



Andrean High School

Freshman Course Descriptions

COURSE DESCRIPTIONS:***Freshman Elective Options**

Course Name	Course Description	Credits	Course Notes
<i>Business, Career & Technology</i>			
*Introduction to Business <i>(DC Business 101)</i>	In this course the students learn the basic knowledge and skills necessary to understand the business world. Through simulations, projects, and films together with lectures and discussions, the students learn about basic economics and social responsibility, credit, insurance, and other areas of business.	1	3 Dual Credit Hour course through Ivy Tech
Preparing for College and Careers	Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty- first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, exploring postsecondary options and making career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real world experiences is recommended.	1	State Req

*Introduction to Entrepreneurship	Introduction to Entrepreneurship provides an overview of what it means to be an Entrepreneur. The student will learn about starting and operating a business, marketing products and services, and how to find resources to help in the development of a new venture. This course is ideal for students interested in starting their own art gallery, salon, restaurant, etc.	1	Business Elective
*Introduction to Engineering Design	Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. Students begin with completing structured activities and move to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented.	1	Science Technology Elective
<i>English Language Arts</i>			
English 9	This course will introduce students to the reading, writing, and listening concepts fundamental to high school English. Basic rules of grammar, usage, and mechanics are reviewed, and vocabulary is learned. Readings will include a variety of genres and time periods, highlighted by an in-depth study of at least one play by Shakespeare. The course is designed to help students read with an understanding of an author's main idea with a focus toward technique, style, and inference.	2 (Full-year)	State Req

	Writing will include the essay process, and the completion of a well-documented step by step researched paper. Students will do a researched presentation.		
English 9 Honors	<p><i>*Admission is by score of 75th percentile or higher on the entrance exam and a grade of B or higher in eighth grade English or language arts class.</i> This course is open to incoming freshman who have demonstrated a marked proficiency in reading, writing, and active participation in class discussions. Readings will include a variety of genres and time periods, ranging from Shakespeare to Bronte. The course is designed to help students read with an understanding of an author's purpose, focused on technique, style, and inference. This course provides both independent study and class activities to enable students to analyze literature in greater depth than in the English 9 syllabus allows. Writing will include academic-style essays, poetry, fiction, and the completion of a well-documented, step-by-step research paper that is rooted in the content. Vocabulary and Grammar are covered every week, making sure that our students are well-rounded in their mastery of English Language Arts. Although all students have the option to take the English Advanced Placement exams their junior and senior years, the honors program offers specific preparation for this exam.</p>	2 (Full-year)	<p><u>To Qualify:</u> Entrance Exam Score > 195;</p> <p>or</p> <p>Report Card Grades;</p> <p>or</p> <p>Family Requests and Guidance Conversation</p>
<i>Fine Arts</i>			
*Theatre Arts	An introductory course designed to show the students all aspects of theatre from behind the scenes, to on the stage. Students enrolled in Theatre Arts read and analyze plays, create costumes and props, conceive scenic designs, and develop acting and improv skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally,	1	Fine Art Elective

	students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community. No necessary materials besides a notebook with a pocket/folder.		
*Two-Dimensional Art	Students taking 2-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production, and lead to the creation of portfolio quality works. This class focuses on glass as the medium, but also includes drawing of preliminary sketches for original designs to be executed in glass. The history of glass and technical vocabulary terms relating to the discipline and to 2-Dimensional design are covered in this class.	1	Fine Art Elective
*Ceramics I	Students create quality works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. Additionally, students do research and make presentations about ceramic art. The history of ceramics and technical vocabulary terms relating to the discipline are covered in this class.	1	Fine Art Elective
*Beginning Chorus	Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the 73 composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.	1	Fine Art Elective

*Beginning Concert Band	Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.	1	Fine Art Elective
Health			
Health and Wellness	High school health education provides an opportunity for students to develop skills for daily living which helps them prepare for the future. Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease.	1	State Req
Physical Education			
Physical Education I	<p>*Physical Required</p> <p>Physical Education I places emphasis on health-related fitness and developing the skills and habits necessary for a lifetime of activity. This program includes skill development and</p>	1	State Req

	the application of rules and strategies of a variety of different sports.		
Mathematics			
Algebra I	This course includes (1) properties of real numbers, (2) solving linear and quadratic equations, (3) solving linear inequalities, (4) solving verbal problems, (5) operations with polynomials, (6) graphing relations and functions, and (7) operations with rational expressions.	2 (Full-Year)	State Req
Algebra I Honors	*Placement Committee. Honors Algebra I provides a formal development of the algebraic skills and concepts necessary for students who will take other advanced college-preparatory courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include (1) properties of real numbers, (2) solving linear equations, (3) basic operations with polynomials, (4) solving quadratic equations and systems, (5) properties of exponents, and (6) introductory topics from statistics and probability.	2 (Full-Year)	<u>To Qualify:</u> Entrance Exam Score > 133; or Report Card Grades; or Family Requests and Guidance Conversation
Algebra II and Trig Honors	*Freshmen: Placement committee. Sophomores/ Juniors: C or better in Honors Algebra I. Honors Algebra II is a course that expands on the topics of Honors Algebra I and provides further development of the concept of a function. Topics include right triangle trig Law of Sines /Law of Cosines, algebraic proofs, matrices, exponential and logarithmic functions, rational functions, radical functions, complex numbers, conic sections, circular trig functions, and sinusoidal graphs.	2 (Full-Year)	<u>To Qualify:</u> Entrance Exam Score > 170; or Report Card Grades; or Family Requests and Guidance Conversation
Science			

Biology	Biology is the study of all life on Earth from the simplest organisms to the most complex. The course explores cells as the basic units of life by analyzing their chemistry, structure, and reproduction. In addition, students learn about matter and energy transfer, interdependencies and interactions with the environment, genetics and heredity, and change in populations over time. This course offers students the opportunity to develop critical thinking skills through the scientific method and also incorporates essential laboratory techniques and field investigations.	2 (Full-Year)	State Req
Biology Honors	*Placement Committee. Honors Biology provides an in-depth study of the structures of living organisms and their functions through the use of lecture and laboratory investigation. Students discuss all topics covered in Biology I – cellular structure and chemistry, energy transfer, molecular basis of heredity, genetics, cellular reproduction, evolution, and interdependence – in addition to more advanced topics such as animal physiology, disease, and emerging biotechnologies. Honors Biology emphasizes independent study techniques and the development of critical thinking skills.	2 (Full-Year)	<u>To Qualify:</u> Entrance Exam C.Score > 80; or Report Card Grades; or Family Requests and Guidance Conversation
Theology			
The Revelation of Jesus Christ in Scripture	The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and become familiar with the major sections of the Bible and the book included in each section. The students will pay particular	1	Freshman Theology First Semester

	attention to the Gospels, where they may grow to know and love Jesus Christ more personally.		
Who is Jesus Christ	The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.	1	Freshman Theology Second Semester
<i>World Languages</i>			
French I	The Level 1 French course provides an introduction to the language by stressing pronunciation, basic grammar, and listening comprehension. Students also will have an opportunity to learn about the cultures of other French-speaking countries.	2 (Full-Year)	Student Choice, non-essential elective until Sophomore year
Latin I	<p>Latin I, a course based on Indiana's Academic Standards for World Languages introduces students to effective strategies for beginning Latin language learning, and to various aspects of classical Roman culture. This course emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Though interpersonal communication is not an explicit emphasis of this course, opportunities may be provided for students to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. Additionally,</p> <p>students will examine the practices, products and perspectives of classical Roman culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal</p>	2 (Full-Year)	Student Choice, non-essential elective until Sophomore year

	<p>communication. This course further emphasizes making connections across content areas and the application of understanding</p> <p>Latin language and culture outside of the classroom.</p>		
Spanish I	<p>The emphasis in Spanish I is on phonology, basic grammar as well as: listening, reading, writing and speaking. Students will learn about the different cultures which use the language.</p>	<p>2</p> <p>(Full-Year)</p>	<p>Student Choice, non-essential elective until Sophomore year</p>