

2022-2023 Noble High School Course Catalog

Language Arts

English I(4045) Grade- 9 2 Semesters- 1 Unit

Grammar, composition, vocabulary, and literature will be studied. Outside reading is required.

English I Honors (4045) Grade- 9 2 Semesters- 1 Unit

Prerequisite: Student must have passed both semesters of 8th grade English or 8th Grade Honors English with a C or above. Grammar, composition, vocabulary, and literature will be studied. Outside reading is required.

English II (4048) Grade 10 2 Semesters- 1 Unit

Grammar, composition, vocabulary, and world literature will be studied. Research writing will be introduced and is required.

English II Honors (4048) Grade 10 2 Semesters-1 Unit

Prerequisite: Student must have passed both semesters of English I or English I Honors with a C or above. Grammar, composition, vocabulary, and world literature will be studied. Research writing will be introduced and is required.

English III(4051) Grade 11 2 Semesters-1 Unit

Grammar, composition, vocabulary, and American literature will be studied. Outside reading for reports and essays is required. Research writing techniques will be studied. Outside reading is required.

AP Literature and Composition(4010) Grade 11,12 2 Semesters- 1 Unit

Prerequisite: Student must have passed both semesters of English II or Pre-AP English II with a C or above.

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. If a student enrolls in this course, he or she MUST take the AP Exam, or only the standard English III or English IV credit will be transcribed.

English IV (4054) Grade 12 2 Semesters- 1 Unit

Grammar, composition, vocabulary, and British Literature will be studied. Research paper is REQUIRED.

Creative Writing (4301) Grades 9,10,11,12 2 Semesters-1 Unit

This elective class will cover a variety of creative writing assignments. Possibilities include several kinds of poetry, essays, short stories, and plays.

Yearbook (4240) Grades 9,10,11,12 2 Semesters- 1 Unit

This class is designed for experienced yearbook or journalism students who are interested in publishing. Students will learn how to create layouts, edit copy, photograph people and events, and design personal and business ads for the school yearbook. Students should have desktop publishing skills and must be able to work against deadlines. Participation in fundraising activities may also be required.

Academic Team (2735)

Grades 9,10,11,12

2 Semesters-1 Unit

This course is composed of a competitive academic team. Preparation and participation in the OSSAA Academic Bowl are the primary goals of this course. Students focus on knowledge obtainment and problem solving from multiple disciplines.

ACT Prep (2740)

Grades 10,11,12

2 Semesters- 1 Unit

Prerequisite: Geometry

This is an elective course for college bound students. Course content will include test registration information, strategies for taking the ACT Test, and exercises for improving skills in all areas of the test. In addition, students will research colleges, complete college and scholarship applications, research scholarship opportunities, listen to guest speakers from various colleges, and visit a few campuses. Students will take pre-test and post-test in each content area of the ACT.

Math**Algebra I (4411)**

Grade 9,10

2 Semesters- 1 Unit

Algebra I is the foundation of all other math courses and therefore, very important. It is a review of the basic operations involving fractions and integers. The course includes these topics: evaluation of algebraic expressions, factoring, solving equations, graphing, and working with exponents.

Geometry (4520)

Grade 9,10

2 Semesters- 1 Unit

Prerequisite: Algebra I

Materials Needed: Compass, protractor. This course covers the basic concepts and applications of geometric principles. Activities, hands on experiences, and projects will be incorporated in exploring and reinforcing geometric relationships. This course is designed for those students needing extra practice and reinforcement while learning the basic geometry skills.

Geometry Honors (4520)

Grade 9,10

2 Semesters- 1 Unit

Prerequisite: Algebra I

Honors Geometry is a college preparatory course that begins with an introduction to the basic geometric concepts of point, line, and plane. Students will use these basic concepts to develop and prove theorems, to understand postulates and to derive and use the properties of parallel lines and planes, congruent triangles, similar triangles, right triangles, circles, constructions, area and volume, coordinate geometry, and transformations.

Algebra II (4413)

Grade 10,11,12

2 Semesters- 1 Unit

Prerequisite: Algebra I

This course is an extension of Algebra I and includes these topics: real numbers, equations, inequalities, graphs, polynomials, factoring, rational expressions, irrational numbers, complex numbers, quadratic equations and functions, systems of equations, analytic geometry, exponential functions, and logarithmic functions.

Honors Algebra II (4414)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisites: Algebra I and Geometry

This is a college preparatory course designed to prepare students for entrance into the AP Calculus course. Topics include: Algebra I concepts, matrices, conic sections, polynomial functions, exponential and logarithmic functions, and discrete mathematics and probability. The graphic calculator will be used extensively throughout this course.

Pre -AP Calculus (4612)

Grades 10,11

2 Semesters – 1 Unit

Prerequisites: Honors/ Honors Algebra II and Honors Geometry

This course is a college preparatory course that is designed to prepare students for Advanced Placement Calculus. Topics extended from previous studies are polynomial functions, systems of equations, complex numbers, sequences and series, and analytic geometry. New topics introduced include trigonometry, probability, rational functions, limits, and mathematical induction. The graphing calculator will be used extensively throughout the course.

Advanced Placement Calculus (4615)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Pre-AP Calculus

The AP Calculus AB course is designed to provide students with a learning experience equivalent to that of an introductory college course in calculus. The calculus AB course develops student's understanding of the concepts of calculus and provides experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally, with the connections among these representations highlighted. Students should prepare for extensive problem solving and in-depth analysis. Self-motivation is expected. If a student enrolls in this course, they **MUST** take the AP exam in order to receive AP credit on their transcript.

Calculus (4612)

Grades 11,12

2 Semesters– 1 Unit

Prerequisite: Pre-AP Calculus

Calculus is a upper division math course that extends students experience with functions, limiting behaviors, difference quotients and derivatives. This course is designed to strengthen student's problem solving skills.

Statistics (4740)

Grade 11,12

2 Semesters- 1 Unit

Prerequisites: Algebra I, Geometry, and Algebra II

Statistics and Probability is designed to provide basic understanding of descriptive and inferential statistics. This course includes the topics: measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and normal distributions. Emphasis is on applications of statistical concepts where students will gain experience with data analysis.

AP Statistics (4760)

Grade 11,12

2 Semesters-1 Unit

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Math of Finance (4770)

Grade 11, 12

2 Semesters- 1 Unit

Prerequisites: Algebra I, Geometry

Math of Finance is the study of real world financial literacy. Topics focus on personal finance, investments, financial planning, taxes, credit, credit cards, and loans.

Social Studies

Modern History (5610)

Grade 9

1 Semesters– ½ Unit

Modern History is an introduction to the events of the past 100 years. Topics will be analyzed from political, social, and cultural perspectives.

Oklahoma History (5620)

Grade 9,10,11,12

1 Semester – ½ Unit

This one-semester class emphasizes the contributions of all ethnic groups in the social, economic, and political development of the state. The unique role of the American Indian is a major focus of the class including a study of tribal variations in customs and practices. Students also become familiar with the geography of Oklahoma and the developments since statehood.

Human Geography (5530)

Grades 10,11

1 Semester – ½ Unit

This one-semester course studies the interrelationships between humans and their cultures, economies, and activities. The influence of these factors on the earth's surface and environment will be studied in detail.

U.S. History (5411)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Modern History

This two-semester required course for high school students includes units on the social and cultural aspects of the United States from 1850 to present. Students will strengthen, expand, and put to use the full range of processes and research skills in social studies to gain a thorough understanding of the history of the United States.

Government (5541)

Grade 12

1 Semester – ½ Unit

The study of the American systems of government is extraordinarily dynamic. We will study why government is the institution through which society makes and enforces its public policies. The course will encourage active participation in the process of government and citizenship by engaging students in topics and issues that are relevant to their lives. The course will provide a strong foundation in the origins and principles of American government. We will emphasize multiple viewpoints to get students thinking and making decisions about real issues. We will explore controversial issues through case studies and special features that promote active citizenship.

Military History (5789)

Grades 9,10,11,12

2 Semesters – 1 Unit

This two-semester course is designed to increase student knowledge of the causes and outcomes of war. This class will also look at different political, economic, social, and scientific aspects of human conflict.

Science**Physical Science (5161)**

Grade 9

2 Semesters – 1 Unit

Physical Science is the study of non-life science. It covers the basics of atoms, chemical reactions, force, and motion. The course provides a basic introduction to the fields of chemistry and physics.

Biology I (5031)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisites: Physical Science

Biology is the study of living organisms. Topics covered include classification, cells, heredity, and ecological relations.

Honors Biology (5031)

Grades 9,10

2 Semesters – 1 Unit

Prerequisite: Physical Science

Biology is the study of life. This accelerated course will include classification, the cell, heredity, and ecology.

Honors Biology II (5032)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisite: Physical Science and Biology I

Students will cultivate their understanding of Biology through inquiry based investigations, as they explain various phenomena in energetics, information storage and systems interactions. Self motivation is expected.

Chemistry I (5051)

Grades 10, 11, 12

2 Semesters – 1 Unit

Prerequisite: Biology I

The study of materials, their composition, and the changes they undergo. Topics covered include matter and change, atomic structure, and reactions. Lab skills are introduced and developed.

Zoology (5240)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Biology I

An in-depth study of animals: both vertebrates and invertebrates. Topics covered include ecological relationships and comparative anatomy. This course includes the dissection of a representative of each major animal group.

Human Anatomy (5333)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Physical Science and Biology I

Students will study the structures of the human body systems. Mammalian anatomy will be studied by conducting lab dissections of various organs and a fetal pig.

Physics I (5211)

Grades 11,12

2 Semesters – 1 Unit

Prerequisites: Algebra I and current enrollment in Algebra II or greater.

Physics is an introduction to the science dealing with the properties, changes, and interactions of matter and energy. This class will cover such topics as: motion and forces, energy, thermodynamics, gravity, sound, light, and electricity.

Astronomy (5020)

Grades 10, 11, 12

2 Semesters- 1 Unit

Prerequisites: Physical Science and Biology

Astronomy is the study of bodies in space. Content will cover the physical, chemical, and geological properties of stars, galaxies, and the universe. Additional subjects covered are the evolution of stars and the basic physics associated with celestial motion and gravity.

Environmental Science (5120)

Grades 10,11,12

2 Semesters– 1 Unit

Prerequisites: Physical Science and Biology

Environmental science incorporates more of the social sciences for understanding human relationships, perceptions, and policies towards the environment.

AP Biology (5035)

Grades 10,11,12

2 Semesters- 1 Unit

Prerequisites: Physical Science and Biology I

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explain various phenomena in energetics, information storage, and system interactions. Self motivation is expected. Students enrolled in this course MUST take the AP Exam in order to receive AP credit on their transcript.

Fine Arts

Art I (2808)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisites: Arts and Crafts or Teacher Approval

Students will be introduced to the art terms called: Elements and Principles of Design. This Art studio is arranged so that students are involved in team development and instructor guidance. The student will also be introduced to the basic mediums used in art. All projects will have an innovated and enthusiastic mind set to adapt in this setting.

Art II (2809)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisites: Art I and Teacher Approval

This class is for the serious artist. You must understand how the elements and principles of design work, in a composition. There will be thirty (30) technical drawings due through out this course. You will be involved in every style of drawing, from line style to all of the prospective techniques. There will be no tracing at this level. You will create a tessellation pattern based off the mathematical formation used in geometry. The rules of proportion will be covered and utilized. The formal rules of design will also be implemented in all of the drawing projects. This class is very fast paced and will challenge you to becoming a better artist, as well as developing problem solving skills.

Art III (2810)

Grades 11,12

2 Semesters – 1 Unit

Prerequisites: Art II and Teacher Approval

This course is for the advanced artist. You will be trained to organize your art portfolio into a professional presentation. You will print two landscapes, make an edition, and paint a portrait in water color. You will also work with several printing methods. You will start a concentration and theme that will develop and progress throughout the year.

Art IV (2811)

Grade 12

2 Semesters- 1 Unit

Prerequisites: Art III and Teacher Approval

Advanced Art IV is an advanced course building upon student competence in skills of analysis, evaluation, and creation of works of art. There is a continued emphasis upon aesthetic knowledge, visual problem solving, creative growth, and the use of media skills for personal expression as more of a student-directed approach to art instruction. An advanced level of performance will be exhibited in the extension of the student's portfolio, including quality and range of artwork produced throughout the high school program.

Graphic Arts (2851)

Grades 9,10,11,12

2 Semesters- 1 Unit

This course focuses on the procedures and software commonly used in the graphic communication and design industries. Students will gain experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic communications. Extensive use of Adobe Suite products will be taught during this course.

Band (3001)

Grades 9,10,11,12

2 Semesters – 1 Unit

The Noble High School Band will help students continue to develop musically, responsibly, and individually, as well as learn to work together as a group. Members perform at football games, give concert performances, and attend in-state and out-of-state competitions. Basic music theory and music appreciation are also covered.

Lab Band (3022)

Grades 9,10,11,12

2 Semesters – 1 Unit

Prerequisites: Band

Lab Band offers talented students the opportunity to study and play different styles including Dixieland, twelve-bar blues, swing, and big band arrangements. Basic theory, including chord structures, will develop the ability to “ad lib” solos. REQUIRES previous playing experience.

Music Appreciation (3053)

Grades 9,10,11,12

2 Semester – 1 Unit

This class is designed to give students a basic understanding of music and to inspire an appreciation for music from a variety of genres and cultures. We will apply the elements of music to our favorite music and investigate how music has changed throughout history.

Vocal Music I (3071)

Grades 9,10,11,12

2 Semesters- 1 Unit

Structured for beginning or intermediate choir students, this course offers the fine arts credit. Students will learn and perform a wide variety of musical literature for participation in concerts. Students will learn basic skills of sight-reading, ear-training, and basic music theory.

Vocal Music II- Treble Choir (3072)

Grades 10,11,12

2 Semesters - 1 Unit

Structured for advanced choir students, this course offers the fine arts credit. This is a singing course. Students will learn and perform a wide variety of musical literature for participation in concerts and contests. Students will learn basic skills of sight-reading, ear-training, and basic music theory. Performances are a percentage of the grade, and rehearsals may be held after school. This is a competitive choir therefore the commitment level for this course is high.

Vocal Productions/Theater (3023)

Grades 9,10,11,12

2 Semesters – 1 Unit

Vocal Productions/Theater is a live performance art course. This is a rigorous course designed to include both acting and choral students. Students express creativity and learn the elements of production (directing, acting, singing, choreography, and design) while practicing and performing live shows. Many practices will be after school hours.

Drama I (4019)

Grades 9,10,11,12

2 Semesters- 1 Unit

Drama is an introduction to the theatre. Students become acquainted with the history of the theatre and various significant plays. Areas of technical production such as make up, lighting, costuming, and set design are studied.

Drama II (4020)

Grades 10,11,12

2 Semesters- 1 Unit

Prerequisite: Drama I

In this course, students will develop an advanced knowledge and application of theatre, primarily in performance. We will put special focus on improve, acting styles, directing, and playwriting. Performance tasks will include scene work with a partner or group, monologues, and a final class public performance. Intense study of a variety of plays and dramatic forms will be included. Students may also be required to rehearse and perform after school hours.

Stagecrafts (2856)

Grades 9,10,11,12

2 Semesters – 1 Unit

Stagecraft, or the study of Technical Theatre, is the sole domain of Visual and Performing Arts learning that combines the fields of visual art, performance, technology, vocational training, industrial arts, design, business management, architecture, drafting, cultural history, and of course, theatrical arts. Students develop real world skills and create products and sets for the Vocal Productions/Theater class.

Competitive Speech (4221)

Grades 9,10,11,12

2 Semesters- 1 Unit

This is an advanced course for competitive speech and acting. Class requirements include preparation for and competition in interscholastic contests. Students are required to compete in tournaments, to prepare a personal portfolio and repertoire, and to participate in theatrical productions throughout the year. After school and some Saturday participation is required.

Sculpture I (2901)

Grades 10,11,12

2 Semesters- 1 Unit

Prerequisite: Arts and Crafts or Art I

This course introduces basic sculpture techniques, such as carving, casting, modeling, and welding, with emphasis on understanding issues of line, plane, shape, and volume. Plaster, metal, clay, and wood are utilized to help the student understand the form and content of sculpture.

Sculpture II (2902)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Sculpture I

Fabrication Techniques in sculpture using wood, metal and other building and industrial materials. Techniques include basic carpentry, woodshop skills and an introduction to metal fabrication.

World Languages

Spanish I (3161)

Grades 9,10,11,12

2 Semesters – 1 Unit

This course is an introduction to the Spanish language. It stresses the four basic skills of listening comprehension, speaking, reading comprehension, and writing. Spanish grammar is an important component of this course in order to help students master these skills. The student is also introduced to the geography and culture of Spanish-speaking countries.

Spanish II (3162)

Grades 9,10,11,12

2 Semesters – 1 Unit

Prerequisite: Spanish I

This course stresses intermediate language skills in the four areas of listening comprehension, speaking, reading, and writing with continued emphasis on the grammatical structure of the language. Studies in the geography, history, and culture of Spanish-speaking countries are continued.

Spanish III (3163)

Grades 10,11,12

2 Semesters – 1 Unit

Prerequisite: Spanish II

While continuing to master the four basic language skills mentioned above, the third-year Spanish students will focus on the study of Hispanic culture and history through reading and discussion in Spanish. Literature in the form of short stories and poetry from a variety of Hispanic countries is included in the curriculum. Advanced grammar structures are also taught.

Spanish IV (3164)

Grades 11,12

2 Semesters – 1 Unit

Prerequisite: Spanish III

This course also focuses on the culture, history, and literature of Spanish-speaking countries through reading and discussion in the target language. Advanced grammar is also taught with more emphasis on mastery of these forms than in Spanish III.

German I (3121)

Grades 9,10,11

2 Semesters – 1 Unit

German I is an introduction to the pronunciation, basic comprehension, and communication in German through active class use of simple vocabulary, grammar and syntax. Students will learn vocabulary and grammar necessary to communicate in various situations. Topics on culture and contemporary events in regions where German is spoken will form an integral part of this course.

German II (3122)

Grades 10,11,12

2 Semesters – 1 Unit

German II is a continuation of German I, and will provide you with a further introduction to the language and cultures of German-speaking countries. You will have the opportunity to practice listening, reading, writing, and speaking in German both through in-class activities and homework assignments. Prerequisite: German I

German III (3123)

Grades 11,12

2 Semesters – 1 Unit

Students continue to develop their proficiency in speaking, listening, writing, and reading by interacting with other speakers of German. Students will understand oral and written messages in the target language and will make level-appropriate oral and written presentations. Prerequisite: German II

German IV(3124)

Grade 12

2 Semesters – 1 Unit

Students continue to advance their proficiency in language and grammar in accordance with ACTFL standards. Class is conducted in the target language with focus on conversation. Writing becomes more sophisticated and reading is more challenging. Cultural and career awareness are emphasized through a variety of target language media.

Physical Education

Physical Education (3320)

Grades 9,10,11,12

2 Semesters – 1 Unit

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning.

Outdoor PE (3320)

Grades 10,11,12

2 Semesters- 1 Unit

Outdoor PE is a course offered in conjunction with the Oklahoma Department of Wildlife Conservation outdoor education initiative. This program includes the Varsity Archery Program, Explore Bowhunting, and Hunter Education in the Schools.

Competitive Athletics (3300)

Grades 9,10,11,12

2 Semesters – 1 Unit

This course is designed for athletes to train and compete in OSSAA sanctioned sports. This includes team and individual sports. Noble High School offers the following sports: Baseball, Basketball, Cheer, Cross-Country, Fast-Pitch Softball, Football, Golf, POM, Soccer, Track, Volleyball, Wrestling.

Leadership/Internships

Leadership (2760) Student Council Grades 9,10,11,12

2 Semesters – 1 Unit

Prerequisite: Teacher Approval

Students will study all aspects of leadership: self-awareness, leadership theories and styles, communication, organization, group processes, problem solving, and evaluation. The skills learned in class will be applied to school activities. Students must be able to work outside of class time for community service hours and school activities requirements. Applications must be filled out to be considered for this course.

Leadership II /STUCO Grades 11, 12

2 Semesters – 1 Unit

Prerequisite: Leadership I and Teacher Approval

This Course is built off the foundations and principals of Leadership I. Applications must be filled out to be considered for this course.

Junior Internship (2790)

Grade:11

2 Semesters—Unit

This course is designed for junior students to learn about a chosen career field and determine if the career is for them. Students work along side professionals and observe the workplace to gain specific knowledge about possible career choices.

Senior Internship (2791)

Grade: 12

2 Semesters—Unit

This course is designed for senior students to continue to learn about a chosen career field and determine if the career is right for them. Students work along side professionals and observe the workplace to gain specific knowledge about possible career choices.

Agricultural Education

Agriscience I (8211)***Prerequisite for all agriculture courses Grades 9-12

2 Semesters – 1 unit

Agriscience I is an introductory course that introduces students to the broad scope of agriculture-related industries. Curriculum includes the study of leadership skills, record keeping skills, public speaking, history of the organization, and the introduction of all upper level courses offers.

Agricultural Power and Technology I (8221) Grades 10-12

2 Semesters – 1 Unit

Prerequisite: Agriscience I

Curriculum provides information about safety, operation, maintenance , and use of agricultural power, electronics, agricultural machinery and equipment, structures and utilities, soil and water management, and agricultural mechanics, including welding and cutting.

Animal Science I (8231)

Grades 10-12

2 Semesters – 1 Unit

Prerequisite: Agriscience I

Students learn information, knowledge, and skills associated with careers in animal production and animal science. The curriculum provides activities through the FFA to students interested in veterinary medicine, livestock production and nutrition, genetics, and laboratory techniques.

Family and Consumer Science

Family and Consumer Science I (8711)

Grades 9

2 Semesters – 1 Unit

This is a full-year course that includes emphasis in the areas of consumer education, child development, personal and family relationships, housing and home management, clothing and textiles, and career education. During this course the students will have the opportunity to have “hands on” experience in many areas such as cooking, sewing, and planning activities for children and home projects. FCCLA, the club for students in Family and Consumer Science I, is an integral part of the program.

Culinary Basic Skills(8426)

Grades 10,11,12

2 Semesters- 1 Unit

Students learn how to prepare food from a taste as well as an aesthetics standpoint. This introduction into the culinary arts is designed for students who would like to pursue a job as a chef or food designer.

Marketing Education

Noble Entrepreneurship (8616)

Grades 10,11,12

2 Semesters – 1 Unit

A course designed for the study of all aspects of starting a business. The course includes the basic fundamentals of marketing and business operations. Through Self-assessment activities, students will identify their potential for creating a business or marketable product/idea. Students will apply what they learn by developing their own business plan. Self-employment is presented as a viable career option. Students will be expected to join DECA.

Marketing Fundamentals (8602)

Grades 11,12

2 Semesters – 1 Unit

Marketing Education teaches the competencies required to secure and hold jobs as well as the basic understanding of marketing concepts and foundations. Topics of classroom instruction include human relations, math, communications, salesmanship, and leadership development activities. DECA, an association of marketing students, is an integral part of the program. It is recommended that each student who enrolls in this class also join DECA.

Introduction to Hospitality and Tourism (8448)

Grades 10,11,12

2 Semesters– 1 Unit

Students will explore and get a general overview of the hospitality management industry. All the functional areas of the travel and tourism industry will be covered during the course progression.

Business Management and Supervision (8606)

Grade 12

2 Semesters – 1 Unit

PREREQUISITE: Marketing Education

Business Management and Ownership teaches the basic knowledge necessary for supervisors and managers. Students study principles of personnel management, layout security, economics, and entrepreneurship. The course also focuses on legal aspects and issues facing prospective small business owners. Classroom instruction will be reinforced through the use of field trip experience and job shadowing. DECA is also an integral part of this program, and it is recommended that each student enrolled in the class join DECA.

STEM/Computer Offerings

Broadcast Production (8194)

Grades 9,10,11,12

2 Semesters— 1 Unit

Customer service, marketing, project management techniques and professionalism will be emphasized as students complete video-based projects for broadcast production. Students complete numerous projects that will be included in their portfolios as they acquire skills in advanced video editing and production.

Fundamentals of Technology (8169)

Grades 9,10

2 Semesters—1 Unit

This course provides students with fundamental concepts, principles, and ideas needed to understand how business is operated and managed in a rapidly changing technical environment. It provides job readiness and soft skills critical for success in any workplace setting.

Multimedia and Image Management Techniques (8150)

Grades 10,11,12

2 Semesters— 1 Unit

Students will acquire fundamental skills in image creation and management procedures and techniques as they create, revise, optimize, and export graphics for video, print, and web publishing.

Introduction to Engineering Design(8709)

Grades 9,10,11,12

2 Semesters— 1 Unit

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing product.

Principles of Engineering(8710)

Grades 9,10,11,12

2 Semesters—1 Unit

Students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car.

8833 Robotics Engineering (8833)

Grades 9,10,11,12

2 Semesters—1 Unit

Students will learn to design, build, program and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming and proper engineer documentation.

Computer Programming CAD– Solidworks (2511)

Grades 9,10,11,12

2 Semesters— 1 Unit

Solidworks is an industry recognized CAD program used extensively in the fabrication and engineering design process. Students will use Solidworks to assist our Fabrication lab students in the design of new and improved products.

CONTACT INFORMATION

If you have any questions pertaining to the course catalog or pre-enrollment, please feel free to contact the Noble High School counseling department at 405-872-3441.

