FINE ARTS DEPARTMENT

4000 INTRODUCTION TO TWO-DIMENSIONAL ART

Grades 9-12  One Semester  1 Credit

This course introduces students to the world of visual problem solving. Using the basic art elements of line, color, texture, shape and space, and a variety of media, the student explores a variety of assignments. The class consists of two-dimensional assignments with an introduction to 3-D projects. In addition to studio work, the student is introduced to art history, art criticism, and aesthetics. There is no prerequisite as this class is the beginning level of art education and a pre-requisite for future art courses. Students are encouraged to work hard on improving their skills and creativity.

4004 ADVANCED TWO-DIMENSIONAL ART

Pre-requisite: Introduction to Two-Dimensional Art

Students in Advanced Two-Dimensional Art build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompasses art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Additionally, students create works of art, reflect upon the outcomes of those experiences, explore historical connections, write about the process, make presentations, work individually and in groups, find a direct correlation to other disciplines/careers, and explore career options in visual art. Students also utilize art museums, galleries, the internet, and community resources in their studies. This course is the logical progression after Introduction to Two-Dimensional Art.

4002 INTRODUCTION TO THREE-DIMENSIONAL ART

Grades 10-12  One Semester  1 Credit

This course builds on the fine art techniques and concepts introduced in Introduction to Two-Dimensional Art. Analysis of works is more student driven, both verbal and written. Students search for meaning in their work from both a current events and historical view. Students express their views using the mediums of the fine arts: drawing, sculpting, collage, and mixed media. The main emphasis of this class is to create artworks in a 3-D format. A variety of materials such as clay, cardboard, wire, paper mache, wood, and metal are used.

4006 ADVANCED THREE-DIMENSIONAL ART

Pre-requisite: Intro to Three-Dimensional Art

Advanced Three-Dimensional Art expands upon the fine art techniques and concepts introduced in our Introduction to 2-D and 3-D classes. Students will encompass art history, art criticism, and aesthetics into their artwork, with an emphasis on portfolio production in a 3D format. Additionally, students will research and examine the social, political, and historical aspects of sculpture in society. A variety of materials such as clay, fiber, soapstone, metal, paper Mache and wood are utilized.
**Key**

† Mater Dei Graduation Requirement  ☀ Elective  ♦ Core 40 Required  □ Academic Honors Required  └ NCAA Approved

### 4046 FIBER ARTS

Grades 10-12  One Semester  1 Credit

Students in *Fiber Arts* engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create fiber art works utilizing processes such as a loom and off-loom construction, dyeing, coiling, and stitchery. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

### 4146 DANCE PERFORMANCE

Grades 9-12  One Semester  1 Credit

*Members of Color Guard and Winter Guard*

*Dance Performance* is sequential and systematic learning experiences are provided in the specific genre offered. Activities utilize a wide variety of materials and experiences and are designed to develop techniques appropriate within the genre, including individual and group instruction in performance repertoire and skills. Students develop the ability to express their thoughts, perceptions, feelings, and images through movement. The performance class provides opportunities for students to experience degrees of physical prowess, technique, flexibility, and the study of dance performance as an artistic discipline and as a form of artistic communication. Students describe, analyze, interpret, and judge live and recorded dance performances or professional dancers and companies in the genre.

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**BUSINESS AND TECHNOLOGY DEPARTMENT**

### 4518 INTRODUCTION TO BUSINESS

Grades 9-10  One Semester  1 Credit

*Previously Business Foundations*

*Introduction to Business* provides a framework for future business courses. It has been divided into two semesters— with a different focus each semester. This course acquaints students with the business and government aspects of running a business. Specific topics include: communications, technology, management, marketing, entrepreneurship and business careers. The application and importance of business etiquette and ethics will be introduced. Students will be involved in researching and presenting various topics. Opportunities may be provided for the student to participate in job shadowing, job mentoring, and other field experiences. Instructional strategies include computer and technology applications, simulations, projects, teacher demonstrations, and cooperative ventures between the school and community.

### 4540 PERSONAL FINANCIAL RESPONSIBILITY

Grade 9  One Semester  1 Credit

*Required of all Mater Dei Freshmen*

*Personal Financial Responsibility* addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt.
PREPARING FOR COLLEGE AND CAREERS

Grade 9 | One Semester | 1 Credit

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 or 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. Activities may include making four-year plans, reviewing graduation plans, developing career goals, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences.

DIGITAL APPLICATIONS & RESPONSIBILITY

Grade 9-10 | One Semester | 1 Credit

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communication software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with opportunity to seek industry-recognized digital literacy certifications.

BUSINESS LAW & ETHICS

Previously Business and Personal Law

Grades 11-12 | Two Semester | 2 Credit

Business Law & Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses.

SPORTS & ENTERTAINMENT MARKETING

Grades 11-12 | Two Semester | 2 Credit

Pre-requisites: Marketing

Sports & Entertainment Marketing is a specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution system and strategies; pricing considerations; product/service management; and promotion. Students acquire an understanding and appreciation for planning. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical thinking skills.

ENTREPRENEURSHIP & NEW ADVENTURES

Grades 11-12 | Two Semester | 2 Credit

Entrepreneurship & New Adventures introduces entrepreneurship, and develop skills and tools critical for starting and succeeding in a new adventure. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored through mini case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software.
5914  PRINCIPLES OF MARKETING  Grades 10-12  Two Semester  2 Credits
Principles of Marketing provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management.

4508  TECHNICAL/BUSINESS COMMUNICATIONS  Grades 11-12  Two Semester  2 Credits
Technical/Business Communications provides students with the communication and problem-solving skills to function effectively in the workplace. Areas of study include written/oral/visual communication, listening, informational reading, Internet research/analysis, and electronic communication. Concepts addressed will include adapting communication to the situation, purpose, and audience. Students produce documents related to employee handbooks, instructional manuals, employment communication, organizational communication, business reports, and social/professional situations using word processing, presentations, multimedia, and desktop publishing software.

 Academy Business Education—MD (ABE—MD) Certificate
(Complete 6 of the following courses/credits within the four years of high school)

9  Personal Financial Responsibility and Preparing for College & Careers
   Both required by Mater Dei High School freshmen year

10  Digital Applications & Responsibilities, Introduction to Business and Principles of Marketing

11/12  Entrepreneurship & New Adventures, Business Law & Ethics, Sports & Entertainment Marketing, Tech Business Communications

12  *Global Economics or *AP Macro-Economics & Senior Project (BTAC class)
   *Counts as one of the six required Required Social Studies credits
ENGLISH DEPARTMENT

All students at Mater Dei must have eight semesters of English to graduate. Electives may not replace required subjects. Advanced Placement classes are open only to students who have passed a careful screening procedure.

1002  ENGLISH 9  Grade 9  Two Semesters  2 Credits
◆  ★  ♤  *Required of all Mater Dei Freshmen

Through a study of literature and composition, English 9 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students practice identifying, analyzing, and composing with different elements, structures, and genres of written language. Literature instruction focuses on opportunities to:

- read and comprehend a broad variety of literature applying appropriate reading strategies to enhance reading skills and literary appreciation which includes the ability to: (1) identify and analyze the elements of story structure, (2) utilize literature and expository material related to the world of work and technical documents, (3) identify literature by genre, (4) identify the author’s purpose and perspective, (5) recognize bias and propaganda, and (6) identify and analyze elements of drama; and
- develop vocabulary through: (1) decoding, (2) the use of Greek and Latin roots, (3) literary terms and the use of glossaries, (4) contextual clues, and (5) independent reading.

The Composition component of language arts provides students with opportunities to write for various audiences and purposes. Students identify and employ various elements of good writing in well-organized, descriptive, expository and narrative writings. These elements include (1) having a hierarchy of ideas such as thesis, supporting points, and specific examples; (2) the understanding of the paragraph as a formal structure, with a topic sentence, and (3) the understanding that writing is an organized message from an author to a specific, identified audience. Students will receive instruction and practice in the writing process, including (1) prewriting, (2) drafting, (3) revising; and (4) editing, which includes attending to proper spelling, grammar, punctuation and style. Students will create multiple styles of writing, including persuasive essays, literary analysis, and technical writing assignments.

1004  ENGLISH 10  Grade 10  Two Semesters  2 Credits
◆  ★  ♤  *Required of all Mater Dei Sophomores

English 10 builds on the skills and activities of English 9, adds emphasis on literature, and focuses on reading comprehensions and writing strategies. The Literature element of the class focuses on:

- responding critically, reflectively and imaginatively to American Literature, and recognizing the relevance of this literature to the modern world;
- practice distinguishing among different types of contents and purposes language can hold, including logic, opinion, ideology, point-of-view and suggestion. Students will practice using language for different, sophisticated purposes, including:
  - (1) identify and forming conclusions; (2) recognizing and using persuasive techniques; (3) judging authors’ purpose, perspective, and expertise; and (4) reading and interpreting public documents, instructions, and symbols; and develop vocabulary through: (1) decoding, (2) the use of Greek and Latin roots, (3) literary terms and the use of glossaries, (4) contextual clues, and (5) independent reading.

In addition, students should be responsible for taking personal time for both instructional and recreational reading.

The Composition part of this class provides students the opportunity to write for various audiences and purposes. Students identify and use various elements of good writing, including: (1) stating and supporting a point of view or opinion, (2) using transitions effectively, (3) writing persuasive essays and literary analysis, and (4) completing technical writing assignments. The formal study of grammar, usage, spelling and language mechanics is integrated into the study of writing.
English 11 continues to develop reading and writing skills that have been introduced in English 9 and built upon in English 10. The focus of literature is on American Literature and linking the literature to its historical and social context.

The Literature element of the class focuses on opportunities to:

- examine a survey of American Literature from pre-Revolutionary times to the present, and discern how that literature reflects the American culture.
- understand a variety of literary genres, such as drama, poetry, and prose, their similarities and differences.
- appreciate quality works of various ethnic and cultural minorities, such as African-American, Latino, and Middle Eastern authors and how their works reflect their American experience.
- develop vocabulary through decoding, contextual clues, literary terms and independent reading.

The Composition element of the class focuses on the opportunity to master skills in grammar, usage, and language mechanics through writing. The writing process (prewriting, drafting, revising, and editing) will be emphasized as students work to complete and persuasive essays, technical as well as creative writing.

English 12 continues to refine students’ ability and desire to learn and communicate about language and literature. Students will read works of world literature to identify and communicate about broad theses, trends and cultural issues. The Literature element of this course focuses on opportunities to:

- apply appropriate reading skills and strategies to make and defend judgments about written quality and content of literary works and other writings;
- respond critically, reflectively, and imaginatively to the literature of outstanding world writers; become acquainted with cultures of other countries; study themes that relate to humankind and outstanding world writers; and analyze literature as it reflects a divergent point of view in all literary periods; and
- develop vocabulary through (1) decoding, (2) the use of Greek and Latin roots, (3) literary terms, (4) contextual clues, and (5) independent reading.

The Composition part of English 12 continues to provide students opportunities to hone their writing, especially in regards to (1) clearly identifying an audience, (2) articulating a purpose and thesis, (3) structuring writing to fulfill its stated purpose and support its thesis. Students will master their skills in grammar, usage, spelling, language mechanics and the stages of the writing process (prewriting, drafting, revising, editing and publishing).

Advanced Placement/College Achievement Program English Language and Composition may be taken by juniors instead of English 11; however, candidates for this course are carefully screened. Students are selected on the basis of past performance in English classes, standardized test scores, teacher recommendations, and performance on an AP exam writing prompt. This course is approved by the College Board and requires both formal and informal expository, analytical, and argumentative writing and speaking assignments. This class includes extensive vocabulary study and prepares students for the College Board AP English Language and Composition exam and the PSAT/SAT. The class may be taken for dual credit at the University of Southern Indiana and the readings are almost exclusively nonfiction.
Advanced Placement/College Achievement Program English Literature and Composition is designed for senior students who want to read imaginative literature more carefully and deliberately, understand the various elements of this literature more deeply and analytically, and, as a result, write more clearly and critically using a variety of purposes. Students are selected on the basis of past performance in English classes, standardized test scores, teacher recommendations, and—for students applying without having taken the junior level AP class—performance on an AP exam writing prompt. This two semester college level class is designed to:

1. Develop critical and analytical reading skills.
2. Enhance understanding of the various elements of fiction, poetry, drama, and essays.
3. Enhance creative and expository skills.
4. Provide instruction and practice in writing and documenting a literary research paper.
5. Enhance vocabulary skills.
6. Prepare for the May Advanced Placement examination.

Students will also consider a work's structure, style, and themes, as well as the use of figurative language, imagery, symbolism, and tone and knowledge to enhance their own creative and expository skills.

AP English Literature and Composition includes an intensive study of representative works of literature from various genres and periods. The reading will be accompanied by thoughtful discussion and writing.

Students will be given the opportunity to take the College Board Advanced Placement Test in English Literature and Composition. The test is optional; however, passing the test can earn the student college credits. A fee is charged for the test.

Novels, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors. Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction, and others. Students analyze novels by various important authors from the past and present or sets of novels from a specific era or across several eras. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

Advanced Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports in addition to other appropriate writing tasks. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Grades</th>
<th>Time Commitment</th>
<th>Credits</th>
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<tbody>
<tr>
<td>103</td>
<td>FILM LITERATURE</td>
<td>11-12</td>
<td>One Semester</td>
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<td><strong>Film Lit</strong> is a study of how literature is adapted for film or media. Students read about the history of film, the reflection or influence of film on culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and limitations or special capacities of film versus text to present a literary work. Students analyze how films portray the human condition and the roles men and women and the various ethnic or cultural minorities in the past and present.**</td>
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<td>1080</td>
<td>JOURNALISM</td>
<td>9-10</td>
<td>Two Semesters</td>
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<td><strong>Journalism</strong></td>
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<td><em>Journalism</em> is the study of the art of reporting and profession of journalists. This course includes the process involved in (1) news gathering, (2) reporting and writing news stories, (3) the legal and social responsibilities involved in newspaper publications, and (4) the ethics of accurate and fair reporting. This course includes extensive reading of models of excellent journalistic techniques and evaluates and analyzes journalistic writing through discussions and critiques. This course is designed for Journalism students to have hands-on experience in producing the school news magazine and school yearbook. After successful completion of <em>Journalism</em>, students can enroll in <em>Student Publications</em>. These courses can be taken for successive credits.*</td>
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<td>1086</td>
<td>STUDENT PUBLICATIONS</td>
<td>10-12</td>
<td>Two Semesters</td>
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<td><strong>Pre-requisite:</strong> Journalism</td>
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<td><em>Course can be taken for successive credits with teacher approval and signature</em></td>
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<td>In this course, students learn the principles of graphic design and production, which are then applied to their own student-produced school yearbook and school news magazine. Students write copy and headlines, design all pages, take photographs, and handle all advertising and publication sales. A photography class is offered within the course. Students learn the principles of black and white and color photography and digital techniques. Students will make contributions to all types of publications related to Mater Dei High School.**</td>
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<td>5986</td>
<td>RADIO AND TELEVISION</td>
<td>11-12</td>
<td>Two Semesters</td>
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<td><strong>Radio and Television I</strong></td>
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<td><em>Radio and Television I focuses on communication, media and production. Emphasis is placed on career opportunities, production, programming, promotion, sales, performance, and equipment operation. Students will also study the history of communication systems as well as communication ethics and law. Students will develop oral and written communication skills, acquire software and equipment operating abilities, and integrate teamwork skills. Instructional strategies may include a hands-on school-based enterprise, real and/or simulated occupational experiences, job shadowing, field trips, and internships.</em></td>
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MATHEMATICS DEPARTMENT

Mater Dei students are required to complete six credits of math courses during high school beginning with the Class of 2010. Each student will be expected to access MATHXLforschool.com for homework and other class activities. Each student is required to have a graphing calculator; the TI 83 or TI 84.

2510  ALGEBRA I LAB  Grade 9  Two Semesters  2 Elective Credits

Previously Algebra Enrichment
A student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

Algebra I Lab is a support course for Algebra I. The course provides the student with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas of Algebra Enrichment align with the critical areas of Algebra I: Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. Algebra Enrichment combines standards from high school courses with the foundational standards from the middle grades.

2520  ALGEBRA I  Grade 9  Two Semesters  2 Credits

Algebra I provides a formal development of the algebraic skills and concepts necessary for students who will take other advanced college-preparatory courses in math and science. 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) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, (6) quadratic, cubic, and radical equations, and (7) mathematical reasoning and problem solving.

2532  GEOMETRY  Grades 9-12  Two Semesters  2 Credits

Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of: angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, circles, tessellations and transformations, and symmetries. An understanding of proof and logic is developed.

2522  ALGEBRA II  Grades 10-12  Two Semesters  2 Credits

Pre-requisite: Geometry or doubling up Algebra II & Geometry.
To double up, students need a grade of B+ or better in Algebra I.

Algebra II is a course which expands on the topics of Algebra I and provides further development of the concept of a function. The expanded topics of this course include: (1) the theorems and algorithms of algebra; (2) polynomials and polynomial functions; (3) rational exponents; (4) the complex numbers, sequences, and series; (5) the properties and graphs of conic sections; (6) permutations, combinations, probability; (7) matrices; and (8) exponential and logarithmic functions.
2514 CCR BRIDGE: MATH READY  Grade 12  Two Semesters  Two Credits

CCR Bridge: Math Ready will include and reinforce the Algebra I, Geometry, Algebra II and Statistics skills necessary to be ready for an entry-level college math course. This course emphasizes understanding math concepts rather than just memorizing procedures. Math Ready students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips them with higher-order thinking skills in order to apply math skills, functions and concepts in different situations. The course is intended for students who currently have achieved the minimum math requirements for college entry. The content of this course is designed to enhance students’ math skills so that they are ready for college-level math assignments. It is not designed to prepare students for college-level math in STEM majors.

2564 PRE-CALCULUS/ TRIGONOMETRY  Grades 11-12  Two Semesters  2 Credits

Pre-Calculus blends together all of the concepts and skills that must be mastered prior to enrollment in a college-level calculus course. Topics include the following: relations and functions; logarithmic and exponential functions; trigonometry in triangles; trigonometric functions, identities, and equations; polar coordinates and complex numbers; sequences and series; data analysis; math reasoning and problem solving. The TI graphing calculator is used extensively in this class.

2562 AP CALCULUS  Grade 12  Two Semesters  2 Credits

AP Calculus is an advanced math class generally including topics such as (1) limits, (2) continuity, (3) derivatives, (4) definite integrals, and (5) techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. This course also includes applications of the derivative, the integral, and theory of calculus.

3084 AP STATISTICS  Grade 12  Two Semester  2 Credit

This course develops appreciation for, and skill in, applying statistical techniques in the decision-making process. Topics may include: (1) methods of data collection, (2) organization of data, and (3) graphical techniques for exhibiting data together with measure of central tendency and variation. Basic laws of probability, sampling theory, hypothesis testing, and making inferences from samples are also included. Practical examples based on real experimental data are used throughout. Students will plan and conduct research and analyze the resulting data.

4570 AP COMPUTER SCIENCE A  Grade 12  Two Semester  2 Credit

AP Computer Science A introduces students to computer science through programming. Fundamental topics include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. AP Computer Science A is equivalent to a first-semester, college-level course in computer science.
**4568 AP COMPUTER SCIENCE PRINCIPLES** Grade 10-12 Two Semester 2 Credit  
Elective  Core 40 Required  Academic Honors Required  NCAA Approved  

Pre-requisite: Passing grade in Algebra II

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

**MUSIC DEPARTMENT**

**4160 MARCHING BAND** Grades 9-12 Two Semesters 2 Credits  
Elective  FLEX PE credit  Course may be taken for successive credits

Students in band are provided with a balanced comprehensive study of music. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into all areas of academic life. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) music reading skills, (5) listening skills, (6) analyzing music, and (7) studying historically significant styles of literature. Experiences include, but are not limited to, improvising, conducting, playing by ear, and sight-reading. Students are given opportunities to develop the ability to understand and convey the composer’s intent in order to connect the performer with the audience. Time outside the school day may be scheduled for dress rehearsals and performances. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

**4182 BEGINNING CHORUS** Grades 9-12 Two Semesters 2 Credits  
Elective  Course may be taken for successive credits with teacher approval and signature

Students in Concert Choir develop musicianship and specific performance skills through ensemble and solo singing. Activities in this class create the development of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed so that students are able to connect, examine, imagine, define, try, extend, refine, and integrate music study into all areas of academic life. Chorus classes provide instruction in creating, performing, conducting, listen to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer’s intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. Students must participate in performance opportunities outside of the school day that support and extend learning in the classroom.

**4188 ADVANCED CHORUS** Grades 10-12 Two Semester 2 Credits  
Elective  Course may be taken for successive credits with teacher approval and signature

Advanced Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Advanced 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 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.

**4206-01 MUSIC HISTORY & APPRECIATION I**  
**Grades 10-12**  
**One Semester**  
**1 Credit**

Students taking this course receive instruction designed to explore music and major musical style periods through understanding music in relation to both Western and Non-Western history and culture. Activities include but are not limited to: (1) listening to, analyzing, and describing music; (2) evaluating music and music performances; and (3) understanding relationships between music and the other arts, as well as disciplines outside of the arts. Time outside of the school day may be scheduled for attending musical performances. Students are required to participate in performance opportunities outside of the school day to support and extend learning in the classroom.

**4206-02 MUSIC HISTORY & APPRECIATION II**  
**Grades 10-12**  
**One Semester**  
**1 Credit**

Students taking this course receive instruction designed to explore music and major musical style periods through understanding music in relation to both Western and Non-Western history and culture. Activities include but are not limited to: (1) listening to, analyzing, and describing music; (2) evaluating music and music performances; and (3) understanding relationships between music and the other arts, as well as disciplines outside of the arts. Time outside of the school day may be scheduled for attending musical performances. Students are required to participate in performance opportunities outside of the school day to support and extend learning in the classroom.

**4208 MUSIC THEORY AND COMPOSITION, ADVANCED PLACEMENT**  
**Grades 10-12**  
**One Semester**  
**1 Credit**

*Music Theory and Composition* develops skills in the analysis of music and theoretical concepts. They develop ear training and dictation skills, compose works that illustrate mastered concepts, understand harmonic structures and analysis, understand modes and scales, study a wide variety of musical styles, study traditional and nontraditional music notation and sound sources as tools for musical composition, and receive detailed instruction in other basic elements of music.

**4250 ADVANCED ACTING I & II**  
**Grades 10-12**  
**One Semester**  
**1 Credit**

Advanced Acting is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theatre history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theatre by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their community.

**PHYSICAL EDUCATION & HEALTH EDUCATION DEPARTMENT**

**3542 PHYSICAL EDUCATION I**  
**Grade 9-10**  
**One Semester**  
**1 Credit**

*Required of all Mater Dei Freshmen*  
*Flex credit meets state requirement*

*Physical Education I* emphasizes health-related fitness and developing the skills and habits necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: (1) health-related fitness activities, (2) aerobic
exercise, (3) team sports, (4) individual sports, (5) outdoor pursuits, (6) dance, and (7) recreational games. Ongoing assessment will include both written and performance-based evaluations.

**3544 PHYSICAL EDUCATION II**  
Grade 9-10  
One Semester  
1 Credit  
Required of all Mater Dei Freshmen  
*Flex credit meets state requirement*

*Physical Education II* continues the emphasis on personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression and social interaction. This class provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase their knowledge of fitness concepts. It includes at least three different movement forms without repeating those offered in PE I. Movement forms may include: (1) health-related fitness activities, (2) aerobic exercise, (3) team sports, (4) individual sports, (5) outdoor pursuits, (6) dance, and (7) recreational games. Ongoing assessment will include both written and performance-based evaluations.

**3542/3544 PHYSICAL EDUCATION FLEX CREDIT**  
Grade 9, 10  
1 Activity  
1 Credit  
*Completed by end of Sophomore Year*

The goal of a physically educated student is to maintain appropriate levels of cardio-vascular endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy productive life. Through a rigorous school-sponsored extra-curricular activity or Marching Band, student-participants practice skills that demonstrate: competency in motor skills and movement patterns; understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activity; regular participation in a physical activity to achieve and maintain a health-enhancing level of physical fitness; responsible personal and social behavior that respects self and others in physical activity settings; value for physical activity for health, enjoyment, challenge, self-expression, and/or social interaction; and physical activity as critical to the development and maintenance of good health.

Physical activity includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Priority areas include: promoting personal health and wellness, physical activity, healthy eating, promoting safety and injury prevention, supporting mental and emotional health, establishing a tobacco-free, alcohol-free, and other drug-free lifestyle.

A student can fulfill the state requirement for Physical Education with Flex Credit for two (2) school sponsored activities or Marching Band, OR one (1) semester of Flex Credit for one (1) activity and one (1) semester of course work. Scheduling for Physical Education Flex Credit must be approved through the Guidance Office. Ongoing assessment includes performance-based skill evaluation, daily attendance and student journal. A maximum of two credits can be earned provided that there is no course or skill level duplication. Must meet criteria of a school-sponsored extra-curricular activity (the role of team managers do not qualify for flex credit in physical education).

**3560 ELECTIVE PHYSICAL EDUCATION**  
Grade 10-12  
One Semester  
1 Credit  
*Pre-requisite: Physical Education I and II or Flex*  
*Elective Physical Education courses in weightlifting may be taken for a total of four (4) semesters, one each year. Only one (1) Physical Education course may be taken during a semester.*
Grades 10-12  **Lifetime Sports** includes the activities of Disc Golf, Handball, Tennis, Recreational Games, Archery and Bowling.

Grades 10-12  **Weight Lifting** incorporates machine and free weights, plyometrics, and core exercises to strengthen the body.

**3506  HEALTH AND WELLNESS**

Grade 10  One Semester  1 Credit

*Required of all Mater Dei Sophomores

*Health and Wellness* provides the basis for continued methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum, including (1) growth and development; (2) mental and emotional health; (3) community and environmental health; (4) nutrition; (5) family life; (6) consumer health; (7) personal health; (8) alcohol, tobacco and other drugs; (9) intentional and unintentional injury; and (10) health promotion and disease prevention.

**3500  ADVANCED HEALTH EDUCATION**

Grade 11-12  One Semester  1 Credit

*Advanced Health* provides advanced knowledge and skills to help students adopt and maintain healthy behaviors. Students practice the development of functional advanced health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course provides students with an in-depth study of promoting personal health and wellness, physical activity, healthy eating, promoting safety and preventing unintentional injury and violence, promoting mental and emotional health, a tobacco, alcohol, and other drug-free lifestyle, and promoting human development and family health. The scientific components of health and wellness, health issues and concerns, health risk appraisals, individual wellness plans, health promotion and health careers are expanded and explored.

**3508  CURRENT HEALTH ISSUES**

Grade 11-12  One Semester  1 Credit

*Current Health Issues*, an elective course focuses on specific health issues and/or emerging trends in health and wellness, but not limited to: personal health and wellness; non-communicable and communicable diseases; nutrition; mental and emotional health; tobacco-prevention; alcohol and other drug-prevention; human development and family health; health care and/or medical treatments; and national and/or international health issues. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.
THEOLOGY DEPARTMENT

All Freshmen, Sophomore, Junior, and Senior Theology classes conform to the Framework as outlined by the United States Conference of Catholic Bishops. All text material is in conformity with the Catechism of the Catholic Church.

0550 FRESHMEN THEOLOGY

Semester 1
Revelation and The Old Testament

Grade 9  One Semester  1 Credit
Required of all Mater Dei Freshmen

This course provides an opportunity for the students to view the work of God: Father, Son, and Spirit, in forming a People, the giving of the Law, and preparing humanity for the Messiah. This course gives the student a general knowledge and appreciation of Sacred Scripture. The student will also encounter Jesus Christ in the Scripture. Coursework will trace key stages of Salvation History and introduce vocabulary, doctrine, events, and people important to Catholic Church formation. These people will continue to be reintroduced throughout the four-year curriculum. The course is a study of both Old and New Testament.

0550 FRESHMEN THEOLOGY

Semester 2
Jesus Christ and The New Testament

Grade 9  One Semester  1 Credit
Required of all Mater Dei Freshmen

This course uncovers both his ministry and mission while presenting the Church’s teachings about God the Father, the Trinity, Mary, and the Holy Spirit. Discipleship is a focal point for the student. Discipleship is presented as a life of grace, holiness, and God’s kingdom. The student is encouraged to look at Discipleship as a goal and lifelong journey.

0551 SOPHOMORE THEOLOGY

Semester 1
The Paschal Mystery; Christ Mystery of Salvation

Grade 10  One Semester  1 Credit
Required of all Mater Dei Sophomores

This course presents the Paschal Mystery by opening the importance of Christ’s Cross and Resurrection as the center of the Good News. The text provides the student with the opportunity to seek God’s sacred and mysterious plan for humanity through viewing the spiritual journey from creation through the Life, Death, and Resurrection of Jesus. Students will explore the consequences and promises of Original Sin while looking at compassion and the loving care God continues to provide. Jesus is the source of our salvation. The saving actions of the Lord will be explored as the student continues their faith-filled spiritual journey of growth and development.
0551  SOPHOMORE THEOLOGY
The Sacraments: Encounters with Christ
† Semester 2

Grade 10 One Semester 1 Credit

This course presents the sacraments as the definitive way Jesus remains present to the Church and the world today. It expresses concrete ways for understanding the sacraments. The student will also look at the various rites associated with sacramental participation. *The Catechism of the Catholic Church* serves as the basis for developing each of the seven sacraments. The student will view the sacraments as a sign of grace, instituted by Christ, and entrusted to the Church by the work of the Holy Spirit. The sacraments are explored through four dimensions of sacrament: memorial, celebration, communion, and transformation. The student is given the opportunity to further their relationship with Christ and the Church through better understanding of sacraments.

0552  JUNIOR THEOLOGY
The Catholic Church
† Semester 1

Grade 11 One Semester 1 Credit

This course provides for the understanding of the interrelationships found within the historical perspective of the Catholic Church. The student will view the living Church as it is today while appreciating the history of the Church. Themes such as the People of God, the Church as Servant, and the Church as Sacrament are studied and represent Church practice and belief. Each theme has a historical component tracing the theme through major periods of Church history and providing insight as to how the Church expresses itself today.

0052  JUNIOR THEOLOGY
Journey, Wisdom and Mission
† Semester 2

Grade 11 One Semester 1 Credit

This semester is a faith-filled portrait of the two thousand years of Catholic history. This course has a focus on the events, people, trends, and teachings of the Catholic Church. The student will view the chronological look at Church history and the context of Church in a mystery that reveals the hidden presence of God. The chronology looks at the earliest roots of the Church from the original covenant made between God and Israel through the institution by Christ, and then onward in human history from the apostolic age to the present.

0553  SENIOR THEOLOGY
Vocations – Answering God’s Call
† Semester 1

Grade 12 One Semester 1 Credit

This high school vocations course gives the student the opportunity to look at two of the four lifestyle choices that impact deeply on the life of the Church. Marriage is the core lifestyle from which single life, religious life, and ordained ministry flow. The student receives information as it pertains to Church doctrine and guidelines on preparation, sacrament, and development of family life of the Sacrament of Marriage. Enhanced instruction regarding the Church’s teachings on sexuality and marriage, valid and licit marriage, and the validity of the Sacrament of Marriage is presented so that the student may recognize the overall importance of that decision upon both their personal life and sacramental life. Married Life, as vocation and sacrament, is integrated throughout ethics and morality during the first quarter too. Sanctity of Life, respect for life, prudent moral and ethical behavior, and the call to Christian lifestyle are issues fully integrated into the senior theology course which allows for Marriage to have a firm foundation in Catholic doctrine as supported by the *Catechism of the Catholic Church.*
0553  SENIOR THEOLOGY  
Christian Morality – Our Response to God’s Love

†  Grade 12  One Semester  1 Credit

Required of all Mater Dei Seniors

Senior theology focuses on the primary message of Christ’s moral teaching, the importance of love of God and love of neighbor, and presents ways to build strong Christian lifestyle. This course introduces the student to social concerns. There is a focus on moral and ethical issues, moral conscience development, good decision-making skills, and a series of frameworks for class discussions which focus on current issues, bioethical issues, political and religious issues, and daily living issues. Also included is a mini-course on the sacrament of Marriage. The student receives information as it pertains to Church doctrine and guidelines on preparation, sacrament, and development of family life of the Sacrament of Marriage. The student also receives enhanced instruction regarding the Church’s teachings on sexuality and marriage, valid and licit marriage, and the validity of the Sacrament of Marriage. Married Life, as vocation and sacrament, is integrated throughout ethics and morality. Sanctity of Life, respect for life, prudent moral and ethical behavior, and the call to Christian lifestyle are issues fully integrated into the senior theology course which allows for Marriage to have a firm foundation in Catholic doctrine as supported by the Catechism of the Catholic Church.

SCIENCE DEPARTMENT

3024  BIOLOGY, GENERAL  
Grades 9  Two Semesters  2 Credits

Biology I provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interactions with their environment. Students will explore the functions and processes of cells, tissues, organs and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems and the biosphere. Students will have opportunities to (1) gain an understanding of the history of the development of biological knowledge, (2) explore the uses of biology in various careers, and (3) cope with biological questions and problems related to personal needs and social issues. Upon completion of this course, the options for science courses are either Physics or Earth & Space Science.

3026  BIOLOGY, HONORS  
Grade 9  Two Semesters  2 Credits

This lab-based class is an accelerated version of the Biology I curriculum that will provide students with inquiry labs and internet-based learning of biological concepts. Data collected by students during labs will be analyzed and provide students an opportunity to be introduced to and learn molecular and cellular biology concepts. Students will design some experiments and will also be introduced to some AP level lab procedures. Freshmen students who wish to take Chemistry or Physics during 10th grade are required to successfully complete the full year of this course. Criteria to determine who will take this course will include grade school teacher evaluation along with reading and math levels.

The following Biology II courses are strongly suggested for students interested in going into any health career such as physical therapy, surgical tech, med tech, occupational therapy, dental hygiene, nursing, radiology, dentistry, optometry, or medicine. These courses may be taken after completing Biology I.
**3020 ADVANCED BIOLOGY (OR ADVANCED PLACEMENT BIOLOGY)**

Grades 11-12  Two Semesters  2 Credits

*Pre-requisite: A grade of “B” or above in Biology recommended and Biology teacher signature of approval*

The Advanced Biology (or Advanced Placement Biology) curriculum is based upon 2013 AP Biology revamped guidelines which provide most of the material for the two-semester course. Some topics that students will study include entomology, aquatic productivity, bio-molecules, cellular biology, diffusion and osmosis, photosynthesis, cellular respiration, animal behavior, mitosis and meiosis, genetics, evolution and plant physiology and structure. The course is designed to closely model an introductory course for freshmen biology majors in most colleges and universities. Students who wish to take the course as Advanced Placement, must declare prior to the deadline during the school year and then take the national AP Biology Exam during the first week of May. The State of Indiana has paid the national test fee in the past years for AP Biology.

**5276 ADVANCED SCIENCE, ANATOMY AND PHYSIOLOGY**

Grade 12  Fall Semester  1 Credit

*Pre-requisite: A grade of “B” or above in Biology I recommended with teacher signature of approval*

This class is designed to assist students with a strong interest in health careers or science in general. Students will study various animal systems while maintaining strong emphasis on human anatomy and physiology. Extensive dissections will be performed using sheep hearts and fetal pigs. Students will be evaluated by their performance during lab dissection, lab practicals, and written tests. Fee for specimens. **Students who wish to take the dual credit course (HS 105) through USI will need to take 5276 during fall semester and 3092 during the spring semester.**

**5276 ADVANCED SCIENCE, COMPARATIVE ANATOMY**

Grade 12  Spring Semester  1 Credit

*Pre-requisite: Successful completion of Anatomy and Physiology class; teacher recommendation*

This class is designed to allow students who have a keen interest in professional health care fields an opportunity to review systems learned and become familiar with additional animal systems not covered during Anatomy and Physiology. Students will study embryo serial cross sections while extensively using microscopes and will dissect calf eyes, lampreys, fetal pigs, and mammalian hearts. Health Care professionals will give presentations during the course. Fee for specimens. **Students who wish to take the dual credit course (HS 105) through USI will need to take 5276 during fall semester and 3092 during the spring semester.**

**3092 ADVANCED SCIENCE, ORGANIC CHEMISTRY**

Grade 11-12  Two Semesters  2 Credits

*Pre-requisite: A grade of “B” or above in Chemistry I and teacher approval*

This course is designed for students looking at programs in allied health, nursing, and science majors. It gives a broad introduction to many areas of chemistry that impacts our society. This course will be broken into three sections: general, organic, and biological chemistry. It requires a passing grade in Chemistry I and is assumed that the student can work algebraic problems. The objectives of the course are to build a general familiarity with general, organic, and biochemical chemistry; to learn how to think critically and analyze problems in chemistry as well as in other areas; to develop the ability to work effectively and safely in a laboratory or clinical environment.
**3044 EARTH & SPACE SCIENCE**  
Grades 9-11  
Two Semesters  
2 Credits  

*Earth and Space Science* provides a study of astronomy, rocks and minerals, plate tectonics and meteorology with the goal of furthering the general science education of students. This course examines the study of energy at work in forming the familiar geological structures (volcanoes, mountains, canyons, etc.) Emphasis will be given as well to current events and their impact on the Earth system. This class will allow students to expand their knowledge of Earth and its surrounding neighborhood.

**3084 PHYSICS**  
Grades 10-12  
Two Semesters  
2 Credits  

*Physics* addresses fundamental concepts and principles concerning matter and energy both in theory and through laboratory studies. The primary focus of the class is mechanics: motion and the forces that produce it. Additional topics covered include wave motion, heat, light, electricity, and magnetism. Students will also acquire an awareness of the history of physics, its role in the birth of technology, and its connection to everyday life. This course is intended to prepare students for success in college science curriculum.

**3064 CHEMISTRY I**  
Grades 10-12  
Two Semesters  
2 Credits  

*Pre-requisite: Students must have successfully taken Honors Biology freshmen year; and enrollment in Algebra II or higher math*

This full year course is needed by students who will attend a two or four year college and will prepare students interested in health careers, engineering, chemistry, or other sciences to understand a freshman chemistry class at the collegiate level. The course will allow students to study concepts of solubility, gas laws, pH, redox reactions, and perform labs that will help them understand the concepts. Students will spend time in a safe lab environment using various technologies to collect data while performing chemical reactions. Students will work in teams during labs and be required to write organized lab reports explaining the chemical concept being studied.

**3066 CHEMISTRY II (ADVANCED CHEMISTRY OR ADVANCED PLACEMENT CHEMISTRY)**  
Grades 11-12  
Two Semesters  
2 Credits  

*Pre-requisite: A grade of “B” or above in Chemistry*

This course may be taken either as Advanced Chemistry or AP Chemistry and is aligned as a dual credit course through the University of Southern Indiana (Chem 107). Those students taking the course as AP must declare prior to the deadline early in the school year and take the national AP Chemistry exam during the first week in May. Students enrolled in this course for AP credit will be required to take Chem II Lab both semesters, only the second semester Chem II Lab will earn a one (1) semester credit.

Dual credit for this course requires enrollment as a full year student. Dual credit hours can only be used for non-science majors at the college level (4 credit hours with lab).

*Chemistry II* provides for extended laboratory investigations of chemical reactions of inorganic materials. This course stresses problem solving of physical and theoretical models of matter and its interactions. Topics not covered in Chemistry I but covered in Chemistry II include: organic chemistry nomenclature, electrochemistry, thermodynamics, solution equilibrium, chemical kinetics, energy and nuclear chemistry.
3086  HONORS PHYSICS  

*Elective*  
Core 40 Required  
Academic Honors Required  
NCAA Approved  

Grades 11-12  
Two Semesters  
2 Credits  

**Dual College Credit Course**  

*Pre-requisites: Enrolled in Pre-Calculus or above, grades of B+ or better in all previous math and science courses.*  

*Honors Physics* is a deeper and somewhat accelerated physics for students with very strong math skills. Students in this class will obtain a deeper understanding of same concepts covered in Physics. In addition to those topics, the course includes an introduction to modern physics (relativity, nuclear physics). Students will explore these phenomena in the lab and in literature, and delve into the social and political implications of physical principles. This course in intended to prepare students college physics and/or engineering courses. *Dual credit hours can only be used for non-science majors at the college level.*

5092  SPECIAL TOPICS – FORENSIC SCIENCE  

Grade 12  
Two Semesters  
2 Credits  

*Pre-requisite: Chemistry I, C or above*  

**Special Topics - Forensic Science** focuses on the collection, identification, and analysis of evidence at a crime scene. The course will integrate biology, physics, earth science, mathematics, and writing skills by using real-life applications, labs, current events, and case studies. Guest speakers from within the crime scene investigative/law enforcement community will also be included. Topics covered include DNA, blood and blood spatter, hair analysis, trace evidence among others.

SOCIAL STUDIES DEPARTMENT

1542  U.S. HISTORY  

Grade 11  
Two Semesters  
2 Credits  

*Required of all Mater Dei Juniors*  

**Dual College Credit Course - USI**  

*United States History* emphasizes national development and builds upon concepts developed in previous studies of American history. Students in this course identify and review significant events, figures and movements in the early development of the nation, then gives major emphasis to the interaction of historical events and geographic, social and economic influences on national development. A chronological, topic and comparative approach may be used in developing themes from America’s past as they relate to life in Indiana and the United States today. Students will demonstrate the ability to trace and analyze chronological periods and examine the relationships of significant themes and concepts in United States history. Students will learn to sequence historical events, examine cause and effect, identify different perspectives, and elate historical situations to current issues.

Students will develop inquiry skills by gathering and organizing information from primary source material and a variety of historical and contemporary sources. Other topics will include the importance of cultural pluralism and diversity of opinion in American society. Students will learn to exercise their skills as citizens in a democratic society by engaging in problem solving and civic decisions making in the classroom, school and community setting.

1532  PSYCHOLOGY  

Grade 11-12  
One Semester  
1 Credit  

**Dual College Credit Course – Ivy Tech**  

*Psychology* provides students an opportunity to student individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. Content for the course includes some insights into behavior patterns and adjustments to social environments. The course will help students develop critical attitudes toward superficial generalizations about human beings, respect for the difficulty of establishing the truth of a proposition, and a heightened sensitivity to the feelings of others.
1546 **SPECIAL TOPICS – SOCIOLOGY**

**Grade 11-12**  One Semester  1 Credit

*Sociology* provides opportunities for students to study group behavior and basic human institutions. Broad areas of content include the study of institutions found in all societies and may involve: (1) the family, (2) religion, (3) community organizations, (4) political and social groups, and (5) leisure time organizations. Moral values, traditions, folkways, the mobility of people, and other factors in society which influence group behavior may also be included in the study of Sociology.

1540 **U.S. GOVERNMENT**

**Grade 12**  One Semester  1 Credit

This course helps students understand the nature and importance of responsible civic participation and for learning the rights and responsibilities of individuals in a constitutional democracy like the United States. U.S. Government enables students to explore the historic origins and evolution of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive and judicial branches of the national, state and local government are examined. Students will learn to draw conclusions about the relationships among history, geography and economics upon our system of government. Students will learn to gather data from primary and secondary resources and use current technology to access information. Students will have opportunities to take, defend and evaluate positions on current issues that impact political decision making and explore their ability to influence policies and decisions as individuals and in groups.

4558 **GLOBAL ECONOMICS**

**Grade 12**  One Semester  1 Credit

*Global Economics* provides students with a basic understanding of their role in the economy. In order to pursue their interests as consumers and producers in domestic and global economies, students will develop an awareness of economic concepts. This course will enable students to understand how the system operates while comprehending their role in the system. Students will deal with public policy, the effect of international economies, microeconomics, macroeconomics, and comparing economic systems, and certain economic measures. Instructional strategies may include development of a school-based enterprise, case studies, computer/technology applications, field trips, guest speakers, and job shadowing.

1564 **MACROECONOMICS, ADVANCED PLACEMENT**

**Grade 12**  One Semester  1 Credit

*Macroeconomics, Advanced Placement* is a course based on the content established by the College Board. The course places particular emphasis on the study of national income and price-level determinations, and also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Topics include: (1) Basic economic concepts, (2) measurement of economic growth, (3) national income and price determination, (4) economic growth, and (5) international finance, exchange rates, and balance of payments.

1548 **WORLD HISTORY AND CIVILIZATION**

**Grades 9-10**  Two Semesters  2 Credits

*World History* emphasizes events and developments in the past that greatly affected large numbers of people across broad areas of the earth and significantly influenced peoples and places in subsequent eras. Some key events and developments pertain to particular people and places, while others involve interactions and exchanges between
various people and places. The content of this course provides a basis for students to compare and analyze patterns of culture, emphasizing both the diversity and commonality of human experience and behavior. Students will practice skills and process of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, research, issues analysis, and decision making.

1612  WORLD HISTORY, MODERN ADVANCED PLACEMENT

Grade 10, 11  Two Semesters  2 Credits

World History, Advanced Placement is a course that provides students with the content established by the College Board. The course will have a chronological frame from the periods 8000 B.C.E. to the present. AP World History focuses on five overarching themes: Interaction between Humans and the Environment, Development and Interaction of Cultures, State-Building, Expansion and Conflict, Creation, Expansion and Interaction of Economic Systems, Development and Transformation of Social Structures. This course is recommended for sophomores and meets the Social Studies graduation requirement for World History and Civilization or Geography and History of the World.

1546  GEOGRAPHY AND THE HISTORY OF THE WORLD

Grades 9-10  Two Semesters  2 Credits

Students will develop and use the six elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms; Places and Regions; Physical Systems; Human Systems; Environment and Society; and the Use of Geography. Students will demonstrate an understanding of these elements of Geography in a context of World History.

1556  EUROPEAN HISTORY, ADVANCED PLACEMENT

Grades 11-12  Two Semesters  2 Credits

European History, Advanced Placement is a course based on content established by the College Board. Topics include: (1) intellectual and cultural history, (2) political and diplomatic history, and (3) goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

1518  INDIANA STUDIES

Grade 10  One Semester  1 Credit

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.
**THEATRE**

**4242  THEATRE ARTS I**
Grades 9-12  
One Semester  
1 Credit

*Theatre Arts I* is a course designed to give students an understanding of the role and history of theatre as a western art form, as well as a deeper understanding of specific theatrical art forms. Topics include the elements of theatre, critiquing a performance, and theatre history from its origin to present. A limited amount of time outside of the school day may be scheduled for theatre performances and rehearsals. Students must participate in performance opportunities outside of the school day to extend learning in the classroom.

**4250 ADVANCED ACTING I & II**
Grades 11-12  
One Semester  
1 Credit

*Pre-requisite Theatre Arts I*

Advanced Acting is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theatre history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theatre by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their community.

**WORLD LANGUAGES**

**2120  SPANISH I**
Grades 9-12  
Two semesters  
2 Credits

*Spa**nish Level I* introduces students to effective strategies for beginning language learning, and to various aspects of Spanish speaking culture. Students will have opportunities to:

- communicate through speaking and writing;
- understand and use appropriate greetings and forms of address;
- participate in brief guided conversations on familiar topics;
- write short passages with guidance;
- develop reading and listening comprehension skills.

Additionally, students will learn:

- to examine the practices, products and perspectives of the target language speaking culture;
- about basic routine practices of the target culture;
- how to recognize and use situation-appropriate non-verbal communication;
- to pray in Spanish.

This course further emphasizes making connections across content areas and the application of understanding foreign language and culture outside of the classroom.

**2122  SPANISH II**
Grades 10-12  
Two Semesters  
2 Credits

*Spanish Level II* builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages:

- interpersonal communication through speaking and writing;
- independent participation in brief conversations on familiar topics.
Additionally, students will become:

- familiar with how to write cohesive passages with greater independence and using appropriate formats;
- aware of how to develop reading and listening comprehension skills;
- able to describe the practices, products and perspectives of Spanish speaking culture;
- familiar with the basic family and social practices of the target culture; and describe contributions from the target culture.

Students will also learn to present prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. This course further emphasizes making connections across content areas and the application of understanding foreign language and culture outside of the classroom.

### 2124 SPANISH III

<table>
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<tr>
<th>Grades 11-12</th>
<th>Two Semesters</th>
<th>2 Credits</th>
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</thead>
</table>

**Pre-requisite:** Spanish I-II

*Spanish III* builds upon the skills of listening, speaking, reading and writing in the target language that were emphasized in Spanish I and II. This course will begin with a review of important grammatical structures and vocabulary, and continue to build upon these skills throughout the year. Spanish III encourages communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; solve problems encountered in daily situations; and provide cohesive information with greater detail. Students will be exposed to authentic materials including audio, visual and printed texts.

This course also helps students develop:

- reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions;
- presentation skills through the use of student-created material on a variety of topics, as well as reading aloud in the target language to practice appropriate pronunciation and intonation;
- understanding of Spanish-speaking culture through recognition of customs, celebrations and significant events in history;
- an appreciation for the target language and culture abroad and in the United States.

This course further emphasizes making connections across content areas, as well the application of understanding the target language and culture outside of the classroom.

### 2124 SPANISH III - HONORS

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<tr>
<th>Grade 11</th>
<th>Two Semesters</th>
<th>2 Credits</th>
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**Pre-requisite:** Spanish I, II

*Pre-AP Spanish III* covers all the topics that are taught in Spanish III, but at a level more geared towards the student who would like to take AP Spanish their senior year.

### 2132 SPANISH IV

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<tr>
<th>Grade 12</th>
<th>Two Semesters</th>
<th>2 Credits</th>
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**Pre-requisite:** Spanish I, II, III

*Spanish IV* is a course based on content established by the College Board, stressing the importance of the use of Spanish language for active communication. This course has as its objective the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and grammatical structures. Extensive practice in the organization and writing of compositions, listening to authentic material for comprehension purposes, and speaking in the target language are emphasized. Cultural content related to topics such as art, music, literature, customs and traditions, sports, current events, etc. will also be highlighted in the course material in order to help students better understand and appreciate the Spanish-speaking world.
2040 GERMAN I

Grades 9-12  Two semesters  2 Credits

German I introduces students to effective strategies for beginning German language learning, and to various aspects of German-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities 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. This course also 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. Additionally, students will examine the practices, products and perspectives of German-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

2042 GERMAN II

Grades 10-12  Two semesters  2 Credits

Pre-requisite: German I

German II builds upon effective strategies for German language learning be encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded context, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written and oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe practices, products and perspectives of German-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

2042 GERMAN III

Grades 11-12  Two semesters  2 Credits

Pre-requisite: German I, II

This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written and oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of German-speaking culture through recognition of the interrelations among target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding German language and culture outside of the classroom.

2044 GERMAN IV

Grade 12  Two Semesters  2 Credits

Pre-requisite: German I, II, III

German IV is a course based on content established by the College Board, stressing the importance of the use of German language for active communication. This course has as its objective the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and grammatical structures. Extensive practice in the organization and writing of compositions, listening to authentic material for comprehension purposes, and speaking in the target language are emphasized. Cultural content related to topics such as art, music, literature, customs and traditions, sports, current events, etc. will also be highlighted in the course material in order to help students better understand and appreciate the German language.