT– 1 semester – ½ credit (11) This course is a survey of the structure and organization of the American national government. The course traces the colonial background and constitutional basis of executive, legislative, and judicial functions; interstate relations, elections, and civil rights.

SOC311/312 AMERICAN GOVERNMENT and POLITICS AP – 2 semesters – 1 credit (11)
GPA Weighted Course

Prerequisite: **US History AP or US History teacher recommendation**

This course is an in-depth study of the American National government. Special attention is paid to the legal framework in American and federal court decisions. Students are required to write legal briefs and to read major newspapers and periodicals for class discussions. Students taking the course are strongly encouraged to take the Advanced Placement exam in American Government for which they may receive college credit. Students enrolled in this course will be required to take the Advanced Placement exam in May.

SOC320 PSYCHOLOGY – 1 semester – ½ credit (11, 12)

Introduction to Psychology is a social studies elective that is designed to expose students to the basic theories behind human behavior. The course covers topics pertaining to origins of psychology, psychological research, biological bases of human behavior, and states of consciousness. The course focuses on introducing students to the type of work psychologists engage in and the various career opportunities that are available with a psychology background. The class expectations focus on reading relevant case studies, research in the field and generating hypotheses regarding human behavior.

SOC330 PSYCHOLOGY 2 – 1 semester – ½ credit – (11, 12)

Prerequisite: **Psychology**

Psychology 2 is a social studies elective that is the extension of the Introduction to Psychology Course. It will expand on the knowledge learned in the introductory course and focus on several new units of psychological exploration. The course will cover topics related to motivation, emotion, memory, social psychology, abnormal psychology, and treatments. These new units of study build on the foundations of psychology presented in the introductory course. The expectations for the course include reading case studies, research developed in the field of psychology, and collaborating with students on projects.

Social Studies Department

COURSE DESCRIPTION CATALOG 2026-2027

SOC340 CURRENT ISSUES – 1 semester – ½ credit (11, 12) The course emphasizes the historical causes of current world and domestic problems. Topics include social, political, economic, racial, and ecological disputes. Newspapers and periodicals make up the required reading. Subscriptions are purchased at student expense.

SOC350 WORLD GEOGRAPHY - 1 semester - ½ credit (11, 12) Students use knowledge of geographic locations, patterns and processes to show the interrelationship between the physical environment and human activity and to explain the interactions that occur in an increasingly interdependent world. Students use knowledge of perspectives, practices and products of cultural, ethnic and social groups to analyze the impact of their commonality and diversity within local, national, regional and global settings.

SOC400 FINANCIAL LITERACY/ECONOMICS – 1 semester – ½ credit (11) This course is designed to deal with real-life economic issues in the classroom. Various issues taught and discussed include choosing a career, resume and cover letter writing skills, professional interview skills, paychecks and taxes, savings and investing and credit. This course consists of hands-on activities to introduce concepts of consumer economics.

SOC411/412 AP PSYCHOLOGY –2 semesters– 1 credit(12)

GPA Weighted Course

Prerequisite: **AMERICAN GOVERNMENT and POLITICS AP or teacher recommendation**

Students enrolled in this course will be required to take the Advanced Placement exam in May.

This course has nine units of study that range from Methodology to Clinical Psychology. Students are introduced to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. The course emphasizes the use of case studies as well follows the CollegeBoard content standards and utilizes their resources in the creation of assessments. Students are strongly encouraged to take the Advanced Placement exam in Psychology for which they may receive college credit. Class expectations are required reading of online textbook with accompanying reading quizzes, collaborative work with peers, and CollegeBoard generated assessments.

Career Electives

COURSE DESCRIPTION CATALOG 2026-2027

BUS241/242 PRINCIPLES OF BUSINESS/SCHOOL STORE - 2 Semesters - 1 Credit (11, 12)

In this engaging, hands-on course, students will learn about the key principles of business and put those skills into real-world practice by managing and operating an active school storefront. The key principles covered in this course will include: production, management, operations, accounting, and marketing. Students will showcase the business skills they've learned by working in the school store during class time and outside of regular school hours.

BUS421/422 CYBERSECURITY - 2 Semesters - 1 credit (11,12)

Welcome to the Informational Technology course, where students will embark on a comprehensive journey through the dynamic and ever-evolving world of IT. This course is designed to equip high school students with a solid foundation in IT concepts, terminology, infrastructure applications, software development, database fundamentals, and security.

ENG461/462 PUBLIC SERVICE - 2 semesters - 1 credit - (11,12)

Public Service introduces students to careers dedicated to serving others within the social services, public safety, and nonprofit pathways. Students will be involved in an in-depth study of the communication and workforce skills needed by previewing our own Lake County services. Required hands-on experience will provide students with resume building activities including running a fundraising campaign and volunteering for local services. Besides having a chance to evaluate the professions as potential future careers, students will gain an understanding of how our county supports its residents. Students who take this class will earn ONE 12 point industry recognized credential by completing their Green Belt for Lean Six Sigma.

ENG451/452 ARTS, COMMUNICATION AND THEATER FOR THE NEXT ACT (ACT 2)

2 semesters - 1 credit - (11,12)

Prerequisite: Intro to Theater or TWO years of art, band, or choir

This course will take a deeper look at careers in performing arts, communication, and theatre (technical and performance). Students will look at all the available careers in these disciplines. Students will study, interview, and meet a variety of professionals in these three disciplines including business executives, graphic designers, technical designers, musicians, performers, artists and technicians. Students will then have the opportunity to go deeper in their study to prepare for study or career in these areas. They will have an individual learning plan which will include tasks that focus on the discipline in which they are most interested. These experiences will allow students to look at different college and career opportunities available to them, as well as prepare them for interviews and auditions for entrance to a variety of programs.

Career Electives

COURSE DESCRIPTION CATALOG 2026-2027

FGN421/421 - EDUCATION AND TRAINING - 2 Semesters - 1 credit (11, 12) In this course, students will learn the key principles of becoming a teacher. This will include the writing of lesson plans, creating assessments, and understanding grading procedures. The students will have the opportunity to teach mini-lessons and receive valuable feedback.

IND401/402 ADVANCED MANUFACTURING - 2 Semesters - 1 credit - (11,12)

In this course, students will learn about the key principles of manufacturing through various hands-on activities and self-guided lessons. Students will earn multiple certifications that can be used throughout the manufacturing field, including a Certified Manufacturing Associate certificate. The key principles covered in this course will include: history, safety, production, design, and operations.

MTH461/462 PRINCIPLES OF CONSTRUCTION - 2 Semesters - 1 credit - (11,12)

Principles of Construction is a course designed to allow students to gain an understanding of construction as a career pathway, as well as an introduction to the skills necessary to be successful in the trades. The class includes textbook study, hands-on projects, speakers, and field trips to help facilitate learning. This course is a Pre-Apprenticeship course and is aligned with the Apprenticeship Program at Cleveland Construction. In addition to elective credit, students will also earn a math credit when taking this course.

PE0401/402 SPORTS INDUSTRY - 2 Semesters - 1 credit - (11,12)

This course offers students the opportunity to take their passion for sports off of the field and into the classroom. In this course, students will explore how to turn their passion for sport into successful careers. Blue chip athletes typically do not become famous by accident. Additionally, major sporting events do not just magically happen. Students will be introduced to basic trends and principles in sports management. Students will explore sports management in the context of high school, collegiate and professional athletics. Subject matter studies include management principles, athletic governance, sports marketing, facilities planning, accounting and finance in sports, sports law, athletes as role models and ethical issues in sports.

Career Electives

COURSE DESCRIPTION CATALOG 2026-2027

SCI461/462 INTRODUCTION TO HEALTHCARE CAREERS - 2 semesters - 1 credit - (11,12)

This course will examine the role of structure and function of the human body through the study of anatomy and physiology. Students will study anatomy and physiology over the course of the year, while incorporating job shadowing experiences at a hospital or nursing home to introduce students to different career paths in health care. Career shadowing experiences will include administrative, patient care, and lab technician paths.

SC471/472 TRANSPORTATION - 2 semesters - 1 credit - (11,12)

Planes, trains, and automobiles, oh my! Learn about an array of opportunities in the field of transportation. Gain an understanding of the critical role all types of transportation play in our economy, history, and lives. Hands-on opportunities include flying drones and working with small engines.

SOC421/422 HISTORY AND GEOGRAPHY OF OHIO - 2 semesters - 1 credit - (11,12)

Lake County is a great place to live, work, and play! Study the history and geography of Lake County as it relates to the fields of agriculture and environmental systems, as well as the tourism aspect of the area. Field trips, business partnerships, and in-depth analysis of the area provide hands-on experiences in this course.

WLD401/402 WELDING- full year - 3 credits - (11,12)

This course meets for **two blocks, every day**. The morning session meets 1st and 2nd block and the afternoon session meets 3rd and 4th block. Students will have the opportunity to gain AWS Welding Procedure Certification in several welding processes. Students will be expected to take an online safety course. Students will be required to purchase welding safety equipment and dress for an industrial setting in the lab daily.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

Most academic credits earned in 8th grade, will not be counted toward meeting the graduation requirements for Riverside High School. Credits for high school graduation are generally earned, beginning with the 9th-grade year. All credit amounts listed next to the following 8th grade courses descriptions are used for grade point average calculation only.

The following courses can be taken in 8th Grade and students will earn high school credit.

Algebra I Honors

Riverside Ready

Python Programming - will meet the RHS Technology requirement for graduation

Exploring Technology 8 - will meet the RHS Technology requirement for graduation

French 1

Spanish 1

ART800 - ART 8 – 1 semester – 1/2 credit (8) Art 8 is the introductory semester studio art class. This course is designed to expose eighth graders to the variety of media they will experience in Art 1 and the design process which includes brainstorming, researching, creating, and discussion of work. Artwork is done on a project basis with additional reflection of personal work through a portfolio of work. Projects are graded using rubrics that allow for individual success regardless of talent level. Students are exposed to vocabulary, art concepts, materials and techniques through hands-on use that will make each student better equipped to have a foundation of knowledge about art, artmaking and art history.

CSC100 - Introduction to Python Programming - 1 semester - ½ Credit (8,9)

high school credit

*Satisfies graduation requirement for **Technology***

Welcome to the world of Python programming! In this course, you'll learn the basics of Python, a powerful and versatile programming language. Together, we'll explore key topics like creating and using functions, writing step-by-step solutions, and tackling challenges creatively. Projects are designed to help you practice and understand what you've learned, making coding both engaging and practical. By the end of this course, you'll have a fundamental foundation in Python programming that will prepare you for future computer science courses here at Riverside Campus. Get ready to code, create, and explore!

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

CAR100 - Riverside Ready - 1 semester - ½ credit high school credit

This course is designed to prepare 8th grade students for high school life. This mandatory elective course will blend career exploration and high school readiness skills to prepare students for the rigors of high school, as well as get them thinking about future plans after high school.

ENG801/802 – ENGLISH 8 – 2 semesters – 1 credit (8) This course contains activities for all component parts: composition, grammar, and literature. Students will study methods of sentence combining and will use these techniques in writing. Different pieces of writing, such as persuasive, narrative, expository, etc., will be completed based upon their literature readings. Students will read several novels over the course of the year, along with many short stories and plays. Long-ranged and research projects will complement their reading assignments. Students are expected to have mastered spelling, punctuation and sentence formation. Throughout the year, students are expected to use verbs and complex sentences in their writing. Students should read at or above grade level, demonstrate self-motivation, work ethic, and have mature behavior and attitude. Summer reading will be required.

ENG811/812 – ENGLISH 8 HONORS – 2 semesters – 1 credit (8)

GPA Weighted Course

Prerequisite: **Honors Language Art 7 or Language Arts 7 teacher recommendation** This course contains enrichment activities for all component parts: composition, grammar, and literature. Students will study intricate methods of sentence combining and will use these techniques in writing. Different pieces of writing, such as persuasive, narrative, expository, etc., will be completed based upon their literature readings. Students will read several novels over the course of the year, along with many short stories and plays. Long-ranged projects will complement their reading assignments. Students are expected to have mastered spelling, punctuation and sentence formation. Throughout the year, students are expected to use verbs and complex sentences in their writing. Students should read well above grade level, demonstrate an excellent self-motivation work ethic, and have mature behavior and attitude. Summer reading will be required.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

ENG830 SPEECH AND COMMUNICATION - 1 semester - ½ credit (8) In this course, students will work to improve written and oral communication skills through various 21st Century formats. This class will introduce and reinforce public speaking skills through presentations of various lengths. Emphasis is on communication including the purpose of speech and methods of public speaking. Students will gain experience preparing and/or delivering memorized, manuscript, impromptu, and extemporaneous speeches. Using these delivery styles, they will practice with introductory, thankful, demonstration, informative, entertaining, convincing, and sales pitch speeches. Topics include speech preparation, formulas for organizing a speech, the importance of outlining, strategies for building strong introductions, and the creation of effective conclusions. Other topics include listening and learning from one another, platform appearance and behavior, and overcoming stage fright. Students can expect to express personal likes, preferences, and basic personal information with the ultimate goal of finding one's voice, gaining confidence when speaking in public, and pursuing/exploring one's interests and passions. Students will also learn to collaborate with peers on creating written communications via social media, blogging, and podcasts. The overarching goal of this course is to explore different fields of communication while solidifying soft communication skills that will transfer into the workforce in the future.

FGN101/102 FRENCH 1 – 2 semesters – 1 credit (8, 9, 10, 11, 12) high school credit
Emphasis is on developing comprehension of spoken French and a basic understanding of high-frequency vocabulary, phrases, and structures through listening, reading, writing, and speaking. Topics include greetings, introductions, alphabet, accent marks, numbers, commands, classroom objects, self, family, physical and personality descriptions, school subjects, school activities, calendar, time, and date. Students can expect to express personal likes, dislikes, preferences, and basic personal information, including how often they do activities. They will be able to ask about and identify individuals and tell what they need. People, cultures, and countries of the Francophone world are introduced.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

FGN111/112 SPANISH 1 – 2 semesters – 1 credit - (8, 9, 10, 11, 12) high school credit

Emphasis is on developing comprehension of spoken Spanish and a basic understanding of high-frequency vocabulary, phrases, and structures through listening, reading, writing, and speaking. Topics include family, school, food, restaurants, clothing, health and the body, weather, time and date. Students can expect to express personal preferences and basic personal information. People, cultures and countries of the Hispanic world are introduced.

IND800 – EXPLORING TECHNOLOGY 8 – 1 semester – ½ credit (8) - high school credit

In this course, students will gain a working knowledge of various Google Applications including Google Classroom, Docs, Slides, Drawings, Forms, etc... and how to integrate them into everyday life. Students will also become proficient in using their Chromebooks to complete tasks. The course will provide a beginning experience of STEM fields, with a focus on technology and beginner-level engineering with the integration of Science and Mathematics. This project-based course will help students make connections to real-life applications and provide students opportunities to work collaboratively.

MT801//802 – MATH 8 – 2 semesters – 1 credit (8) This course develops the student's Number Sense by mastering all of the subsets of the Real Number System. Square Roots, Cube Roots, Scientific Notation, Exponents(positive and negative), and solving equations and real-world problems are incorporated in Number Sense. From here, students will master their skill in solving equations. Starting with basic one-step equations to multiple-step (including distributive property and collecting like terms) will also be mastered. Linear Algebra will then be introduced and mastered. Students will learn to graph equations, write equations, represent slope (various ways) and solve systems of equations (graphically and algebraically). Functions will then be studied. Students will need to show their mastery of linear and non-linear functions. Also, the ability to identify if a graph, table, or points are functions will be mastered. Geometry will be studied. Students will master skills of angle pairs and Pythagorean theorems. The volume of spheres, cylinders, and cones are included along with transformations (translations, reflections, rotations, and dilations) will finish Geometry. Statistics will be introduced. Students will learn about measures of central tendency, standard deviation, box plots, line plots, and many other displays of data. All of this material will be tested on the 8th-grade state end-of-course exam taken at the end of the year.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

MTH111/112 ALGEBRA 1 HONORS – 2 semesters – 1 credit (8)

High School Credit - Weighted GPA Course

Prerequisite: This course is for those students who have successfully completed the Seventh Grade Honors Pre-Algebra class and have met the criteria for placement.

Algebra 1 Honors incorporates explaining the process of solving equations and inequalities, and using them to solve problems. Apply solving techniques and the law of exponents to the creation and solution of simple exponential equations. Use function notation, develop the concepts of domain and range, explore many examples of functions (including sequences) and interpreting functions graphically, numerically, symbolically, and verbally, and comparing and contrasting between functions. Use regression techniques to describe approximately linear relationships between quantities as well as using graphical representation and knowledge of the context to make judgments about the appropriateness of linear models. Extend the laws of exponents to rational exponents and create quadratic and exponential expressions. Create and solve equations, inequalities, and systems of equations involving quadratic expressions. Compare key characteristics of quadratic functions to those of linear and exponential. Identify real solutions of a quadratic equation as the zeros of the related quadratic function.

MUS801/802 BAND 8 – 2 semesters – 1 credit (8)

Prerequisite: Previous Band experience or permission of director.

Membership in the band is determined by audition and the discretion of the band director. The emphasis is on strengthening the fundamentals of music performance, solo and ensemble contests, and concerts. Private lessons are strongly encouraged. Band is a Full Year Course

MUS821/822 8th Baritone Choir – 2 semesters – 1 credit (8)

Prerequisite: Director Approval, Baritone, and Bass voices only

The course is open to any eighth-grader. Two evening concerts are performed each year. The emphasis is on studying the fundamentals of music and singing through the performance of a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes. Students will also study the basics of piano and ukulele. These skills will support their vocal training and will help them learn to accompany themselves while singing.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

MUS831/832 8th Treble Choir – 2 semesters – 1 credit (8)

Prerequisite: **Director Approval, Treble voices only**

The course is open to any eighth-grader. Two evening concerts are performed each year. The emphasis is on studying the fundamentals of music and singing through the performance of a variety of music, including pop, classical, jazz, folk, world music, and Broadway show tunes. Students will also study the basics of piano and ukulele. These skills will support their vocal training and will help them learn to accompany themselves while singing.

PEHLT8 PHYSICAL HEALTH AND WELLNESS – 1semester– $\frac{1}{2}$ credit (8)

This course is designed to combine the content areas of both Health and Physical Education. The focus of this course will be on a fitness and health-based curriculum that presents concepts through physical activity-based lessons, projects, and use of community resources; speakers to supplement health-related topics. A top priority will be promoting the importance of fitness and nutrition as it is related to personal health.

Physical Health and Wellness prepares students for a healthy lifestyle by giving them a solid foundation of how to maintain and/or improve their fitness levels. Students will develop fitness and nutrition goals, complete an exercise log, a food intake log, and create a personal work out and nutrition plan.

Additional topics such as body systems, mental health, relationships, alcohol, drug, tobacco awareness, communicable and non-communicable diseases, and other current health issues will be discussed. Students will also participate in a variety of indoor and outdoor activities promoting physical fitness. Students will participate in individual group games/sports such as soccer, volleyball, football, handball, basketball, floor hockey, and softball.

SCI801/802 SCIENCE 8 – 2 semesters – 1 credit(8)

Students in this course will use scientific inquiry to discover patterns, trends, structures and relationships that may be described by simple principles. These principles are related to the properties or interactions within and between systems. In addition, students will study the physical features of Earth and how they formed. This includes the interior of Earth, the rock record, plate tectonics and landforms. Students will also study forces and motion within, on and around the Earth and within the universe. Finally, students will study the continuation of the species.

8th Grade Courses

COURSE DESCRIPTION CATALOG 2026-2027

SCI811/812 SCIENCE 8 HONORS – 2 semesters – 1 credit (8)

GPA Weighted Course

This course will allow students to achieve a deeper understanding of the science content. Honors students will be expected to read and comprehend concepts discussed in scientific articles, apply a variety of mathematical skills to solve scientific problems, write detailed explanations of natural phenomena, evaluate and synthesize scientific rationales, and work collaboratively with peers as productive members of a local scientific community.

SCI820 – STEM INQUIRY – 1 Semester – ½ credit (8)

This semester-long course introduces students to STEM (Science, Technology, Engineering, and Mathematics) through an interdisciplinary approach that will increase awareness, build knowledge and develop problem solving skills. Some of the lessons will be hands-on individual/group work guided by the engineering design process. Other lessons will involve learning basic science principles that pair with the STEM Topics. Several STEM Careers will also be examined throughout the semester. By the end of the course, students may discover that a career in STEM may be the right fit for them.

SOC801/802 – U.S. HISTORY 8 – 2 semesters – 1 credit (8)

This course will take students from the early beginnings of our great country through the Civil War and Reconstruction. We will begin the year with Exploration and the first permanent English settlements of Jamestown and Plymouth. Next, we will analyze the colonies' similarities and differences in relation to religion, economics, politics, and geography. From there we will encounter the events that led to the signing of the Declaration of Independence and The Revolutionary War. We will cover the Revolutionary War itself and then delve into the Constitution as the framework of our government as well as The Bill of Rights. Lewis and Clark will help us explore new territory and gold will take us all the way out to California. Lastly, our class will engage in and study the events and concepts that led to the Civil War, the War itself, and the country's Reconstruction after the Civil War.

SOC811/812 – U.S. HISTORY 8 HONORS– 2 Semesters – 1 credit (8)

GPA Weighted Course

This course is intended for the advanced college-bound student and will cover the same material as traditional U.S. History, from Colonization through Reconstruction. During the course, students will examine extra independent readings, primary sources, conduct research and create written analysis and evaluation of such research and from class activities. This course will emphasize the social, political, and economic aspects of the time periods covered and develop critical thinking and analytical skills. Students will be expected to create a project at the end of unit assessments. Students should be able to work effectively both independently and in small groups and have strong reading, writing and comprehension skills.

Special Recommendation Courses

COURSE DESCRIPTION CATALOG 2026-2027

The courses are designed for students who have an Individual Education Plan (IEP). Based on a student's IEP Evaluation, a student could be placed in these courses.

SEN101/102, WEN1234/A/1234/B ENGLISH 1 – 2 semesters – 1 credit (9)
SEN201/202, WEN1234/A/1234/B ENGLISH 2 – 2 semesters – 1 credit (10)
SEN301/302, WEN1234/A/1234/B ENGLISH 3 – 2 semesters – 1 credit (11)
SEN401/402, WEN1234/A/1234/B ENGLISH 4 – 2 semesters – 1 credit (12)

SRD101/102 SUPPLEMENTAL READING 1 - 2 Semesters - 1 credit (9) **SRD201/202, SUPPLEMENTAL READING 2 – 2 semesters – 1 credit (10, 11)** Basic skills in reading are taught to improve reading comprehension and vocabulary skills through individualized instruction.

SSP101/102 SUPPLEMENTAL 9 — 1/4 credit (pass,fail) per semester (9)
SSP201/202 SUPPLEMENTAL 10 — 1/4 credit (pass,fail) per semester (10)
SSP301/302 SUPPLEMENTAL 11 — 1/4 credit (pass,fail) per semester (11)
SSP401/402 SUPPLEMENTAL 12 — 1/4 credit (pass,fail) per semester (12)

This course is designed to provide specialized instruction in individual areas of need as identified in a student's Individual Educational Plan (IEP). Students may also receive support in core curricular areas and direct instruction in specific learning strategies, study skills, time management, and organization. While students may receive assistance on core curricular assignments, the course is not designed to serve as a study hall. Students enrolled in the course receive the equivalent of one period of instruction each day and earn an elective credit (in grades 9-12). Students will also cover transitional material. The topics covered would include: college/career exploration, resume/cover letter writing, financial literacy, self-advocacy, resources available. This course would provide them with options and help them explore their resources.

SSC101/102, WSC1234A/1234B SCIENCE 1 – 2 semesters – 1 credit (9)
SSC201/202, WSC1234A/1234B SCIENCE 2 – 2 semesters – 1 credit (10)
SSC301/302, WSC1234A/1234B SCIENCE 3 – 2 semesters – 1 credit (11)
SSC401/402, WSC1234A/1234B SCIENCE 4 – 2 semesters – 1 credit (12)

Basic concepts in Earth, Physical, Life, and Environmental science are taught through projects, videos, and practical experiments. The goal is to make students more aware of how and why things are and work around them and how they originated.

Special Recommendation Courses

COURSE DESCRIPTION CATALOG 2026-2027

SMA101/102, WMA1234A/1234B MATH 1 – 2 semesters – 1 credit (9)

SMA201/202, WMA1234A/1234B MATH 2 – 2 semesters – 1 credit (10)

SMA301/302, WMA1234A/1234B MATH 3 – 2 semesters – 1 credit (11)

SMA401/402, WMA1234A/1234B MATH 4 – 2 semesters – 1 credit (12)

Emphasis is on remediation of mathematical deficiencies and building upon mathematical strengths as determined through formal and informal assessments. Math operations are taught concurrently with everyday applications.

SSO101/102 World History – 2 semesters – 1 credit (9)

SSO201/202 US History – 2 semesters – 1 credit (10) The development of the United States is traced from pre-colonial days to the present. Emphasis is placed on the relationship of historical events to current government structure and practices. Basic map interpretation skills are covered. Classes are taught with the individual student's strengths and learning difficulties in mind.

SSO301/302 – Social Studies 3 – 2 semesters – 1 credit (11) Students will study the basic principles of the United States economic system and how it relates to them on a personal level. Principles of banking, the world of work, taxes, as well as other financial issues are emphasized.

SSO310 - American Government - 1 semester - ½ credit (11)

WHE100 HEALTH – 1 semester – ½ credit (10, 11)

Life-long health through an appreciation of exercise and knowledge of nutrition, cleanliness, disease, sex, and mental hygiene is the goal of this course. Students are assisted in developing leisure-time activities that can be enjoyed throughout their lives.

WPE100 – 1 semester – ¼ credit (9, 10, 11, 12) Meet individual physical and social needs according to goals on IEP

WLS1234A/1234B LIFE SKILLS - 2 semesters – 1 credit (9, 10, 11, 12) Address and encourage independent personal hygiene skills, health issues, cooking/kitchen skills, social skills, laundry skills, and safety.

WIL1234A/1234B INDEPENDENT LIVING - 2 semesters – 1 credit (9, 10, 11, 12) Skills of grocery shopping (finding products, nutritional values, best prices, etc.), all aspects of meal planning and personal finances/budgeting.

Special Recommendation Courses

COURSE DESCRIPTION CATALOG 2026-2027

WSO1234A/1234B SOCIAL STUDIES 1 – 2 semesters – 1 credit (9, 10)

WSO1234A/1234B SOCIAL STUDIES 2 – 2 semesters – 1 credit (10, 11)

WSO1234A/1234B SOCIAL STUDIES 3 – 2 semesters – 1 credit (11, 12)

WSO1234A/1234B SOCIAL STUDIES 4 – 2 semesters – 1 credit (12)

WEN001 MULTIPLE DISABILITIES LAB ASSISTANT– 1/4 credit per semester (10, 11, 12)

The lab assistant students will assist the instructor with tasks related to helping students with multiple disabilities in their everyday activities such as transport, life skills, vocational/recreational skills, community involvement and peer social skills intervention. The student assistant will develop a project with the student to increase their social awareness of students with disabilities and at the same time offer the student with multiple disabilities a meaningful educational experience.

SPECIAL RECOMMENDATION CAREER PROGRAMS

RAVE01 - RAVE - REACHING to ACHIEVE VOCATIONAL EXCELLENCE

Riverside's RAVE Job and Training Program offers a variety of vocational experiences for high school students. These vocational opportunities are designed to fit individual preferences, interests, needs, and strengths. Riverside is committed to providing age appropriate transition assessments (AATA), employability skills, training, interview preparation and resume portfolios, as well as assistance with transition to adult services. The RAVE Program is intended to serve those students who are enrolled and attend Riverside Local Schools and have an effective Individual Education Program(IEP).

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Auburn Career Center

Visit Auburn Career Center online at <http://www.auburncc.org>

Auburn Career Center (ACC) offers a variety of career/technical programs to students in the 10th, 11th, and 12th grades. Each program is two years in length. Therefore, students can attend ACC beginning in 10th grade or beginning in 11th grade. Transportation to and from ACC is provided by the Riverside Local Schools. Students spend ½ day at ACC in a hands-on and well-equipped lab. Students will attend The Riverside Campus to complete the academic courses needed for graduation. College credit may be earned in some ACC classes. Valuable certifications can be earned in all classes.

Students apply online through Auburn Career Center's website. To ensure acceptance in your first choice program, apply as early as possible. Course assignments are made on a first-come-first-serve basis.

Acceptance at ACC is based on:

- Student's interest area
- Credits and grades earned at Riverside High School
- Parent Approval
- Guidance Counselor Recommendation
- ACC approval

RHS students should have successfully completed the following courses by the end of their sophomore year:

- English 1/English 1 Honors **and** English 2/English 2 honors or AP seminar
- U.S. History and World History
- Algebra I & Geometry
- Physical Science & Biology Health,
- Physical Education 9 & 10
- Technology
- Fine Art

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Programs Available at Auburn Career Center

Advanced Manufacturing: 3 elective credits each year

This program is designed for students who plan to enter the world of Manufacturing with skills that will prepare them for careers dealing with: CNC Programming, Tool and Die Maker, Machinist, Inspection, Engineering and Design. Students will gain necessary skills to work with hand tools, precision tools, manual and CNC machines, and blueprints. Students will study the basic fundamentals and concepts that can be applied to manufacturing. This program will place an emphasis on the understanding of the technology as well as the creative skills that are needed for success in this evolving area.

Allied Health Technology: 3 elective credits each year

Allied Health Technology (AHT) is a Tech Prep program that is designed for students who plan to enter the world of healthcare with skills that will prepare them for a variety of healthcare careers. These careers may include positions as physicians, nurses, physical therapists, dietitians, medical assistants, and other members of the healthcare team. Students will gain necessary skills to work with a variety of medical equipment, scenarios, and lab experiences to help them experience healthcare careers. Students will study the basic fundamentals and concepts that can be applied to all healthcare careers in the first year. The second year focuses on a course that prepares the student to pass the Certified Clinical Medical Assisting (CCMA) exam. This program will place an emphasis on the understanding of the technology as well as the clinical and administrative skills that are needed for success in this field. Ohio College Tech Prep prepares students for high-skill, high-demand technical careers in a competitive global economy. Rigorous educational pathways emphasize math, science, and technology and lead to postsecondary education.

Architecture Project Management: 3 elective credits each year

This program is designed for students who plan to enter the world of Architecture Project Management (APM) with skills that will prepare them for careers dealing with the architecture project management field. Students will gain necessary skills to work with the design, estimating, and logistics of a construction project and interior design. Additionally, the program will focus on interior design as it relates to the architectural design of both residential and commercial buildings. Students will study the basic fundamentals and concepts that can be applied to the architecture field. This program will place an emphasis on the understanding of the technology as well as the creative skills that are needed for success in this evolving area. Upon completing this course, the student will be prepared to enter college with solid understanding of the Architecture & Project Management field. An upcoming aspect of the program will be the use of drones in the architecture and construction fields. The program will focus on the use of this new technology as a time and cost saving device and how it will enhance quality control. The students will be able to test for an FAA license to be able to pilot a drone.

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Automotive Collision Repair: 3 elective credits each year

With the advance of technology today many opportunities exist in the field of Collision Repair. It is an exciting field that includes estimating, shop ownership, a technician at a dealership, or being an instructor. The students in this program will learn the theory and hands on skills needed to gain entry-level employment in the field of collision repair. These would include MIG welding, rust repair, refinishing, unibody repair, collision repair, and restoration.

Automotive Technology: 3 elective credits each year

First Year Sequence

First-year students will perform all safety competencies. Junior students will perform the brakes, steering suspension, electronics, and engine performance at an entry-level. Students may be eligible for ASE and NC3-Snap on Tools: Multimeter and Torque certifications.

Second Year Sequence

Second-year students will perform Electronics, and Engine Performance by utilizing customer service and other projectbased learning activities. Seniors will also perform some heating and air-conditioning tasks. Seniors can also be involved in a work-study program. Students may be eligible for ASE and NC3-Snap on Tools: Multimeter and Torque certifications.

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Construction: 3 elective credits each year

This program is designed for students who plan to enter the world of Construction with skills that will prepare them for careers dealing with Construction. Students will gain the necessary skills to work in many different fields of construction. Students will study the basic fundamentals and concepts that can be applied to the construction field. 3 | Page This program will place an emphasis on the understanding of the technology as well as the creative skills that are needed for success in this evolving area.

Cosmetology: 3 elective credits each year

The Cosmetology program is a 1500 hour State mandated course overseen by the Ohio State Board of Cosmetology. All students must meet the 1500 hour requirement before they can apply to take their State Board exam at the end of their second year. Therefore, attendance is crucial to be successful in this program. Any student who does not meet the 1500 hour requirement by the end of their second year will not be eligible to take their State Board exam and would have to attend a private school to make up hours. Absences are limited to 15 days for the two years before hours need to be made up. Any first year students with excessive absences may be asked to return to their associate schools and not return to the Cosmetology program for their second year. To participate and meet all requirements for the Cosmetology program the students must take a math, English and science while enrolled in the Cosmetology program. The science course must be from one of the following: • Anatomy and Physiology • Chemistry • Biology

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Criminal Justice & Security (CJS): 3 elective credits each year

The course will follow the Law & Public Safety Career Technical Content Standards as set by the Ohio Department of Education. Standards covered over the two-year course include: Business Operations, 21st Century Skills, Asset Protection, Homeland Security, Investigations & Forensics, and Law Enforcement

Opportunity for Certifications:

ORDC Correctional Officer - Provisional

First Aid/CPR/AED Certifications

Incident Command System Certification

National Incident Management System (NIMS) Certification

Culinary Arts: 3 elective credits each year

This first year course: Hospitality Fundamentals and Food Production

This first course in the career field will introduce students to culinary arts, food service operations, lodging, travel, and tourism. Students will obtain knowledge of customer service principles and examine the impact of cultural, historical, social, and technological developments on key segments of the industry. They will also apply safety and sanitation techniques to prevent and control injuries, illnesses, and diseases in the workplace. Business law, employability skills, leadership, and communications will be addressed.

Students will prepare food products and beverages according to standardized recipes. They will apply plating and presentation principles to deliver attractive menu items, establish food specifications and prep lists, and develop ingredient and portion control guides. Safety and sanitation, standard knife skills, and culinary math will be emphasized. Employability skills, leadership, and communications will also be incorporated.

The second year course: Restaurant Management & Dining Room service and Operations

Students will apply management principles to plan, organize and direct restaurant staff toward goal achievement. They will hire, train, and supervise employees; establish processes to facilitate restaurant operations; and plan and design menus. Students will also forecast and schedule food production, establish food specifications, select vendors, calculate costs, and purchase food and nonfood products. Other topics include food science, nutritional analysis, business law and ethics, economics, and marketing.

Students will apply strategies and techniques to identify and meet dining guest needs. They will provide table and beverage service; maintain eating areas, meeting spaces, and serving stations; manage online reservations and orders; and monitor table turns, wait lines and table assignments. Nutritional analysis, types of table service, safety and sanitation, cultural intelligence, employability skills and communications will also be addressed

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Dental Assistant Technology (DAT): 3 elective credits each year

Dental Assistant Technology (DAT) is designed for students who plan to enter the world of healthcare with skills that will prepare them for careers in the dental field. These careers may include positions as a Chairside Dental Assistant, 3 | Page Circulation Assistant, Business Assistant, or Dental Office Manager along with laying the foundations for Expanded Functions Dental Assistant (EFDA) or Dental Hygiene. Students will gain the necessary skills to work with various dental equipment. Students will participate in various scenarios and lab experiences that will help them be successful in their dental careers. Students will study the basic fundamentals and concepts along with thorough infection control and sterilization techniques in the first year. The second year focuses on Radiology and Office technology. This program will emphasize the understanding of the technology as well as the clinical and administrative skills needed for success in this field.

Educator Career Pathways: 3 elective credits each year

First Year Course:

In summary, students will be introduced to and explore the following areas of the teaching profession: • Introduction to Education and Training • Safety and Health • Educational Technology • Child Growth and Development • Employability Skills • Educational Systems • Learner Characteristics • Instructional Strategies • Family/Community Collaboration • Professional Responsibilities and Growth • Business Ethics and Law • Leadership and Communications • Learning Environment • Career Safe Program

Second Year course:

students will reinforce and explore the following areas of the teaching profession: • Educational Philosophies and Theories • Culturally Responsive and Inclusive Education • Educational Technology • Learning Environment • Development of Career Plan • Educational Systems • Hiring Process Strategies • Teaching Methods and Theories • Scope of Career Opportunities • Professional Responsibilities and Growth • Business Ethics and Law • Leadership and Communication • Historical Perspectives of Education • Employability Skills

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Electrical Engineering Prep: 3 elective credits each year

First-Year

- Use basic electrical hand tools
- Make basic electrical connections
- Make continuity tests
- Measure voltage, current, and resistance
- Magnetism & Principles of Atomic Structure
- Understand N.E.C. codes and wire sizes
- Solder and wire PC boards and kits
- Use a variety of components in circuits
- Construct and analyze series circuits
- Construct and analyze parallel circuits
- Use OHM's law to analyze basic circuitry
- Use Watt's law to analyze basic circuitry
- Construct basic relay circuits
- Analyze basic schematic diagrams
- Use Oscilloscopes and function generators
- Wire and test single-phase transformers

Second-Year

- Construct and analyze inductive circuits
- Construct and analyze capacitive circuits
- Calculate reactance and impedance
- Wire receptacle circuits
- Wire single pole lighting circuits
- Wire three-way lighting circuits
- Wire split receptacle circuits
- Wire circuit breaker panel
- Wire low voltage control system
- Wire G.F.C.I. circuit
- Wire lighting fixtures
- Use an oscilloscope
- Use a function generator
- Wire and test diode circuits
- Wire and test rectifier circuits
- Wire and test filter circuits
- Wire and test power supply circuits
- Design and construct a Senior Project

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Emergency Medical Services: 3 elective credits each year

The first year in the EMS program revolves around introducing students to the world of public safety. Students will explore career opportunities and pathways in which the coursework and credentials taught this year can be applied to many career paths. Some of these pathways include: EMT-Paramedic, Firefighter, Emergency Telecommunications Specialist, Registered Nurse, Respiratory Therapist, Physician Assistant, Nurse Practitioner, Physician, Surgical Technician, and many other options.

The second year is the State of Ohio's curriculum for Emergency Medical Technician. This includes clinical rotations at a variety of area fire departments and emergency rooms. The second year of the course will include written, practical, and clinical experiences. The emphasis of this entire two-year course is to prepare the student to take the National Registry EMT-B Practical and Written Exams for certification, while providing them with comprehensive career exploration of the EMS field.

Heating, Ventilation, & Air Conditioning: 3 elective credits each year

Student will learn the intricacies of installing both heating and air conditioning units with an understanding of fossil fuel combustion systems. Student also learn to apply the principals of residential and commercial wiring. Certifications and college credit available.

Interactive Multimedia Technology: 3 elective credits each year

Interactive Multimedia Technology program areas will prepare students for careers using multimedia technology to develop digital products for business, training, entertainment, communications and marketing. Students will gain the necessary technical and academic skills to create, design and produce interactive media products and services.

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Marketing and Business Applications: 3 elective credits each year

This program, designed to provide a fundamental understanding of business management, will cover managing, marketing, financing, and communicating within a business environment. Skills taught will include communication, problem-solving, decision making, economics, ethics, finance, marketing, and entrepreneurship. Assignments are individual, group and project based. They will provide a solid foundation for future coursework.

Network Security & Robotics (NSR): 3 elective credits each year

First Year Sequence

Computer Hardware - Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.

Computer Software - Students will apply knowledge and skills of commercial and open source operating systems in portable, stand alone, and networked devices. Students will install a variety of operating systems manually and using remote assistance. They will learn to configure, modify, and troubleshoot operating systems. Desktop virtualization, system security, and operating system history will be addressed.

Networking - Students will install, configure, and troubleshoot network hardware and peripherals. Students will learn networking by exploring the OSI model, network topologies, and cabling. Students will design simple networks, know how to select physical devices, and be able to configure the equipment. Knowledge and skills relating to the operation and usage of network protocols will be developed.

Second Year Sequence

Cyber Security (Security Plus) - We will introduce the basics in Cyber Security. Show how to identify and mitigate basic intrusion.

Windows Server Concepts - Students will learn the functions, characteristics, and operations of a Windows Server 2012 and 2016. Learn how to install and configure basic server roles such as Active Directory, DHCP, DNS, and Security

Patient Care Technician: 3 elective credits each year

This program is designed for students who plan to enter the world of healthcare with skills that will prepare them for careers dealing with Nursing, State Tested Nursing Assistant, EKG Technician, Phlebotomist, Patient Care Technician, and other areas of allied health. Students will gain the necessary skills to work in hospitals, nursing homes, clinics, as well as in physician's offices. Students will study the basic fundamentals and concepts that lay the groundwork for a future in healthcare.

Patient Care Technician is a Tech Prep Program. Students have the potential to earn bilateral college credits for work completed in the Patient Care Technician program while attending Auburn Career Center. Students may also choose to take the National EKG Certification Exam and/or the National Phlebotomy Certification Exam and/or Patient Care Technician Exam and/or State Tested Nursing Assistant (STNA) Certification Exam.

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Horticulture Science Technology: 3 elective credits each year

First Year Course(s) Description/Outcomes:

Greenhouse and Nursery Management

Students will learn production practices for the successful growth of nursery stock and/or greenhouse plants. The course will infuse principles science, engineering, and business to address sustainable production and greenhouse facility management. Environmental operations including water and fertilizer distribution, lighting, ventilation, temperature, and pest control will be applied. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Students will also engage in communication, marketing, sales, and service related to the greenhouse and nursery industries.

Plant and Horticultural Science

This course focuses on skills and technologies essential for agricultural and/or horticultural crop production. Cultural and sustainable production practices will be examined. Students will apply scientific knowledge of plant development, nutrition, and growth regulation. Environmental aspects of irrigation, chemical application and soil conservation will be evaluated. The course will also include equipment and precision technologies used in the industry. Projects and activities will enable students to develop communication, leadership, and business management skills.

Turf Science and Management: (1/2)

Students will apply principles of science, engineering, and business to support the establishment and maintenance of residential, athletic and recreational turf. Students will learn techniques for the establishment, care, production, and marketing of turf grass along with safe operation and maintenance of specialized equipment. Throughout the course, environmental awareness and conservation practices will be emphasized along with communication, business, and management strategies appropriate for the industry.

Second Year Course(s) Descriptions/Outcomes:

Turf Science and Management: (1/2)

Students will apply principles of science, engineering, and business to support the establishment and maintenance of residential, athletic and recreational turf. Students will learn techniques for the establishment, care, production, and marketing of turf grass along with safe operation and maintenance of specialized equipment. Throughout the course, environmental awareness and conservation practices will be emphasized along with communication, business, and management strategies appropriate for the industry.

Landscape Design and Build

Students will develop skills in landscape planning, design, estimation and application. Basic principles of design and engineering will be emphasized. Drawing and drafting techniques will include the use of technology such as computer-aided design. Students will incorporate and construct hardscapes, and will examine the use of artificial lighting and water systems. Environmental effects of landscape will be evaluated and eco-friendly techniques applied. Business management procedures, project estimations, and sales techniques will also be practiced.

Auburn Career Center

COURSE DESCRIPTION CATALOG 2026-2027

Production and Welding Technology: 3 elective credits each year

Welcome to Auburn Career Center and the Production and Welding Technology Program. Students that complete this program can earn up to 11 college credit hours and 2-3 Industry recognized certifications. Prepare for a career as a multi-skilled technician; learn technical job skills covering electrical, mechanical, fluid power, welding and automation. Students will be able to design, build, operate, maintain and troubleshoot advanced manufacturing systems.

Programming & Robotic Operations

Pro Web & Game Design: 3 elective credits each year

In this course, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

Program Scope

First Year Course(s)

In this course, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

Game Design -

This course will prepare students to design and program games using commercial and open source programs and applications. Students will learn industry standard programming language constructs to write programs that integrate classes, class methods, and class instances. Students will learn input method handling, animation, collision detection, game physics and basic artificial intelligence.

Second Year Course(s)

Information Technology

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

Web Design

Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Welding: 3 elective credits each year

First Year Course(s) Description/Outcomes:

Shielded Metal Arc Welding

Description: Students will be able to safely use the Shielded Metal Arc Welding process (SMAW) to join various types of metal. They will perform multiple types of welds in all positions up to overhead. They will select the appropriate type of electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their understanding of quality control factors to evaluate the quality of welds.

Gas Metal Arc Welding

Students will safely use the Gas Metal Arc Welding process (GMAW) to join various types of metal. They will cut metals using oxy-fuel processes and perform multiple types of welds in all positions up to overhead. They will select the appropriate type of electrode and shielding gas and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their understanding of quality control factors to evaluate weld quality.

Second Year Course(s) Description/Outcomes:

Flux Core Arc Welding

Description: Students will be able to safely use the Flux Core Arc Welding process (FCAW) to join various types of metal. They will perform multiple types of welds in all positions up to overhead. They will select the appropriate type of cored electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their understanding of quality control factors to evaluate the quality of welds.

Gas Tungsten Arc Welding

Description: Students will safely use the Gas Tungsten Arc Welding process (GTAW) to join various types of metal. They will perform multiple types of welds in all positions up to overhead. They will select the appropriate type of electrode, filler metal and shielding gas and be able to adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply their understanding of quality control factors to evaluate weld quality.

Exercise Science & Training: 3 elective credits each year

Immerse yourself in the realm of sports and fitness, where you can learn to prevent injuries, maintain strength, and assist others in achieving their wellness goals. Gain insight into the physiology of athletes and the mechanics of muscle function. This field encompasses a wide array of topics, including cardiovascular health, nutrition, sports training, physical therapy, and overall well-being.

College Credit Plus (CCP)

COURSE DESCRIPTION CATALOG 2026-2027

Ohio's new College Credit Plus can help you earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university through College Credit Plus is free. That means no cost for tuition, books or fees. If you choose to attend a private college or university, you may have limited costs.

Riverside High School has the following requirements for participating in the College Credit Plus program.

1. In January of the current school year, the student and a parent/guardian are encouraged to attend an informational meeting held at Riverside High School. At this meeting, representatives from both Lakeland Community College and Lake Erie College will be on hand to provide information about taking CCP courses at their respective institutions. Students may take CCP courses at any post-secondary school in Ohio. Students who want to attend a school other than Lakeland Community College or Lake Erie College should talk with their child's guidance counselor to get information on that school. Once a student has participated in the CCP program, they will **not** be required to attend this meeting in subsequent years.
2. Three forms; *Information Certification*, *Intent to Participate* and Mature Content Permission form must be signed and received by Riverside High School by a deadline, which will be set each year. This is usually the last Friday in the month of March. These forms will be available at the CCP informational meeting and in the Riverside Guidance Office the following day.
3. Students entering 10th, 11th, or 12th grade, whose cumulative unweighted high school grade point average is 3.00 will automatically qualify. Student entering 7th, 8th, or 9th grade will be required to score at an appropriate level on either the ACCUPLACER Placement exam or the ACT. Failure to meet the appropriate placement score will disqualify a student from participating in the CCP program.
4. Students will meet with a school counselor to help determine which courses will be taken at the college level and which (if any) will be taken at Riverside High School.
5. Students will schedule an appointment with a college advisor to set up their college courses.
6. The student will have their school counselor sign off on the college course selection form. This form will be returned to the college.

College Credit Plus (CCP)

COURSE DESCRIPTION CATALOG 2026-2027

Dual Enrollment

Dual Enrollment is a branch of the College Credit Plus program, whereby, students can enroll in college-level courses taught at Riverside High School by a Riverside High School teacher. Currently, we are working in conjunction with Lakeland Community College. Students will receive college credit from Lakeland Community College for Dual Enrollment courses taken at Riverside High School. All of the requirements listed above for College Credit Plus will be the same for the Dual Enrollment courses.

Below are the course descriptions for the current Dual Enrollment course that are offered at Riverside High School.

ENG330 – English Composition 1 CCP (Lakeland – ENGL1110) – 1 semester

GPA Weighted Course

Prerequisite: placement test

This course focuses on the writing process and on the composition of expository writing assignments, including personal, informational, and critical essays. Students will read and analyze expository and imaginative texts (fiction, nonfiction, poetry, or drama).

ENG340 – English Composition II CCP (Lakeland – ENGL1120) – 1 semester

GPA Weighted Course

Prerequisite: placement test

This course analyzes argumentative strategies, models, and texts. Students will focus on the research process: identifying sources through electronic and print-based research strategies, evaluating research materials, and integrating and synthesizing research materials. The course culminates in the production of a fully documented argumentative paper.

MTH500 – College Algebra CCP (Lakeland – MATH1650) – 1 semester

Prerequisite: placement test & completion of highschool Algebra2

This course investigates relations and functions numerically, analytically, and graphically. Topics include solutions of polynomial and rational equations and inequalities; exponential and logarithmic equations; systems of linear and non-linear equations; conic sections; sequences and series; and mathematical modeling. Students will need to supply a graphing utility; the instructor will provide details.

MTH510 – Trigonometry CCP (Lakeland – MATH1700) –1 semester

Prerequisite: MTH550College Algebra or placement test

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations; the use of identities, vectors, and complex numbers; and graphs of polar and parametric equations. Students will need to supply a graphing utility; the instructor will provide details.

College Credit Plus (CCP)

COURSE DESCRIPTION CATALOG 2026-2027

SOC230–Western Civilization 1 –(Lakeland – HIST1150)–1 semester

Prerequisite: Placement into CCP program

This course provides a survey of the origins and growth of the social, religious, political, and economic foundations of Western European culture through the end of the Reformation, concluding in 1648.

SOC240 -Western Civilization 2 – (Lakeland – HIST1250) – 1 semester

Prerequisite: Placement into CCP program

This course provides a survey of the development of modern European society from the age of absolutism to the present. It is designed to provide students with an understanding of the political, religious, economic, intellectual, and cultural evolution of the western tradition from 1648 to the present.

ASLI 1100 Introduction to American Sign Language I (TAG) 4 Credits

This introductory course focuses on developing an understanding of Deaf and nonverbal populations and ways to communicate effectively with them using American Sign Language. The course introduces fingerspelling/manual alphabet and basic grammar and vocabulary.

ASLI 1200 Introduction to American Sign Language II (TAG) 4 Credits

Prerequisite: ASLI 1100 or proficiency test.

This course builds on the knowledge and skills developed in ASLI 1100 Elementary American Sign Language I, focusing on increasing speed, fluency, vocabulary, receptive skills and knowledge of grammatical structures. It introduces proper translation of English idiomatic expressions and colloquialisms.

WELD 1040 Introduction to Metal Fabrication and Mechanized Welding 3 Credits

This course provides instruction and laboratory work to gain knowledge and skills related to metal fabricating-including hands-on use of basic metal fabricating machines and mechanized arc resistance welding equipment. Students do not do any hands-on manual or semi-automatic welding in this course. Topics include safety and health concerns; print reading and sketching; welding symbols and weld gauges; measuring devices and instruments; lay-outs; metal fabricating processes; operation of metal fabricating machines and related material handling equipment; operation of resistance spot welding and mechanized or robotic welding equipment; and the design, building and use of jigs and fixtures. Students must provide safety glasses, work gloves, work boots with steel toes and a calculator capable of calculating square roots for this course. (5 contact hours: 2 lecture, 3 lab)

WELD 1320 Basic SMAW (Stick) Welding 2 Credits

Prerequisite: WELD 1030 (can be taken concurrently).

This course introduces students to Shielded Metal Arc Welding (SMAW) of carbon steel. Laboratory experience develops the skill to produce acceptable fillet and groove welds in the flat and horizontal positions, and includes functions and specific uses of manual welding equipment, various SMAW (Stick) welding techniques, special metals handling, and welding certification requirements. Students must furnish: welding helmet (shade #10 or above); safety glasses; work gloves; long pants; welding jacket; leather work boots, preferable steel toe; 8" crescent wrench; soapstone and holder; tape measure; combination square; chipping hammer; wire brush; center punch; 12 oz. ball peen hammer; and tool bag. 4 1/2" grinder is optional.
(4 contact hours: 1 lecture, 3 lab)

WELD 1330 Basic GTAW (TIG)3 Credits

Prerequisite: WELD 1030 (can be taken concurrently).

This course introduces students to the basic concepts involved in using the Gas Tungsten Arc Welding (GTAW) or (TIG) process to produce cost effective fillet and groove welds in the flat and horizontal positions. Welds are made in carbon steel, stainless steel, and aluminum. Familiarization with the equipment, set up, materials, and the manipulation technique are emphasized. Students must furnish: long pants; welding helmet (shade #10 or above); safety glasses; work gloves; welding jacket; leather work boots, preferable steel toe; 8" crescent wrench; soapstone and holder; tape measure; combination square; chipping hammer; wire brush; center punch; 12 oz. ball peen hammer; and tool bag. 4 1/2" grinder is optional.
(5 contact hours: 1 lecture, 4 lab)

College Credit Plus (CCP)

COURSE DESCRIPTION CATALOG 2026-2027

WELD 1340 Basic FCAW (Flux Cored) and GMAW (MIG/MAG) Welding 3 Credits

Prerequisite: WELD 1030 (can be taken concurrently).

This course introduces students to the basic concepts of utilizing the Flux Cored Arc Welding (FCAW) and Gas Metal Arc Welding (GMAW) processes to make fillet and groove welds in the flat and horizontal positions in carbon steel, stainless steel, and aluminum. Laboratory experience includes skill development in both types of arc welding. Students must furnish: welding helmet (shade #10 or above); safety glasses; work gloves; long pants; welding jacket; leather work boots, preferable steel toe; 8" crescent wrench; soapstone and holder; tape measure; combination square; chipping hammer; wire brush; center punch; 12 oz. ball peen hammer; and tool bag. 4 1/2" grinder is optional. (5 contact hours: 1 lecture, 4 lab)



One Community. Pursuing Greatness. Getting Better Every Day.