



International Christian School -  
Pyeongtaek

**2016-2017 HIGH SCHOOL  
COURSE CATALOG**

NOTE: The ICS-P administration reserves the right to alter or update this document as is necessary throughout the school year.

updated: August 15, 2016

#### Requirement for College Preparatory Diploma:

- Total credits required - 25 credits
  - Bible: 4 credits\*\*
  - English: 4 credits
  - Math: 3 credits
  - Science: 3 credits
  - Social Sciences: 3 credits
  - Physical Education/Health: 1 credit
  - Fine Arts: 1 credit
  - Foreign Language: 2 credits
  - Computer: 1 credit
  - Community Service (Jr/Sr): 1 credit
  - Electives: 2 credits
- At least ½ credit must be taken online.
- \*\*All students must successfully complete one half (½) of a Bible credit for each semester they are enrolled at ICS-P.

#### Requirement for High School Diploma for Non-Matriculating Students:

- Total credits required - 23 credits
  - Bible: 4 credits\*\*
  - English: 4 credits
  - Math: 3 credits
  - Science: 3 credits
  - Social Sciences: 3 credits
  - Physical Education/Health: 1 credit
  - Fine Arts: 1 credit
  - Foreign Language: 1 credit
  - Computer: 1 credit
  - Community Service (Jr/Sr): 1 credit
  - Electives: 4 credits
- Students may only pursue the high school diploma for non-matriculating students by special permission from ICS-P administration. All students are, by default, enrolled toward completion of the college preparatory diploma.
- \*\*All students must successfully complete one half (½) of a Bible credit for each semester they are enrolled at ICS-P.

1 semester = ½ credit

2 semesters = 1 credit

*Two asterisks (\*\*) denote classes that are offered on a rotating basis (rather than every year) and are not offered in the current school year.*

**NOTE:** The courses listed in this catalog may not be offered every year, and the course descriptions may be altered to fit curricular needs. The goal is to make every course in the catalog available to every student at appropriate times before graduation.

### GENERAL STUDIES:

**Online Education Credit** (½ credit, required) -- This ½-credit is generally obtained through study with our fully-accredited, online school, [North Star Academy](http://www.northstar-academy.org). Their course catalog is available at: <http://www.northstar-academy.org/catalog>. ICS-P students may enroll in NSA classes through our business office and receive a tuition discount. North Star Academy is a member school of the Network of International Christian Schools ([www.nics.org](http://www.nics.org)). The cost of the required half-credit is covered by the normal ICS tuition. Classes taken beyond the required half-credit may incur additional charges. If you have questions about costs, please contact the Business Manager, [Mylene Haselman](mailto:mylene@northstar-academy.org).

**Junior Project / Senior Capstone** (Coyner) -- The Junior Project or Senior Capstone course is a required one semester per year course for juniors and seniors. In addition to designing and participating in a significant community service project each year, students will be required to develop their academic and extracurricular talents to help prepare them for the university application process. University application essay writing, critical thinking, public speaking, and various leadership methods are also important components of this course. (0.5 credit, required)

### ENGLISH/LANGUAGE ARTS:

**Literature and Composition** (9<sup>th</sup>) (Thornton) -- Literature and Composition lays the foundation for later high school English classes. Students learn the basics of literary analysis for short stories, novels, poems, essays, and plays, including how to write literary analysis papers. The course also reviews the basics of writing and grammar to prepare students to write better and more complex compositions. (1 credit, required)

**World Literature** (10<sup>th</sup>) (Thornton) -- World Literature gives students an overview of literature from around the world and examines how culture and history impacts literature. Students continue to build their literary analysis skills, with a focus specifically on historical analysis techniques. The course also delves deeper into writing and grammar skills as students are required to write more complex essays. (1 credit, required)

**American Literature** (11<sup>th</sup>) (Thornton) -- American Literature traces the development of literature in the United States from the colonial times to the twentieth century. The class focuses specifically on how history and culture impact literature. Further, the class prepares students for college level writing and analysis tasks. Students will start to perfect their literary analysis skills and their writing skills. The class combines the skills students have learned in previous years and expects students to complete them at a higher level. (1 credit, required)

**British Literature** (12<sup>th</sup>) (Thornton) -- British Literature focuses on the development of literature in England and Great Britain from 449 A.D. to the twentieth century. The class focuses specifically on how history and culture impact literature. Further, the class prepares students for college level writing and analysis tasks. Students will perfect their literary analysis skills and their writing skills. The class combines the skills students have learned in previous years and expects students to complete them at a higher level. (1 credit, required)

**AP English Literature** (11th and 12th)\*\* -- AP English Literature and Composition trains students to analyze various forms of literature through discussion and writing. Students will learn a variety of literary analysis techniques and approaches that they will apply to short stories, essays, plays, novels, and poems. Along the way, students will write informal, expository, analysis, and persuasive papers in response to literature. At the end of the year, students will be required to take the AP Literature and Composition exam. In order to be eligible for AP English, students must be a junior or a senior, have a B average in English, and complete required summer reading. (1 credit, elective)

**AP English Language & Composition** (11th and 12th) (Thornton) The AP English Language and Composition course aligns to introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods (College Board, *AP Language and Composition Course Overview*, 2014). (1 credit, elective)

#### PHYSICAL EDUCATION:

**9th grade Physical Education** (Sortore) -- Students will learn the components of fitness, sports tactics, and sport-related skills, while at the same time pursuing a higher level of fitness, agility, and coordination. Students will be challenged to think through the intangible lessons that are taught in this class, such as leadership, teamwork, integrity, self-respect, and faith, through weekly journal assignments. (1 credit, required)

#### COMPUTER TECHNOLOGY:

**Programming and Robotics\*\*** -- During the 1st semester this course will study intermediate programming using the Python language. The 2nd semester will be divided into two sections at the quarter mark. During the 1st quarter the class will study the use and programming of micro-controllers using Python. The 2nd quarter will focus on robotics, drawing together the previous study areas to use and control simple robots (Lego NXT's and or EV3's), and looking at future applications of micro-controllers and robotics. (1 credit)

**General Computer Technologies\*\*** -- Students engage in a broad study of the technical aspects of computers and their applications to production and communications. Topics include computer equipment and operating systems, programming and control processing.

Problem-solving activities challenge students to plan, program, and interface devices with computer systems. Learning activities include programming, robotics, and control systems. (1 credit)

**STEM (Science, Technology, Engineering, and Mathematics)\*\*** (10th-12th) - see "Other Electives" for more information

### MATHEMATICS:

**Algebra 1** (R. Gaul) -- In this class students learn and build their basic knowledge of functions. Students will solve, factor and graph a variety of linear and quadratic equations, inequalities, and systems of equations. By using a verbal model and writing equations, students will model and solve real-life problems. Algebra 1 is a foundational course for all other math classes and aids the development of problem-solving strategies. (1 credit, required)

**Geometry** (R. Gaul) -- In this class, students will learn the basic axioms, properties and theorems of Euclidean geometry. Students will learn how to use logic to write two-column and paragraph proofs. While studying shapes, solids and coordinate plane geometry students will use algebra to solve problems, including real-life models. Students will become proficient at using rulers, compasses and protractors to make constructions. Prerequisite: A passing grade in Algebra 1. (1 credit)

**Business Mathematics\*\***-- This course is designed to introduce the mathematics of management. Students learn such concepts as simple interest, discounts, present value, time value of money, compound interest, annuities, capitalized costs, and bonds and stocks. Each of these topics assumes no prior knowledge of the mathematics of finance. Students are introduced to each of the topics in a step-by-step manner with many examples provided with a focus on entrepreneurship. Then students will set up a business plan of their own which they will present to the school and attempt to start a business. (1 credit, usually taken in place of Alg. 2)

**STEM\*\* (Science, Technology, Engineering, and Mathematics)** (10th-12th) - see "Other Electives" for more information

**Algebra 2** (R. Gaul) -- In this class students will solve and graph a large variety of functions including linear and quadratic equations and inequalities, systems of equations in two and three variables, rational functions and conic sections. Students will develop a deeper understanding of algebraic properties by applying them to matrices, imaginary numbers, and logarithms. Throughout this class students will learn to use a graphing calculator. There are real-life applications for every topic. Prerequisite: Passing grade in or concurrently enrolled in Geometry. (1 credit)

**Pre-Calculus** (R. Gaul) -- The purpose of this class is to prepare students to take Calculus. Students will develop a deeper understanding of functions, graphing, and how geometry and algebra are connected. Students will learn to solve, graph and use mathematical models

with trigonometric functions. New proof strategies learned include trigonometric identities and mathematical induction. Students will graph using the polar coordinate system. Students will solve challenging real-life problems related to the content they are learning. A graphing calculator is an essential tool for this class. Prerequisite: A grade of C- or better in Algebra 2. (1 credit)

**AP Calculus AB** (R. Gaul)-- In AP Calculus, students will approach problems graphically, analytically, and numerically, while verbally being able to describe chief concepts. They will be required to use the various representations to give further support for solutions. AP Calculus will include both the study and application of limits, derivatives, and integrals. Students will become problem-solvers that have a solid foundation of calculus that leads them to see the God-designed beauty of mathematics. (1 credit, elective)

### SOCIAL SCIENCES:

**Psychology** (Kolbe) -- The Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. (1 credit,elective)

**Ancient World History** (Kolbe) -- The purpose of this one-year course is to provide students with a chronological study of world history from prehistoric times to the European Middle Ages. The major emphasis of this course is on the study of significant people, events, and issues from the earliest times to the present. Students will examine historical points of reference, evaluate the causes and effects of economic imperialism, the historic origins of the world civilizations, trace the historical development of law, and analyze the impact of major religious and philosophical traditions. (1 credit, required)

**Modern World History** (Kolbe) -- The purpose of this one-year course is to provide students with a chronological study of world history from the European Renaissance to Modern Times. The major emphasis of this course is on the study of significant people, events, and issues from the 15<sup>th</sup> century to the present. Students will examine historical points of reference, evaluate the causes and effects of economic imperialism, the historic origins of contemporary economic systems, trace the historical development of law, and analyze the impact of major religious and philosophical traditions. Students will analyze the connections between major developments in science and technology and the growth of industrial economies. (1 credit, required)

**Government** (Kolbe) -- The primary objective of this one-semester course is to prepare the student for decision-making within the framework of the American political system. The course begins with an overview of basic concepts found in all political systems, the philosophical background which led to the development of the U.S. Constitution, and the basic concepts found in the Constitution. The executive, legislative, and judicial branches of the federal government, including current issues of interest such as foreign affairs, will be studied. In addition, students study the fields of civil rights and liberties, political parties and

suffrage, and state and local government. (½ credit, required, taken in conjunction with Economics)

**Economics** (Kolbe) -- This one-semester course deals with the way that individuals and societies, particularly our society, have chosen to use scarce resources for the production of alternative goods. Students will learn how these scarce resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based. Students will study the role government plays in this system and compare the American economic system to other types of economic systems. Students will also receive practical information in the field of personal finance. (½ credit, required, taken in conjunction with Government)

**United States History** (Kolbe) -- This course is a one-year study of the United States from 1877 to the present. The time span of the course is divided into units such as the Progressives, Civil Rights, and the Cold War. Within each unit events are looked at from several perspectives such as geographic, political, economic, social, and international influences. Emphasis is placed on relating the effects of past events to the present. The course is enriched with various activities which help students learn social studies skills as well as historical content. (1 credit, required)

#### BIBLE:

**Survey of the New Testament, 9** (Wolfer) -- The New Testament is not a single book. Rather, it is a collection of 27 letters, written by many authors. Although each of the authors was inspired by God the Holy Spirit as he wrote the inerrant Scriptures, these letters come in various tones, styles, and genres. Also, the authors address varying topics and doctrines. The focus of this course will be the study of the NT texts according to historical-cultural and literary methods. Studying the texts in their historical and literary contexts prevents the reader from taking biblical passages out of context and forces the reader to seek out what the authors (both man and God) intended for us to understand in the Scriptures. (1 credit, required)

**Systematic Theology, 10** (Wolfer) -- Doctrines are not merely a matter of discussion for seminary students and intellectuals—Christians ought to reject the common notion that doctrine is only divisive and leads to arrogance. As seen in the letter to Titus, the instruction of doctrine is not only for defensive purposes. It equips the believer to worship God in spirit and in truth and for every good work. This course will clearly outline the basic theology of orthodox Christianity, as it was taught by Jesus and the apostles and handed down by the faithful throughout the history of the church. Systematic theology is generally divided into nine basic categories: Bibliology (doctrine regarding the Scriptures), Theology proper (God), Christology (Jesus), Pneumatology (Holy Spirit), anthropology (humankind), soteriology (salvation), ecclesiology (the Church), angelology (angels/demons), and eschatology (end times).

**Worldview Studies, 11** (Mooney) -- A worldview is a set of basic assumptions that all people have regarding reality. Every person's actions and thoughts are guided by their worldview, whether they know it or not. In a pluralistic society, there are many conflicting worldviews that are competing. This course will present to the student several of the more prominent worldviews (Christianity, Islam, secular humanism, Marxism-Leninism, cosmic humanism, and postmodernism) and then reveal the practical outcomes of each worldview. Unashamedly this course will present Christianity as the worldview, which makes the most rational sense of reality, and it will guide the students into examining the leading worldviews. In the process, they will synthesize their own basic worldview positions, which will be both rational and biblical. (1 credit, required)

**Christian Thought and Apologetics, 12** (Wolfer) -- The word "apologetics" is based on the Greek word *apologia*, which means to "give a [legal] defense," and, in this context, the students learn to rationally defend Christian doctrines and belief. There is focus on intellectual Christian thinking as well as practical Christian living. The students will understand and learn to employ arguments for Christianity from various traditions of apologetics -- classical, evidentialist, presuppositional, and Reformed. The course also includes a significant component on logical reasoning and formal debate, designed to train the students to become strong thinkers and clear communicators. (1 credit, required)

#### SCIENCE:

**Biology** (R. Sortore) -- Biology is a lab-oriented course designed to help students understand how individual organisms work and how these organisms interact in the environment. Points of emphasis include cell structure, energy systems, DNA, genetics, and relationships between structure and function in human beings. Systems such as the immune system are studied as well as environmental issues. In the study of origins, students become familiar with theories such as evolution and intelligent design. Students are encouraged to approach biology with a critical mind that is informed by a Christian worldview. (1 credit, required)

**Chemistry** (R. Sortore) -- A general survey and introduction to the field of chemistry is given in this course. Algebra 2 is encouraged as a prerequisite, but not required. The major concepts covered in this course are Observations, Measurements, and Calculations, Atomic Structure, Electrons and Periodic Behavior, Chemical Bonding and Molecular Structure, Conservation of Mass and Stoichiometry, Gases and Gas Laws, Liquids, Solids and Solutions, Kinetics and Thermodynamics. After taking this course, a student should be ready for a college level chemistry course and also have an understanding of Chemistry that will equip them with the basic knowledge they will need for most life experiences. In addition to standard education elements, students can expect to engage in labs and various problem solving tasks and working with their hands using standard chemistry equipment. This course also serves as a prerequisite to AP chemistry. (1 credit)

**AP Chemistry\*\*** -- This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at

their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven areas of study: structure of matter, properties of matter, chemical reactions, rates of chemical reactions, thermodynamics, and equilibrium. (1 credit)

**Anatomy** (R. Sortore) -- This course is for those interested in science-related fields. Anatomy and physiology is a discussion and laboratory-based study of the human body. The study will range from molecules, cells, organs, body systems, and processes. Animal and organ dissection will compliment course work. This course is designed for college preparation, especially for biology and health career majors. (1 course)

**Physics\*\*** -- This course is a challenging and in-depth look at the basic concepts in physics. Students develop problem-solving skills that are essential for success in physics. Students learn the laws of motion, force, momentum and energy. Other subjects are covered as time allows. (1 credit)

**AP Physics 1\*\*** -- This course is the equivalent to a first-semester college course in algebra-based physics. Students will cultivate their understanding of physics and science practices as they explore the following topics: Kinematics, Dynamics: Newton's laws, Circular motion, Simple harmonic motion, Impulse, Momentum, Work, Conservation of energy, Rotational motion, Electrostatics, DC circuits: resistors only, and Mechanical waves  
Prerequisite: Completion of Algebra 2 with a C or better(1 credit, elective)

**STEM\*\* (Science, Technology, Engineering, and Mathematics)** (10th-12th) - see "Other Electives" for more information

#### WORLD LANGUAGES:

**Spanish 1** (H. Hannings) -- Spanish I is a course that gives students tools to build basic communication skills in Spanish. The student will be studying more advanced vocabulary and grammatical concepts. This course will allow students to form and understand more complex sentences, paragraphs, and conversations in all aspects of Spanish: listening, speaking, reading, and writing. It will focus on the geographical, historical and cultural aspects of Hispanic communities in the United States and the Spanish-speaking world. It is essential that all students be prepared to participate in daily class work and homework assignments, singing and activities/games, conversations, partner and group activities, audio-visual activities, lectures and discussions, individual projects, research and oral presentations, movie presentations, and other written, oral, audio, and visual assessments. (1 credit, required)

**Spanish 2** (H. Hannings) -- Spanish II is a course that builds upon the basic communication skills mastered in the Spanish I course. The student will be studying advanced vocabulary and grammatical concepts. This course will allow students to gain proficiency in listening, speaking, reading, and writing in Spanish; as well as, focus on the geographical, historical and cultural aspects of Hispanic communities in the United States and the Spanish-speaking

world. It is essential that all students be prepared to participate in daily class work and homework assignments, individual projects, research and oral presentations, partner and group activities, lectures and discussions, movie presentations, audio-visual activities, singing and games. (1 credit, required)

**Spanish 3** (H. Hannings) -- Students will complete their study of the major elements of Spanish grammar. Readings, composition writing and discussion topics will be used to enhance student fluency and self-expression. Students explore the literary, artistic and cultural heritage of Spain and Latin America in greater depth. It is essential that all students be prepared to participate in daily class work and homework assignments, singing and activities/games, conversations, partner and group activities, audio-visual activities, lectures and discussions, individual projects, research and oral presentations, movie presentations, and other written, oral, audio, and visual assessments.

#### FINE ARTS:

**Art (S. Lim)** -- This introduction to the visual arts exposes students to the artistic techniques and expressions of various traditions, formats, and artistic media. The students work with pencil, oil paint, watercolor, clay, paper *mache*, and more. The class will emphasize not only artistic technique but also the general analysis and appreciation for the visual arts.

**High School Music\*\***-- This is an elective course that students can take to fulfill their arts requirement for graduation. It is assumed that students in this class have already had some experience in the areas of reading, writing, singing, listening to, and performing music. The emphasis can vary from year to year based on the abilities and number of students enrolled. However, choral singing is always a major component of the class. By the end of the course each student should be able to: write a simple melody, play simple chords on the piano to a song, create simple yet musical improvisations on an instrument (piano, guitar, xylophone), demonstrate proper technique when singing, sing a short solo, sing harmony in a group, critique a musical performance using basic musical vocabulary, create an audition CD for the All Korea Honors Chorus, participate in all of the performances (H.S Chapel, Christmas Concert, KAIAC Festival, Spring Concert).

#### OTHER ELECTIVES:

**Yearbook** (S. Lim) -- The yearbook students will develop their skills in planning, creative thinking, graphic design, editing, photography, time management, and decision making through the development of the ICS-Pyeongtaek annual yearbook. The yearbook reflects the pictorial history of the campus activities, events, and community life for that year. The class is guided by the teacher technologically and artistically, but the implementation and design is largely the responsibility of the student editorial staff. (1 credit, elective)

**Drama\*\***-- The class introduces the student to beginning acting techniques and theatre appreciation. The class is designed to place considerable emphasis on communication, artistic analysis, improvisation, theatre vocabulary, teamwork, and performance.

**Speech\*\*** -- This course will provide students with the basic skills needed in public and daily interaction within society. Students will learn the essentials parts of speech, and the students will be assessed primarily through giving speeches themselves. Students at the end of the course will have developed an understanding of both delivery and proper skills in evaluating public speaking.

**Advanced Writing\*\***-- Advanced Writing is an in-depth investigation into the writing process (mechanics, grammar, usage, etc.). Students will become familiar with or expand their knowledge on different styles of writing—including narrative, informative, expository, and persuasive. Students will also develop skills of rhetorical analysis of non-fiction texts, a skill used across a variety of subject areas at universities and a excellent life skill for almost any career. Students will learn how to critically examine arguments from different authors, understand position and bias, be able to shape and develop thoughtfully constructed arguments of their own, and learn how to academically respond to criticism of their own positions.

**Intro to STEM\*\*** -- In this course students will engage in a variety of project based tasks integrating Science, Technology, Engineering, and Mathematics. Students will work as a team to design, create, and present their works. An emphasis will be placed on teamwork, problem identification, problem solving, communication, and innovation.

**Teaching Assistant (TA)** -- The student will be assigned to help one of our faculty members (K-12) in the daily operation of his or her class. This class is primarily for a student who may be interested in pursuing a career in education. The TA's responsibilities could include any basic operational classroom tasks, such as, but not limited to, making copies, organizing documents, setting up projects, and participating in student activities. In addition, the TA will learn about curriculum, lesson planning, assessing, and will be asked to teach a class with the teacher present. The TA will be assessed by the supervising teacher and given a credit upon satisfactory completion of the given tasks at the end of the semester.

**Library Assistant (A. Mooney)** -- The library aid will help with a wide variety of tasks in the library. Daily activities will include: re-shelving books, straightening shelves, and processing new books. The aid will help choose new books for purchase and will help with library displays as needed. This student will be influential in activities and incentives offered through our library. The library assistant will be assessed by the librarian and given credit upon satisfactory completion of the semester.

#### CURRENT NORTHSTAR OFFERINGS:

In the 2015-16 school year, ICS-P students were also enrolled in the following NorthStar online courses:

- AP Chemistry
- Consumer & Business Math
- Algebra 2
- Geometry
- Biology
- Honors Chemistry
- Pre-AP Pre-Calculus
- Algebra
- AP Calculus
- AP Statistics
- AP Biology
- AP Human Geography
- AP World History
- AP European History
- Statistics
- AP US Government & Politics
- Comparative World Governments
- AP Microeconomics
- AP Macroeconomics

For lists of other courses available through NorthStar, see their course catalog at:  
<http://www.northstar-academy.org/catalog>.



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