KUBASKI HIGH SCHOOL MINIMUM GRADUATION REQUIREMENTS

Required Courses and Number of Credits	Units
English Language Arts 9, 10, 11, 12 (**GL**) (2 years of ESL may be substituted for 2 years of English Language Arts.)	4
Social Studies (**GE**) (1 credit of U.S. History, 1 credit of either World Regions or World History, and 1/2 credit in U.S. Government required.)	3
Mathematics (**GM**) (Algebra I and Geometry are required. The third math credit must have a course code of 400 or above excluding Lab classes.)	3
Science (**GS**) (Biology is required and either a chemistry or physics credit is required. Physics Applications in the Community and Chemistry Applications meet the credit requirements for graduation.)	3
Foreign Language (**GD**) (A total of 2 credits in the same foreign language are required.)	2
Professional Technical Studies (**GV**) (1/2 credit must be in a computer technology.)	2
Physical Education (**GP**)	1.5
Fine Arts (**GF**) (Courses used to meet this credit must relate to: visual arts, music, theater, dance , and/or humanities.)	1
Health Education (**GH**)	.5
Sub-total for Required Courses	20
Sub-total for Elective Courses	6
MINIMIM TOTAL CREDITS	**26**

GRADUATION CATEGORY CODES:

NC = No Credit	**EL** = Elective	**G**= Graduation Requirement
GC = Computer	**GD** = Second Language	**GE** = Social Studies
GF = Fine Arts	**GG** = US Government	**GH** = Health
GL = Language Arts	**GM** = Mathematics	**GP** = Physical Education
GS = Science	**GU** = US History	**GV** = Careers

Kubasaki High School Guidance Department Course Description Guide

Advanced Band-Foreign Languages

Advanced Band **Grade Level** 9-12

Code: MUI301 **GF** **Course Length:** 36 weeks

Major Concepts/Content: The advanced band course is designed to acquaint students with advanced instrumental music skills. The content includes interpretation and analyzation of musical scores; playing from a score; independent performance of all major and minor scales; advanced rhythm patterns; performance as a soloist and in small and large group ensembles.

Advanced Chorus I **Grade Level:** 9-12
Code: MUV302 **GF** **Course Length:** 36 weeks

Preparation: Beginning Chorus or Equivalent

Major Concepts/Content: The advanced chorus course is designed to provide students the following advanced vocal musical learning experiences: continuing development of sight-reading ability; analyzing, rehearsing, and performing unison, two-, three-, and four-part music; singing with small and large ensembles in addition to solo opportunities; singing a cappella; experiencing a wide variety of choral literature including secular and no secular music and participating in choral performances.

AP Biology **Grade Level:** 11-12
Code: SCB612 **GS** **Course Length**: 36 weeks

Major Concepts/Content: AP Biology is a college-level course which differs from a high school Biology course in terms of depth of coverage, the type of laboratory work and time commitments for study. The three topics in AP Biology that are detailed in the AP Biology course description, which is available on AP Central (http://apcentral.collegeboard.com). These topics and relative time percentages for coverage of each are as follows: Molecules and Cells 25%; Heredity and Evolution 25%; Organisms and Populations 50%.

AP Chemistry **Grade Level:** 11-12
Code: SCC612 **GS** **Course Length:** 36 weeks

Major Concepts/Content: AP Chemistry provides an orderly development of the fundamental concepts and principles of chemistry with an emphasis on inquiry and critical thinking skills including problem solving, mathematical reasoning, and experimental investigations. Topics of study include structure of matter, states of matter, chemical reactions, and descriptive chemistry. Laboratory work is an integral component of this course. Technology including graphing calculators, probe ware, graphing and data analysis software, and chemistry apparatus is used throughout this course. Though our system has an open enrollment policy, students should understand that this course is designed to be a second year chemistry course, and the equivalent of a yearlong introductory, college level general chemistry course. The course requires a working knowledge of chemistry, and second-year algebra. The breadth, pace and depth of material covered exceeds the standard high school Chemistry course, as does the college-level textbook, laboratory work, and time and effort required of students. Students are expected to take the AP Chemistry Exam at the end of this course.

AP Calculus **Grade Level:** 11-12

Code: MAC612 **GM** **Course Length**: 36 weeks

Major Concepts/Contents: AP Calculus AB provides an understanding of the fundamental concepts and methods of differential and integral calculus with an emphasis on their application, and the use of multiple representations incorporating graphic, numeric, analytic, algebraic, and verbal and written responses. Technology is an integral part of the course and includes the use of graphing calculators, computers, and data analysis software. The College Board requires the use of graphing calculators for this course. Though our system has an open enrollment policy, students should understand that this course is designed to be a fourth-year mathematics course and the equivalent of a year-long, college-level course in single variable calculus. The course requires a solid foundation of advanced topics in algebra, geometry, trigonometry, analytic geometry, and elementary functions.

AP Environnemental Science **Grade Level**: 11-12

Code:SCZ611 **GS** **Course Length:** 36 weeks

Major Concepts/Content: The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. Environmental science is an interdisciplinary course that embraces a wide variety of topics structured around unifying themes in science. Among the principle objectives are: To understand the fundamental concepts and principles and methodologies of environmental science; to identify, investigate and analyze environmental issues and problems of the natural and man-made world; to evaluate the relative risks of environmental issues and explore their resolution and; to develop problem solving skills, through the active asking and answering of testable questions, and employing the components of a well-designed experimental investigation.

AP Physics B **Grade Level:** 11-12

Code: SCP 612 **GS** **Course Length**: 36 weeks

Major Concepts/Content: The Physics B course is a college-level course which differs from a high school Physics course in terms of depth of coverage, the type of laboratory work and time commitments for study. Physics B course introduces the main principles of physics and emphasizes the development of problem-solving ability. Strong emphasis is placed on solving a variety of challenging problems requiring algebra and trigonometry, and basic concepts of calculus).

AP English Language **Grade Level:** 11

Code: LAC614 **GL** Course Length: 36 weeks

Major Content/Concepts: Students will experience, interpret, and evaluate college level nonfiction readings of recognized importance and styles from different time periods covering multiple disciplines. In addition, the critical examination of the contextual relationship among graphics and visual images to text and as stand-alone messages will be mastered. Readings will be challenging, complex, and rich; collegial discussions amongst the students will deepen their understanding of the use, structure, and impact of language embodied in a work.

AP English Lit and Comp **Grade Level**: 12

Code: LAL613 **GL** **Course Length:** 36 weeks

Major Content/Concepts: This college level course provides a "representative" background in the "deliberate reading and critical analysis" of British and American literature in addition to readings drawn from several genres (poetry, drama, fiction, and expository prose) and cultures dating from the sixteenth century to the present. This wide reading will allow students to appreciate the linguistic changes that have occurred with the English language. Readings will be numerous and collegial discussions amongst the students will deepen their understanding of the use, structure, and impact of language embodied in a literary work. Wide reading will provide students the opportunity to explore and appreciate trends in linguistic styles across time. In addition to reading numerous works, students will get to know a few pieces well from multiple perspectives.

AP Japanese **Grade Level:** 11-12

Code: FLJ614 **GD** **Course Length**: 36 Weeks

AP Japanese is equivalent to fifth and sixth semester college work (3rd year college).

AP Statistics **Grade Level**: 11-12

Code: MAZ611 **GM** **Course Length:** 36 weeks

Major Content/Concepts: AP Statistics is a college-level course which differs from a high school statistics course in terms of depth of coverage and time commitments for study. The content is organized to emphasize major topics which include the following: (1) data investigation, (2) designing and conducting studies, (3) anticipating patterns using probability and simulations, and (4) statistical inference. These topics are detailed in the AP Statistics course description, which is available at AP Central (http://apcentral.collegeboard.com).

Algebra I **Grade Level:** 9-12

Code: MAA301 **GM** **Course Length:** 36 weeks

Major Concepts/Content**:** This course may be the most common entry-level course for students who have had a rich and varied middle level mathematics program. It expands upon basic algebraic concepts previously acquired and integrates those principles with everyday life. The processes of problem solving, reasoning, communication and making connections are emphasized. Students will use formulas, functions, and equations to describe and clarify relationships, and will use geometry to represent algebraic relationships.

Algebra II **Grade Level: 9-12**

Code: MAG401 **GM** **Course Length:** 36 weeks

Major Concepts/Content: This course engages students in advanced algebraic concepts through the study of functions of functions, polynomials, complex matrices, and sequences and series. Students will make connections by integrating algebra into geometry, data analysis, and into other curricular areas. Student reasoning will involve linear equations and inequalities, systems of linear equations, matrices and determinants, quadratic equations and relations, functions and graphs, powers, roots, and radicals, exponential and logarithmic functions, polynomials and polynomial functions, rational expressions and functions, sequences and series, probability and statistics, and circular trigonometric functions.

Applied Architecture Design **Grade Level:** 9-12

Code: PTE405 **GV** **Course Length:** 36 weeks

Major Concepts/Content: This course will require students to design in AutoCAD, Architectural Desktop and several other programs. Students will create 3D modeling videos and scale models of residential and commercial buildings.

Architectural Drawing **GV**

Code: PTE305

This course provides students with instruction and skills in computer aided drawing fundamentals used in the production of residential and commercial buildings. It is recommended that aspiring architects, designers, engineers, CAD technicians, interior decorators take this course.

Automotive Technology I 1hr, II 2 hr **Grade Level:** 9-12

Code: VEA302, VEA 303 **GV** **Course Length:** 36 weeks

Major Concepts/Content: The automotive mechanics course is designed to provide students with entry-level job skills for occupations in the automotive service trade. The emphasis is on the service and repair of the following types of systems: transmission; ignition; fuel; cylinder block; cylinder head; brake; suspension, and electrical.

AVID I,II, III, IV **Grade Level**: 9-12

Code: LAV 301,401,501.601 **EL** Course Length: 36 weeks

Major Concepts/Content: AVID (Advancement via Individual Determination) is a language arts based curriculum with emphasis on the writing process and writing as a tool of learning. In addition to inquiry and collaboration, AVID also provides students with academic survival skills, i.e., time management, note taking, textbook reading, library research, test taking skills, and study skills. The Cornell note-taking system is taught and students are expected to use this system in all classes. AVID is an elective course whose students receive two hours of instruction per week in college level entry skills, two hours per week in tutor lead study groups, and one hour per week in motivational activities and academic survival skills. Field trips are an important aspect of this program.

Beginning Band **Grade Level** 9-12

Code: MUI301 **GF** **Course Length:** 36 Weeks

Major Concepts/Content:

The beginning band course is designed to introduce students to the following: basic instrumental music techniques such as tone production, articulation, breath control, pitch discrimination; melodic and rhythmic concepts and patterns; practice skills and habits; solo, ensemble, and full group rehearsals; a variety of instrumental repertoire; opportunities for private instruction; experiences in performing; and sound practice habits.

Beginning Chorus **Grade Level 9-12**

Code:MUV301 **GF** **Course Length**: 36 Weeks

Major Concepts/Content: The beginning chorus course is designed to Provide students, but not limit them to, the following vocal musical learning experiences: learning the beginning and basic fundamentals of sight-reading vocal music, rehearsing and performing unison and two-part music, singing with small and large groups, studying intonation, experiencing a wide variety of choral literature including secular and no secular music, singing with keyboard and other instrumental accompaniment, and participating in public performances and musical productions.

Biology **Grade Level:** 9-12

Code: SCB401 **GS** **Course Length:** 36 weeks

Major Concepts/Content: Biology is designed to provide students with an integrated approach to the study of living organisms, in addition to science as inquiry, science and technology, science and social perspectives, and the history and nature of science. The course integrates unifying science concepts and processes of systems, order and organization, evidence, models and explanation, change, consistency and equilibrium; and form and function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications.

Ceramics I **Grade Level:** 9-12

Code: ARE401 **GF** **Course Length:** 18 weeks

Recommended Preparation: Fundamentals of Art

Major Concepts/Content: The ceramics course is designed to provide a studio-oriented experience with the study of clay. Students explore the properties of clay by making practical and sculptural forms that emphasize form, design, and craftsmanship. The course includes instruction in clay application, kiln management, and the historical role of ceramics in our culture.

Chemistry **Grade Level:** 10-12

Code: SCC501 **GS** **Course Length**: 36 weeks

Preparation: Algebra with Geometry

Major Concepts/Content: Chemistry is designed to help students understand the major principles of chemistry. Information is acquired through an integrated approach, incorporating advanced topics with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium; and form & function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students' study includes atomic theory and structure, chemical bonding, principles of chemical reactions, molecular structure, and how science and technology relate to chemistry.

Cisco I, II Networking **Grade Level**: 11-12

Code: PTI 501, PTI 601 **GC, GV** **Course Length**: 36 weeks

Major Concepts/Content: These course two courses prepare students to become network engineers and prepare them for entrance into a technology career field or for further technology study. The program includes a complete range of basic and advanced networking concepts - from pulling cables through such complex concepts as subnet masking rules and strategies. Successful completion of this course and the Cisco Networking 2 course should prepare the student to pass the Cisco Certified Network Associate examination.

College Entrance Prep **Grade Level**: 10-12

Code: PPS401 **EL** **Course Length**: 18 weeks

Major Concepts/Content: The College Entrance Preparation course is designed to review and reinforce knowledge of content included on the Scholastic Aptitude test. In addition, the course should help students get better acquainted with the SAT, and in the process, alleviate some of the anxiety associated with taking this important test which could result in major implications for future educational pursuit.

Computer Animation **Grade Level:** 9 -12

Code: TES301 **GC/GV** **Course Length:** 36 weeks

Major Concepts/Content: The Computer Animation course is designed to provide students with the instruction and skills to create digital illustrations, modeling and animation, character animation, digital motion imagery, and game design. The content includes, but is not limited to, 3D modeling, materials and textures, rendering, and computer animation. Students will also create, record, and edit digital audio, video, and photographic imagery.

Computer Applications I **Grade Level:** 9-12

Code: BCT301 **GC/GV** **Course Length:** 18 weeks

Preparation: Keyboarding

Major Concepts/Content: Computer Application I: Cyber Café is designed to provide the student with the opportunity to expand technology knowledge and apply various technology applications. This course will equip the student with the necessary technology tools for personal use, employment and advanced education.

Computer Art **Grade Level 9-12**

Code: ARC301 **GF** Course Length: 18-36 weeks

Major Concepts/Content: This class is designed to provide the basics of graphic design, using the computer as the design medium. Computers are used with prescribed graphics software to teach two-dimensional design. The class will teach the elements (line, shape, color, texture, value and space) and principles (balance, rhythm, unity, proportion, variety and emphasis) of design through a series of assignments that are completed on the computer. Students need not have a compatible computer of their own, as all assignments will be completed in class.

Computer Music **Grade Level: 9-12**

Code: MUC301 GF **Course Length** 18 Weeks

Major Concepts/Content: The computer music course is designed to introduce students to basic synthesizer techniques, musical instrument digital interface (MIDI) concepts, recording techniques, programmable rhythm mailing techniques, music composition, and software applications.

Computer Service/Support **Grade Level:** 9-12

Code: VEE309 **GC /GV** **Course Length:** 36 weeks

Major Concepts/Content: This program is intended to prepare students for computer support areas. Students enrolled in this course will learn how to perform shop maintenance, repair computers, install operating systems and software, acquire employment skills, as well as operate a service and support business. The course will provide students with concepts and skills necessary to achieve certification in PC Repair and Technical Support.

Conditioning **Grade Level:** 10-12

Code: PEG403 **GP** **Course Length:** 18-36 weeks

Major Concepts/Content: This semester or year long course is designed to enable students in grades ten through twelve to continue to develop the movement skills and conceptual knowledge in sports and physical activities of the student's choosing. The course focuses on one category of sport or activity, teaching and improving the motor skills and tactical knowledge unique to that category of physical activity, which may include individual non-competitive activities. Multiple assessment strategies are used to enable students to develop their motor skills and concepts. Examples are checklists, written summaries, authentic performance tasks, activity logs, selected and constructed response tests, and product assessment by the teacher, self, and peers.

Culinary Arts I,II GV **Grade Level:** 10-12
Code: PTF401 PTF 402 Course Length: 36 weeks
Major Concepts/Content:
These two hours Culinary Arts courses will teach management skills required for a career in restaurant and food industry

Data Base Applications **Grade Level** 9-12
Code: PTI305 GC/GV **Course Length: 18** weeks
Major Concepts/Content: Database Software Applications provides students with the opportunity to develop professional level skills in database management. Use database management software to demonstrate a thorough understanding of creating and using databases, creating and modifying tables, creating and modifying queries, creating and modifying forms, viewing and organizing information, defining relationships, producing reports, and integrating with other applications. Analyze and evaluate solutions.

Drama-Theater **Grade Level:** 9 - 12
Code: DRA301 **GF** **Course Length:** 36 weeks
Preparation: Drama I

Major Concepts/Content: The drama/theater course continues to develop skills introduced in drama, with increased attention to: acting, i.e., character development, voice, dialect; to technical theater, i.e., designing and realizing concepts for performance spaces, costuming, and career options in the performing arts.

Drawing **Grade Level:** 9-12
Code: ARW401 **GF** **Course Length:** 18 weeks
Preparation: Fundamentals of Art
Major Concepts/Content: The drawing course is designed for students who want to explore drawing as a means of self-expression. The course activities develop students' skills in the techniques and styles of drawing media, Students explore the two and three-dimensional aspects in drawing and develop personal expression.

Engineer Drawing-CAD **Grade Level 9-12**
Code: PTE 303 **GV** **Course Length**: 36 Weeks
Major Concepts/Content: Engineering drawing is a Computer Aided Drawing and Design (CAD) course designed to provide beginning students with instruction in computer graphic skills and design fundamentals. Students will learn the use of a CAD system for two-dimensional drawing and three-dimensional modeling. Through the use of the Internet students will explore the wide range of CAD technologies and applications. This course is strongly recommended for students aspiring to become engineers, architects, and engineer technicians. This course is part of the School-to-Work transition guidelines.

Earth/Space Science **Grade Level:** 9-12
Code: PTI407 **GS** **Course Length**: 36 weeks
Major Concepts/Content: Earth and Space Science is designed to help students understand the world around them and increase their ability to evaluate that world. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium; and form & function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students' study includes geology, astronomy, meteorology, oceanography, and ecology.

Environmental Science **Grade Level**: 9-12
Code: SCZ401 **GS** **Course Length**: 36 weeks
Major Concepts/Content: Environmental Science is designed to be an elective course for students with a special interest and high motivation for an in-depth study of environmental science. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form & function.

Family Consumer Science **Grade Level: 9-12**
Code: PTZ304 **GV** **Course Length:** 18 weeks
Major Concepts/Content: The personal and family consumer science course is designed to provide students with basic constructs, skills, and competencies essential to living in the 21st Century. Students will explore the roles they will assume as adults and acquire skills needed in life. Included will be the importance of food selection and nutrition. Also include will be units on quality of life, personal relationships, family living, parenthood, infant care, early childhood development, adolescence, courtship, conflict resolution, and personal environment design. Concepts taught will introduce students to family and consumer sciences specialization courses

Fundamentals of Art **Grade Level:** 9-12
Code: ARA301 **GF** **Course Length:** 18 weeks

Major Concepts/Content: The fundamental of art course is designed as the basic entry course for the art program. The course provides instruction in the use of the elements of line, color, texture, shape, and space arrangement in works of art. Students learn how to compose a balanced, rhythmic, unified design through a series of assignments that use a variety of two- and three-dimensional art media.

Database Software Applications **Grade Level:** 9 -12
Code: BCB305 **GC/GV** **Course Length:** 36 weeks

Preparation: Keyboarding, Computer Applications

Major Concepts/Content: Word Processing Software Applications provides students with the opportunity to develop professional level skills in word processing software.

Digital Photography **Grade Level:** 9-12
Code: ARH 401 **GF** **Course Length:** 18 Weeks

Major Concepts/Content: Students will be required to demonstrate the proper use and care of photographic tools and equipment. Student photography will be evaluated for originality, craftsmanship, effort, time utilization, and quality with consideration given to individual students' talent, experience, and/or limitations.

Engineering Design & Technology I,II

Code: PTE 501 GV

Major Concepts/Content: The course Engineering Design & Technology I introduces students to the technology systems, tools, materials, and processes of industry through computer and teacher instruction and hands-on real-world activities. This course will provide students with a solid foundation in the following six fields: Electronics, quality control, manufacturing, automation, mechanical systems, and design**.** The course Engineering Design & Technology II is a follow-up course for students that successfully completed Engineering Design & Technology I. Students will continue learning the technology systems, tools, materials, and processes of industry through computer and teacher instruction and hands-on real-world activities. This course will provide students with an intermediate to mastery proficiency in the following six fields.

Engineering Drawing/CAD **Grade Level** 9-12
Code: PTE 305 GV **Course Length:** 36 weeks

Major Concepts/Content: Engineering drawing is a Computer Aided Drawing and Design (CAD) course designed to provide beginning students with instruction in computer graphic skills and design fundamentals. Students will learn the use of a CAD system for two-dimensional drawing and three-dimensional modeling. Through the use of the Internet students will explore the wide range of CAD technologies and applications. This course is strongly recommended for students aspiring to become engineers, architects, and engineer technicians. This course is part of the School-to-Work transition guidelines.

Family Consumer Science **Grade Level:** 9-12
Code: HEB303 **GV** **Course Length:** 18 weeks

Major Concepts/Content: Students will explore the roles they will assume as adults and acquire skills needed in life. Included will be the importance of food selection and nutrition. Also include will be units on quality of life, personal relationships, family living, parenthood, infant care, early childhood development, adolescence, courtship, conflict resolution, and personal environment design.

Family Consumer Science **Grade Level:** 9-12
Code: HEB303 **GV** **Course Length:** 18 weeks

Major Concepts/Content: Students will explore the roles they will assume as adults and acquire skills needed in life. Included will be the importance of food selection and nutrition. Also include will be units on quality of life, personal relationships, family living, parenthood, infant care, early childhood development, adolescence, courtship, conflict resolution, and personal environment design.

Fundamentals of Art **Grade Level** 9-12

Code: ARA301S **GF** **Course Length** 18-36 weeks

Major Concepts/Content: The fundamentals of art course is designed as the basic entry course for the art program. The course provides instruction in the use of the elements of line, Color texture, shape, and space arrangement in works of art. Students learn how to compose a balanced, rhythmic, unified design through a series of assignments that use a variety of two- and three-dimensional art media. Course emphasis is placed on basic techniques of drawing, painting, printmaking, ceramics, and sculpture that can be used throughout life for communication, expression, and enjoyment.

Foreign Languages: GD

French I, II, III, IV, V	**FLF 301-601**
Japanese I, II III, IV, V	**FLJ 301**
Spanish I, II, III, IV, V	**FLS 301-602**
Chinese I, II, III, IV	**FLC 301-601**

Major Concepts/Content: These 36 week foreign language courses are designed to teach students to pronounce and discriminate between the various vowel and consonant sounds and respond to and to imitate authentic patterns of intonation, rhythm, and pronunciation. Students learn to give simple oral and written information by using appropriate learned vocabulary, word order, and grammatical forms, and to read silently and aloud with comprehension. Various short stories, essays, simple readers, magazines, newspapers, filmstrips, films, slides, videos and computer programs that are representative of the culture of the different foreign language speaking countries are used. The foreign language II courses are designed to provide activities, projects, and experiences that enable students to appreciate and value the host nation's (or target language) culture. Students are also made aware of the value of foreign language study. Career opportunities are analyzed and students learn that the knowledge of a second language can be a useful tool in international, economical, and social situations.

Geometry– Marine JROTC

Geometry **Grade Level:** 9-12

Code: MAG401 **GM** **Course Length:** 36 weeks

Preparation: Algebra I

Major Concepts/Content: This course is designed to develop and promote student reasoning and problem solving involving geometric concepts and properties. Topics of study will include deductive reasoning using points, lines, and planes; segments, angles and triangles; quadrilaterals; polygons; and three-dimensional figures. Algebraic concepts are integrated with the geometric concepts throughout the course. Applications to real life situations are prevalent throughout the course.

Guitar I **Grade Level**: 9-12

Code: MUS301 **GF** **Course Length**: 36 Weeks

Major Concepts/Content: The guitar I course is designed to introduce students to the study of the guitar. The content includes, but is not limited to, staff notation and rhythm concepts, major and minor chord recognition, strumming and picking techniques, duple and triple meters, listening skills, guitar styles and forms, familiarity in the playing of all strings, variety of guitar repertoire, performance as soloists and in group ensembles, tuning and intonation, and guitar accompaniment techniques.

Guitar II **Grade Level:** 9-12

Code: MUS301 **GF** **Course Length**: 36 Weeks

Major Concepts/Content: The guitar II course is designed to introduce students to the advanced study of the guitar. The content includes staff notation and rhythm concepts, major and minor chord recognition, strumming and picking techniques, duple and triple meters, listening skills, guitar styles and forms, familiarity in the playing of all strings, variety of guitar repertoire, performance as soloists and in group ensembles, tuning and into nation, guitar accompaniment techniques, major and minor scales, and position change.

Health **Grade Level:** 9-12
Code: HLH 301 **GH** **Course Length:** 18 Weeks
Major Concepts/Content: The focus is on students dealing with the world today and preparing for adult living based on a health and wellness ethic. Developmentally appropriate concepts of personal and community health (PCH), safety (SFTY), mental health (MH), alcohol, tobacco, and other drugs (ATOD), and family life and human sexuality (FLHS) are taught in this course.

Honors World History 9 **Grade Level:** 9
Code: LAE371 **GL** **Course Length:** 36 weeks
Preparation: Language Arts 8
Major Concepts/Content: Students must be dual-enrolled in Honors World History 9. The emphasis in the class is to go beyond the skills of recognition, fact gathering and recall to the use of higher-level thinking/processing skills that emphasize critical reading, analysis, synthesis, and evaluation. In both form and subject, the literature selected for study will be challenging to the most able students. The class is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

Honors World History 10 **Grade Level**: 10
Code: SSW471 **GE** **Course Length**: 36 Weeks
Major Concepts/Content: This is an integrated course for students interested in taking 10th grade Honors Social Studies and English. The course uses the chronological study of world history from 1500 to the present and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation.

Honors Literature 9 **Grade Level: 9**
Code: SSW371 **GL** **Course Length:** 36 weeks
Major Concepts/Content: Students must be dual-enrolled in Honors Literature 9. The emphasis in the class is to go beyond the skills of recognition, fact gathering and recall to the use of higher-level thinking/processing skills that emphasize critical reading, analysis, synthesis, and evaluation. In both form and subject, the material selected for study will be challenging to the most able students. The class is distinguished by a difference in the quality of the work expected, not merely an increase in quantity.

Honors Literature 10 **Grade Level: 10**
Code: SSW471 **GL** **Course Length**: 36 weeks
Concepts/Content: This is an integrated course for students interested in taking 10th grade Honors Social Studies and English. The course uses the chronological study of world history from 1500 to the present and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation.

Human Anatomy and Physiology **Grade Level: 11-12**
Code: SCX401 **GS** **Course Length:** 36 Weeks
Preparation: Biology, Chemistry
Major Concepts/Content: Human Anatomy & Physiology is an elective course for students with a special interest and high motivation for an in-depth study of normal human structures and functions. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates biology and chemistry using unifying concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form & function.

Industrial Production **Grade Level 9-12**

Code: PTE302 **GV** Course Length: 36 weeks

Major Concepts/Content: The Productions and Manufacturing course introduces students to production and manufacturing systems. Included in this course is the use of two-dimensional drawing and three-dimensional modeling. Through the use of the Internet as a tool, students will explore the wide range of production and manufacturing technologies. Students will practice safety while performing skills and operations related to production and manufacturing. This course is strongly recommended for students aspiring to become engineers, architects, and engineer technicians.

Interactive Multimedia **Grade Level:** 9-12

Code: BCT405 **GC/GV** **Course Length:** 36 weeks

Major Concepts/Content: Interactive Multimedia is designed to acquaint students with a variety of multimedia applications. A variety of technology tools will be used to produce multimedia projects that include graphics, sound, video, programming, and other appropriate technology. The emphasis of this course is the production of individual and/or group projects

Intermediate Band **Grade Level: 9-12**

Code: MUI302 **GF** **Course Length:** 36 weeks

Preparation: Beginning Band

Major Concepts/Content: **By audition.** The intermediate band course is designed to acquaint students with intermediate to advanced instrumental music skills which include, but will not be limited to, the following content: intermediate to advanced level sight-reading skills; discrimination of pitch; absolute essentials for playing in tune; intermediate to advanced rhythm concepts and patterns; techniques for achieving the essentials of unity, balance, and contrast in performing instrumental music; the study of all major and minor scales; the opportunity of performing a variety of good musical repertoire; and listening skills development.

Java I **Grade Level:** 9-12

Code: BCC305 **GC/GV** **Course Length:** 18 weeks

Major Concepts/Content: Programming in Java is a one-semester course designed to teach students Java programming concepts using a structured approach. Students will develop Java applications and applets. Problem solving and program documentation will be emphasized.

Journalism **Grade Level:** 9-12

Code: LAJ401 **EL** **Course Length:** 36 weeks

Major Concepts/Content This course encourages student responsibility for the development of personal and staff management skills, for the production of a publishable product, and for adherence to ethical values affecting journalists, while helping students at the same time to refine and put to practical use their thinking, writing, and critiquing skills. The study of journalism will also introduce students to the problems and opportunities present in mass media today.

Language Arts 9 **Grade Level:** 9

Code: LAE301 **GL** **Course Length:** 36 weeks

Major Concepts/Content: The language Arts 9 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, preparing oral reports in various content areas; using appropriate pitch, stress, juncture and rate in formal and informal speech; using the dictionary and the thesaurus to develop an increasingly comprehensive and precise vocabulary in both speaking and writing.

Language Arts 10 **Grade Level**: 10

Code: LAE401 **GL** **Course Length**: 36 weeks

Major Concepts/Content: The Language Arts 10 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, outlining or mapping main ideas and details of information received aurally or through research; using vocabulary and sentence structure appropriate to the listener and the situation; understanding the importance of speech in influencing the course of events in a democratic society; using interviewing skills; using parliamentary procedure skills; using formal debating skills; refining test-taking skills to meet secondary and post-secondary demands; writing a paraphrase, summary, or precise; writing compositions for newspaper publication; writing a short paper using research techniques; selecting appropriate sources of information for the topic; understanding and explaining the type of conflict in a given literary selection.

Language Arts 11 **Grade Level** 11

Code: LAE501 **GL** **Course Length** 36 weeks

Major Concepts/Content: The Language Arts 11 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, developing an increasingly comprehensive vocabulary in conversation and discussion; developing small group and large group discussion skills; inferring conclusions from a series of oral statements; respecting the presence of dialects and regional variations in speech; writing essays responding to social, political, and literary concepts; writing resumes; writing compositions of more than one paragraph using narration, exposition, and/ or description; developing individual criteria for the aesthetic appreciation of literature; recognizing and understanding the use of literary and stylistic devices; dramatizing literature; experiencing a wide range of literary works written in the United States by writers from the major ethnic groups in the U.S. population, including both classic and modern works; using the media center research facilities; and reading self-selected books to help students learn to view reading as a useful and pleasurable activity.

Language Arts 12 **Grade Level** 12

Code: LAE 601 **GL** **Course Length** 36 weeks

Major Concepts/Content: The Language Arts 12 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, recognizing how continued development of communication skills can enhance one's future career and leisure activities; using communication skills in preparing for career choices; using the research skills necessary to meet the demands of post-secondary classes; using computer technology, where hardware is available, as an aid in writing compositions; writing in a clear and personal style; responding to literary masterpieces which are the common heritage of all people; engaging in perceptive reading and critical analysis of English and world literature; engaging in discussions of philosophical questions as revealed in literary works; and using the media center research facilities.

Learning Strategies **Grade Level:** 9-12

Code: AAC331 **EL** **Course Length**: 36 weeks

Major Concepts/Content: The learning strategies course is designed to introduce special education students to concepts that are necessary for them to function in a regular classroom environment. The content includes, but is not limited to, the following concepts: time management, decision-making strategies, following directions, time-on-task behaviors, use of visual aids, organization of work site, organization of information, textbook usage strategies, note taking, test-taking strategies, dictionary reference skills and researching and locating information.

Lifetime Sports **Grade Level**: 9-12

Code: PEL301 **GP** **Course Length**: 36 weeks

Concepts/Content: This semester course, which is required for graduation, is designed to enable students in grades nine through. The focus is on teaching and improving the sport specific motor skills, tactical knowledge, and rules unique to the variety of lifetime sports presented in this course.

Lodging I and II **Grade Level**: 10-12

Code: PTL401/PTL501 **GV** Course Length: 36 weeks

Major Concepts/Content: The Lodging courses will teach management skills required for a career in the hotel and lodging industry.

Marine Biology **Grade Level:** 10-12

Code: SCZ602 **GS** Course Length: 36 weeks

Major Concepts/Content: Marine Biology is designed to be an elective, introductory course to the identification and classification of organisms most common to the region in which the course is offered. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form & function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students study include ecological concepts of the sandy beach, rocky shore and benthic communities, seaweeds, plank tonic forms, plankton and their relationship to marine life cycles, nekton, benthos, marine bacteriology, marine biological resources, and marine pollution. Additional special topics may be selected for study.

Marine Corps JROTC **Grade Level:** 9 -12

Code: VEM301 **GV** **Course Length:** 36 weeks

Preparation: Must be 14 years of age or older by the end of the semester.

Major Concepts/Content: The Marine Corps JROTC I (Leadership Education I) course focus on introducing and integrating students to the JROTC program and its objectives. Classes focus on introducing leadership concepts (definition, traits, morals & ethics, responsibilities), citizenship. This class may be repeated.

Nutrition-Yearbook

Nutrition, Fitness & Wellness **Grade Level:** 9-12

Code: HED302 **GV** **Course Length:** 18 weeks

Major Concepts/Content: This course is designed to develop students' range of nutritional understandings for application to a career in the food, nutrition, and wellness industries. Students will explore dimensions of sound nutrition, analysis of nutritional content, and develop skills to plan nutritional meals that contribute to fitness and wellness. Students will utilize computer analysis to evaluate their individual diet and how it relates to their personal wellness.

Painting I/II **Grade Level 9-12**

Code ARP401 **GF**

Major Concepts/Content: The painting course is designed for students who want to develop skills in one or more painting media. The media may be oils, acrylic, watercolor or tempera. Students will receive instruction in the techniques and history of various painting styles. Projects and exercises will help students develop the skills and understanding necessary for personal expression. Emphasis will be placed on color theory, painting techniques, and other skills appropriate to the medium.

PE Activities/Nutrition **Grade Level:** 9-12

Code: PEN301 **GP** **Course Length**: 18 weeks

This one semester physical activity and nutrition course is required for graduation. This course provides a variety of opportunities for students to experience alternative, non-competitive physical activities. It is designed to enable students in grades nine through twelve to develop the movement skills and conceptual knowledge necessary to implement a personal physical activity and nutrition plan. Students participate in non-competitive physical activity and meal planning with pre and post physical activity and nutrition assessments. Students access information, obtain and analyze data, and develop their own personal physical activity and nutrition plan.

Personal Fitness **Grade Level**: 9-12

Code: PEF301 **GP** **Course Length:** 18 weeks

Major Concepts/Content: This semester course, which is required for graduation, is designed to enable students in grades nine through twelve to develop the movement skills and conceptual knowledge to make personal physical fitness decisions for a lifetime. Developmentally appropriate concepts of movement, physical fitness, and personal and social development are included in this course. Students apply appropriate information and problem solving that will help them achieve an individual, optimal level of fitness. The course focuses on why fitness is important, assessing an individual's exercise and activity needs, and how to exercise safely.

Physics **Grade level** 10-12

Code: SCP501 **GS** **Course Length**: 36 Weeks

Major Concepts/Content: Physics presents basic concepts of physics in relation to world experiences. Information is presented in an integrated approach, linking physics with technology, social perspectives, and the history and nature of science. Physics is designed to provide an understanding of the physical laws fundamental to all sciences. Fundamental laws of mechanics are introduced, along with measurement and problem-solving techniques. Other topics included are wave theory, heat, sound, light, magnetism, electricity, atomic structure, nuclear reactions, and high energy physics.

Physics Applications in Communication **Grade Level:** 9-12

Code: SCP302 **GS** **Course Length:** 36 weeks

Major Concepts/Content: Introduction to Physics presents concepts of physics in relation to world experiences. Information is presented in an integrated approach, linking physics with technology, social perspectives, and the history and nature of science. The course presents a thematic approach to physics using explorations of various topics.

Piano I **Grade Level:** 9-12

Code: MUS303 **GF** **Course Length**: 36 Weeks

Major Concepts/Content: The piano I course is designed to introduce students to the study of the piano. The content includes: correct keyboard playing positions; developing listening skills; reading, writing and playing notation in bass and treble clefs; reading, writing and playing rhythm concepts and patterns; constructing major and minor scales with triads played in both hands; playing in duple and triple meter; practicing and playing simple melodies to develop left- and right-hand independence; playing simple accompaniments and duets; and experimenting with multiple examples of classical and contemporary piano repertoire.

Piano II **Grade Level**: 9-12

Code: MUS304 **GF** **Course Length**: 36 Weeks

Major Concepts/Content: The piano II course is designed to further develop students' music and keyboard skills. The content includes, but is not limited to, refining listening skills, and reading and writing notation in bass and treble clefs; reading, writing, and playing more complex rhythm concepts and patterns, constructing major and minor scales with arpeggiated triads and dominant seventh chords played in both hands; playing in varied examples of duple and triple meter; playing technically advanced melodies to enhance left- and right-hand independence, playing varied accompaniment styles and duets; and experimenting with more complex examples of classical and contemporary piano repertoire.

Presentation Software **Grade Level**: 9-12

Code: PTI304 **Course Length**: 18 weeks

Major Concepts/Content: Students will have the opportunity to develop professional level skills in presentation software. Major objectives include: basic knowledge of operating systems, analyzing solutions, creating a presentation by managing and delivering presentations, and working with data from other resources.

Printmaking **Grade Level**: 9-12

Code: ARK401S **GF** **Course Length**: 18-36 weeks

Major Concepts/Content: The printmaking course is designed to offer students the opportunity to apply the fundamentals of art to various printmaking processes including relief (linoleum and woodcuts), stencil (paper and silkscreen, lithography, intaglio (etching and engraving), and calligraphic printing. Students gain knowledge of the materials and equipment that are unique to printmaking.

Publication Software (e-Publish) **Grade Level**: 9-12

Code: PTI308 **GC/GV** **Course Length**: 36 weeks

Major Concepts/Contents: Publication Software Applications is a course designed for students with an interest in desktop publishing. This course will prepare the student for the InDesign Certification Exam as well as provide training in the software for personal use, employment, and advanced education. Students will use modules to learn the Adobe InDesign software application and create projects. The publication modules include but are not limited to the following options:

- Basic Graphic and Layout Designs
- Graphic and Layout Design
- Imaging Process
- Creating Publications

Show Choir **Grade Level:** 9-12
Code: MUV303 **GF** **Course Length**: 18 weeks
Major Concepts/Content: The show choir course is designed to provide students vocal jazz competencies and experiences. The content includes, but is not limited to, the following concepts: sight-reading music notation vocally singing three- and four-part music, practicing and using vocal improvisation, using back-up accompaniment and ensemble tone color/quality, performing in public performances and musical productions, interpreting contemporary vocal music scores, studying of melodic, rhythmic, and harmonic structure in vocal jazz and popular choral music, studying intonation, singing a cappella, singing with instrumental accompaniment, and creating and performing appropriate choreography. Auditions are required prior to entry into the class.

Speech **Grade Level:** 9-12
Code: LAS401S **EL** **Course Length:** 18 Weeks
Major Concepts/Content: The speech course is designed to prepare students to create speeches that reflect careful thought in planning, organization, and delivery. The content includes, but is not limited to, identifying the purpose and audience for the speech; selecting the general topic and refining to a specific topic; making a statement of the thesis; selecting appropriate resources and information; outlining; creating a bibliography; selecting main points and supporting information; preparing the appropriate visual aids; modifying information for a particular audience; writing introductions and conclusions; using appropriate delivery techniques; evaluating delivery, content, and pattern of organization using specified guidelines; delivering oral or written critiques; and evaluating a speech according to established criteria.

Spreadsheet Software Applications **Grade Level:** 9-12
Code: BCB306 **GC/GV** **Course Length:** 36 weeks
Preparation: Keyboarding, Computer Applications
Major Concepts/Content: Spreadsheet Software Applications provides students with the opportunity to develop professional level skills in spreadsheet software.

Target Sports **Grade Level:**
Code: PEG406S GP **Course Length**: 18 Weeks
Major Concepts/Content: This semester or year long course is designed to enable students in grades ten through twelve to continue to develop the movement skills and conceptual knowledge in sports and physical activities of the student's choosing. The course focuses on one category of sport or activity, teaching and improving the motor skills and tactical knowledge unique to that category of physical activity, which may include individual non-competitive activities.

Video Communications I-III **Grade Level:** 9-12
Code: PTV301 **GC/GV** **Course Length:** 36 weeks
Major Concepts/Content: The Video Communications I course for students in grades 9 through 12 is designed to introduce students to the concepts and equipment related to video production. Through a hands-on, project oriented approach, students will apply knowledge on filming, composition, linear/non-linear insert editing, lighting, storyboarding, audio and computer graphics/effects in order to communicate effectively using the video communication medium. The Video Communications Seminar course II will expand on the student's ability to apply concepts and skills learned in the first two courses. Students will continue to refine their video production skills while completing video communication projects at a quality level consistent with post secondary programs or entry level in the career field. Students will construct studio and/or on-site editing situations and assist others with the application of video communication concepts. The Video Communication III course expands on the student's application of skills developed in the first two courses. Students will use the project-oriented approach to refine their video production techniques while exploring concepts related to, but not limited to, studio production, on-site editing, video switching, lighting, scriptwriting, computer graphics, interview techniques, and computer based digital video processing.

Visual Basic (VB) Programming I **Grade Level**: 9-12
Code: PTP307 **GC/GV** **Course Length**: 18 weeks
Major Concepts/Content: Programming in Visual BASIC I is a one-semester course that will use the Visual BASIC Language. The emphasis of this course is to write computer programs to solve complex problems.

Visual Basic Programming II **Grade Level**: 9-12
Code: PTP308 **GC/GV** **Course Length**: 18 weeks
Major Concepts/Content: Programming in Visual BASIC II is a one-semester course designed to be a continuation of Visual BASIC I. The emphasis of this course is to write computer programs to solve complex problems.

Web Design **Grade Level:** 9 - 12

Code: PTI407 **GC /GV** **Course Length:** 36 weeks

Preparation: Keyboarding

Major Concepts/Content: In Web Site Development & Management, students will design, implement, and manage a web site. This is a hands-on laboratory course designed to teach students the concepts, skills and processes involved in web site development and management.

Welding I, II **Grade Level:** 9-12

Code: PTS301 **GV** **Course Length:** 18 weeks

Major Concepts/Content: The welding course is designed to teach current welding practices with emphasis given to shop experience rather than to formal classroom theory. Exercises allow students to achieve proficiency in the basic welding methods of arc welding, oxyacetylene welding, and cutting. Students learn the basic equipment, welding positions, and joint design.

Word Processing Software Applications **Grade Level:** 9-12

Code: BCB303 **GC/GV** **Course Length:** 18 weeks

Preparation: Keyboarding, Computer Applications

Major Concepts/Content: Word Processing Software Applications provides students with the opportunity to develop professional level skills in word processing software.

Yearbook Production **Grade Level:** 9-12

Code: AAY301 **EL** **Course Length:** 36 weeks

Preparation: By Application/Interview Process Only

Major Concepts/Content: The yearbook production course is a practical course designed to produce the official yearbook for the school. All phases of yearbook production, including photography, copy writing, page layout, and book and advertisement sales are included. The concept of accurate photojournalism is balanced with the need to present the events, activities, and personalities of the school year in a positive manner.

Kubasaki High School Course Listings 2010-2011

LANGUAGE ARTS

LAE301	**Language Arts 9**
LAE401	**Language Arts 10**
LAE501	**Language Arts 11**
LAE601	**Language Arts 12**
LAL613	**AP Literature**
LAC614	**AP Language**

HONORS CLASSES

LAE371& SSW371
Hon.Lit-WrldHistory 9
LAE471& SSW471
Hon.Lit-WrldHistory 10

SCIENCE

SCZ302	**Earth Science**
SCC501	**Chemistry**
SCZ401	**Environ. Science**
SCX401	**Human Anatomy**
SCZ602	**Marine Biology**
SCP501	**Physics**
SCP302	**Physics Application**
SCB612	**AP Biology***
SCC612	**AP Chemistry**
SCZ611	**AP Environ. Science***
SCP612	**AP Physics***

HEALTH/Semester

HLH301	**Health Education**

PE/Semester

PEF301	**Personal Fitness**
PEL301	**Lifetime Sports**
PEN301	**PE- Activities**

PE-ELECTIVES/Semester

PEG403	**Conditioning**
PEG406S	**Target Sport**

❒

FINE ARTS /YEAR

MUI301	**Beginning Band**
MUI302	**Intermediate Band**
MUI303	**Advance Band**
MUV301	**Beginning Chorus**
MUV302	**Advance Chorus**
MUS301	**Guitar I**
MUS302	**Guitar 2**
MUV303	**Show Choir**
DRA301	**Drama**
ARS401	**Studio Art**
MUS303	**Piano 1**
MUS304	**Piano 2**

ELECTIVES /YEAR

AAY301	**Year book**
LAJ401	**Journalism**

ELECTIVES /Semester

❒ PPS401	**College Entrance Prep**

MATH

MAA301	**Algebra I**
MAG401	**Geometry**
MAA401	**Algebra II**
MAZ501	**Discrete Math**
MAD501	**Math Analysis/PreCalc**
MAZ611	**AP Statistics***
MAC612	**AP Calculus AB***

SOCIAL STUDIES /YEAR

SSW401	**World History**
SSW301	**World History: Civilization**
SSU501	**US History**
SSU611	**AP US History***
SSG612	**AP US Government***

SOCIAL STUDIES/Semester

SSP501	**Psychology**
SSS401	**Sociology**
SSZ303	**Street Law**
SSG601	**US Government**
SSZ501	**Contemporary Issues**

FINE ARTS /Semester

MUC301	**Computer Music**
ARA301S	**Fundamentals of Art**
ARE401S	**Ceramics**
ARP401S	**Painting**
ARW401S	**Drawing**
ARH401S	**Digital Photo**
ARK401S	**Printmaking**

PTS /Semester

PTI301	**Computer Applications**
PTI305S	**Database Application**
PTZ304	**Family Consumer Science**
PTI405S	**Interactive Media**
PTI304	**Presentation Software**
PTI306S	**Spread Sheet Application**
PTP307	**Visual Basics Program 1**
PTP308	**Visual Basics Program 2**
PT14075	**Website Development**
PTI303	**Word Process Software**
PTI308	**Publication Software**

PTS /YEAR

PTE405	**Applied Architecture Design**
PTE305	**Architectural Drawing**
PTT302	**Auto Tech**
PTW501	**Career Practicum 1hr**
PTW502	**Career Practicum 2hr**
PTI501	**Cisco 1 Networking**
PTI601	**Cisco 2 Networking**
PTI409	**Computer Animation**
PTI309	**Computer Service & Support**
PTF401	**Culinary Arts 1 (2hr)**
PTF402	**Culinary Arts 2 (2hr)**
PTF403	**Culinary Arts 3 (2hr)**
PTE603	**Engineer Design & Dev.**
PTE501	**Engineer Design & Tech. 1**
PTE601	**Engineer Design & Tech. 2**
PTE303	**Engineer Drawing-CAD**
PTE302	**Industrial Production**
PTL401	**Lodging 1**
PTL501	**Lodging 2 (2 hr.)**
VEM301	**Marine JROTC 1**
VEM401	**Marine JROTC 2**
VEM501	**Marine JROTC 3**
VEM601	**Marine JROTC 4**
PTV301	**Video Communications 1**
PTV401	**Video Communications 2**
PTV501	**Video Communications 3**
PTI407	**Website Development**
PTT301	**Welding**

FOREIGN LANGUAGE

FLC301	**Chinese 1**
FLC401	**Chinese 2**
FLC501	**Chinese 3**
FLC501	**Chinese 4**
FLF301	**French 1**
FLF401	**French 2**
FLF501	**French 3**
FLF601	**French 4**
FLF602	**French 5**
FLJ301	**Japanese 1**
FLJ401	**Japanese 2**
FLJ501	**Japanese 3**
FLJ601	**Japanese 4**
FLJ602	**Japanese 5**
FLS301	**Spanish 1**
FLS401	**Spanish 2**
FLS501	**Spanish 3**
FLS601	**Spanish 4**
FLS602	**Spanish 5**
FLJ614	**AP Japanese**