

2017-2018
Upper School Course Catalog

Mission Statement

Maryvale, a Catholic independent girls' school serving grades six through 12, affiliated with the Sisters of Notre Dame de Namur, provides an environment in which each student can reach her academic, spiritual, physical and civic potential in a loving, supportive and diverse community. Building upon its unique and special heritage, Maryvale's mission is to provide an exceptional education that responds to change and prepares young women for life.

Upper School Academic Leadership Team

President: Tracey H. Ford
Upper School Head: Victor Shin
School Counselor: Kalea Selmon
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OVERVIEW

This catalog is designed to aid Maryvale Upper School students in selecting classes for the next school year. It is published at time of registration to assist students in selection of classes required for graduation. Classes are listed by department.

All information published in this catalog is subject to change. A minimum enrollment of **10 students is usually required** before a course can be considered a permanent part of the curriculum for the next school year. Students are reminded of the complex nature of a master schedule and the difficulties associated with changing courses after the master schedule has been constructed. A considerable amount of reflection and study should precede each student's selection of classes.

Unless there is an irresolvable conflict in the choice of courses, which should only occur in a very small percentage of situations, classes chosen by students at the time of pre-registration will become their official schedule for the upcoming year.

Requests for schedule changes made after pre-registration will be subject to a \$35 course change fee.

In accordance with our philosophy, the following objectives are set forth for the academic program. Maryvale:

- Encourages integrity, resourcefulness and responsibility to foster personal growth;
- Maintains its small class size to enable students to learn and develop skills in a cooperative environment;
- Emphasizes pride, loyalty and friendship in an atmosphere of mutual respect among students, peers, faculty and administration;
- Challenges students with the excitement of learning and instills pride in academic success; and
- Provides individual academic guidance through the advisory program.

The academic program aims to prepare students for further education. It is necessary to be aware of course content and graduation requirements before students choose their courses. After reading this booklet in its entirety, each student should:

- Review with her advisor the credits that she has previously earned to ensure graduation requirements are met;
- Give careful thought to her educational interests and goals in choosing courses, with the understanding that Maryvale's administration will take her choices seriously;
- Take elective courses that will be both interesting and challenging, but also meet her educational needs.

CREDITS REQUIRED FOR GRADUATION

English	4
Fine Arts	1
Mathematics	4
Physical Education	1 (0.5 PE/0.5 Wellness)
Social Studies	3.5
Science	3
Theology	4
World Language	3*
Electives	2.5-4.5
Total for Graduation	26-28

*At minimum, students must reach level III of their World Language class.

HONORS AND ADVANCED PLACEMENT COURSES

Honors courses are offered to qualified students in Art, English, Mathematics, Science, Social Studies and World Languages. Each course offers intensive, in-depth study of the subject matter.

Advanced Placement courses in Art, English, Mathematics, Science, Social Studies and World Languages are offered to qualified students, allowing them to pursue the study of selected subjects at the college level. Upon completion of these courses, students are required to take the AP Exam administered by the Educational Testing Service. The fee for the examination is published yearly by the testing service and is indicated on the student's semester tuition bill. A grade of 4 or 5 on this exam usually results in college credit or placement in a higher level class freshman year.

In choosing AP courses, the specific requirements are listed for each course by subject. All students are expected to sit for the AP exam(s) in May. The AP exam fee, which is subject to change, is set at \$93. Students and parents should be aware of and committed to this fee prior to registering for an AP course. It will be collected in early spring by the testing coordinator.

ADVANCED PLACEMENT COURSES

Maryvale Preparatory School offers sixteen Advanced Placement courses, approved by the College Board. These classes are designed for students who can successfully complete a college-level course.

Biology	English Language and Composition	Studio Art
Calculus AB	English Literature and Composition	Statistics
Calculus BC	French Language and Culture	US Government and Politics
Chemistry	Physics I	US History
Computer Science A	Spanish Language and Culture	World History
Economics		

COURSE OFFERINGS BY DEPARTMENT

ENGLISH

All students are required to fulfill a four-year sequence of classes in English. The department offers differentiated levels of instruction and a range of electives. Prerequisites are listed after each course.

ENGLISH 9

Credit: 1

Course #140

Students will develop and extend their skills in the areas of grammar, usage and mechanics. Emphasis in the first semester will be on developing writing skills. Literary resource materials will include fiction and drama. Strategies for standardized tests will be included in the course. In the second semester, students will focus on improving reading comprehension through literature circles. A research project will be a major activity.

ENGLISH 9 (ACCELERATED)

Credit: 1

Course #141

Students will develop and extend their skills in the areas of vocabulary, grammar, reading, formal and informal writing, speaking, and attentive listening. Literary resource materials will include short stories, drama, poetry and novels. Test-taking strategies will include reading comprehension, sentence improvement and vocabulary. A research project will be a major activity.

Prerequisites: Minimum of 88% in English 8 and minimum 80th percentile on HSPT Reading and Language section.

ENGLISH 9 (HONORS)

Credit: 1

Course #142

This course emphasizes the importance of reading challenging material and of writing effectively. Students will identify, study and analyze elements of several literary genres. Students will develop critical thinking skills. In the second semester students conduct independent literature circles under the guidance of the instructor. Each student will develop a literary research project based on an original thesis. Outside reading and writing projects will be completed each quarter.

Prerequisites: Minimum of 88% in English 8 and minimum 90th percentile on HSPT Reading and Language sections.

ENGLISH 10

Credit: 1

Course #150

Students will read representative works of British poetry and prose from the Anglo-Saxon period to the present. This course is a chance to explore the ideas, philosophies and cultures from bygone eras. Polishing research techniques, grammar, and intense review for the PSAT and SAT are also stressed. A literary research paper will be completed with particular attention to process and MLA format.

ENGLISH 10 (ACCELERATED)

Credit: 1

Course #151

Students focus on the prose and poetry of Britain from the Anglo-Saxon period to the 20th century. Research, critical thinking and analysis are the core of the oral and written program. Critical reading skills such as paraphrase and inference inform the study of literature and assist students in their PSAT and SAT preparation. A literary research paper will be completed with particular attention to process and MLA format.

Prerequisites: Minimum of 88% in English 9 (Accelerated) and current teacher recommendation

ENGLISH 10 (HONORS)

Credit: 1

Course #152

Honors students will conduct an in-depth study of major works of British literature. Emphasis is placed on close reading of text and careful consideration of scholarship relevant to the text. Students are required to compose mature, analytical essays. Throughout the course, students will study critical reading strategies, vocabulary, and

usage as preparation for the PSAT and SAT. Outside reading and writing projects will be completed each quarter. Each student will develop a literary research project utilizing numerous critical sources.

Prerequisites: Minimum of 88% in English 9 (Honors) and current teacher recommendation

ENGLISH 11

Credit: 1

Course #160

Students will read representative works of American prose, poetry and drama from the Colonial period to the mid-20th century. Research process, reading comprehension, critical thinking and analysis are the core of the written and oral programs. SAT preparation is incorporated into the vocabulary and reading programs.

ENGLISH 11 (ACCELERATED)

Credit: 1

Course #161

Students focus on American prose, poetry and drama from the Colonial period to the mid-20th century. Independent research process, critical thinking and analysis and the in-depth examination of works of literature are the core of the written and oral program. SAT preparation is incorporated in the vocabulary and reading program.

Prerequisites: Minimum of 88% in English 10 (Accelerated) and current teacher recommendation

ENGLISH 11 (HONORS)

Credit: 1

Course #162

Students focus on in-depth reading of major American prose, poetry and drama. Emphasis is placed on close reading of text and consideration of scholarship relating to the text. Students are expected to take part in class discussions that incorporate an awareness of literary, historical and philosophical facets of American writing. SAT preparation is achieved through the vocabulary and reading program. Students will produce a major research paper on a significant topic in American literature, focusing on process and analysis.

Prerequisites: Minimum of 88% in English 10 (Honors) and current teacher recommendation

ENGLISH LANGUAGE AND COMPOSITION (AP)

Credit: 1

Course #163

This is a college-level class designed to improve students' critical reading and expository writing skills, preparing them for the AP English Language and Composition Examination in May. Focusing on non-fiction discourse and imaginative writing, AP Language and Composition introduces students to concepts in semantics, linguistics and rhetoric and continues their engagement with literary analysis.

Course Fee: see page 5

Prerequisites: Minimum of 600 on PSAT ERW; minimum of 90% in English 10 (Honors); and current teacher recommendation; AP timed writing essay may also be considered

ENGLISH GRADE 12

Credit: 1

Course #170

World literature from ancient times to the present provides the focus of this course. Students study poetry, fiction and drama from both western and non-western cultures, including those of France, England, Czech Republic, Germany, Nigeria, and Japan. Writing skills are sharpened through a great deal of practice with formal and informal writing. Students will complete two major research essays during the year.

ENGLISH GRADE 12 (ACCELERATED)

Credit: 1

Course #171

World literature opens the door to the appreciation of other cultures in this course. Students study literary works translated from Ancient Greek, French, German, and Japanese as well as works originally composed in English. Cultures of Europe, Africa and Asia are highlighted in their literary contexts. Students learn to read closely and write analytically as solid preparation for doing collegiate academic work. Two literary research projects will be completed during the year.

Prerequisites: Minimum of 88% in English 11 (Accelerated) and current teacher recommendation

ENGLISH GRADE 12 (HONORS)

Credit: 1

Course #172

In this course in World Literature, students study writings from Europe, Africa, the Middle East and Asia, including poetry, fiction and drama. The course emphasizes collegiate-level skills in critical reading, analytical writing and MLA formatting. Students write two major research papers during the year; a thorough research process will be enforced, including thesis writing, outlining, rhetorical organization, quotation integration, concluding strategies and effective titling.

Prerequisites: Minimum of 88% in English 11 (Honors) and current teacher recommendation

ENGLISH LITERATURE AND COMPOSITION (AP)

Credit: 1

Course #173

In AP English, students read challenging literary works from the US and the UK and learn to analyze them effectively in writing. This course reviews principles of critical analysis of literature, exposition and argumentation. Through the study of individual works, students develop critical standards for independent appreciation of any literary work. Students also sharpen their awareness of language and usage.

Course Fee: See page 5

Prerequisites: Minimum of 600 on PSAT ERW; successful completion of the English Language and Composition (AP) course or minimum of 93% in English 11 (Honors); and current teacher recommendation; AP timed writing essay may also be considered.

ENGLISH SEMESTER ELECTIVES

CREATIVE WRITING – Grades 10-12

Credit: 0.5

Course #184

In this course, students will study the forms of poetry and short fiction, with emphasis on the use of figurative language. Through writing exercises, students will learn the craft of serious writing. The class will require students to read their own work to the group, to critique the works of others and to compile an original portfolio.

INTERNATIONAL FICTION – Grades 11 & 12

Credit: 0.5

Course #186

This course introduces students to a range of fiction from all over the world – anywhere but here. Studies address a wide range of styles, themes and contexts, emphasizing critical reading and writing skills. Analytical as well as creative writing assignments will be given. Authors studied may include Chinua Achebe, Italo Calvino, Nadine Gordimer, Alice Munro, Vladimir Nabokov and others.

ENGLISH YEAR-LONG ELECTIVES

JOURNALISM & DIGITAL PUBLICATION

Credit: 1

Course #192

Students enrolled in Journalism are pivotal to the composition, development and promotion of Maryvale's *Grey Towers*, the school's online newspaper, and *The Maryvale Muse*, the school's literary magazine. Throughout the course, students write objective and well-researched articles, compose editorials that incorporate the respectful use of written persuasion and argument, and conscientiously copy-edit their work and that of their peers. Learning experiences include assignments, lectures and readings about current trends in journalistic publication, the ever-shifting horizon of journalistic ethics and writing for different audiences. Students interested in the more creative facets of publication will be able to work on the literary magazine, manage submissions, function as editors, and publish their creative work as well as that of their peers.

YEARBOOK – Grades 10-12

Credit: 1

Course #185

Yearbook develops student skills in the fundamental principles of journalistic writing, editorials, themes, coverage and design as integral parts of the course. Students learn journalistic writing, design, photography and layout skills as well as gain proficiency in Edesign yearbook design software. Students apply these basic principles to publication of the student yearbook. Seniors may elect this year-long class.

Prerequisites: Successful completion or concurrent with Digital Photography I

FINE ARTS

PERFORMING ARTS – All courses are offered in Grades 9-12

CHORUS

Credit: 0.5 or 1

Course #440

Chorus performs a varied repertoire of music ranging from classical to contemporary genres. Students will gain knowledge and skills in vocal technique, musical analysis, collaboration and critical thinking. The Chorus performs at the annual winter and spring concerts and leads the sacred music at all Maryvale liturgies. Additionally, this ensemble may travel on music department tours. Students are encouraged to continue their participation in the Chorus throughout their time at Maryvale.

ENSEMBLE

Credit: 0.5 or 1

Course #441

The ensemble consists of various instruments. Students perform a wide repertoire of music ranging from classical to contemporary genres. Students will gain knowledge and skills in technique, musical analysis, collaboration and critical thinking. The Ensemble performs at the annual winter and spring concerts and travels on the annual music department tours. Students are encouraged to continue their participation in the Ensemble throughout their time at Maryvale.

PIANO

Credit: 0.5

Course #442

This course creates a comfortable environment for a beginning piano student. Students will learn basic skills needed for piano play through one-on-one assistance as well as group activities. Students gain confidence to move forward and develop good technique, in addition to consistent practice and performance skills. Throughout the course students learn piano history through a varied collection of repertoire.

DANCE

Credit: 0.5

Course #400

This course is set up to build dance skills, gain knowledge of various genres through the history of dance, and an understanding of how dance relates to the other arts, and the world. Throughout this course, students will learn basic steps, full routines, and how to prepare themselves for future auditions. The Maryvale Dance Program will benefit members of the theatre department by building their dance skills and strengthening Maryvale performances.

INTRODUCTION TO THEATRE I

Credit: 0.5

Course #470

This course explores the creative acting process by investigating the emotional, intellectual and kinesthetic resources central to performing. It examines the application of vocal and physical choices to develop characters. Analysis of texts and theory are taught through focused improvisation, movement exercises and monologue/scene study. Through stage-acting technique, Introduction to Theatre begins the process of developing self as a honed communication tool. Comfortable naturalism on stage is the goal as students explore their personal awareness, their awareness of others and their surroundings.

THEATRE II

Credit 0.5

Course #474

Building off the student's prerequisite knowledge in Intro to Theatre, this course allows the student to journey further in their study of theatrical performance. In this intensive course, students will continue their study of theatre through memorizing and performing monologues, duos and scenes. They will additionally focus their study of acting through intensive character development, improvisational skills, and other acting methods. Students will work independently and with others to create engaging and realistic scenes, while providing helpful feedback to their peers in a collaborative learning environment.

Prerequisites: Successful completion of Introduction to Theatre I

THEATRICAL TECHNICAL PRODUCTION

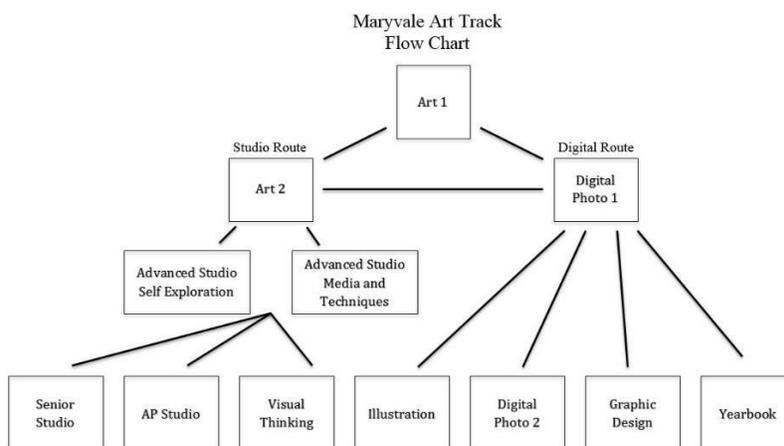
Credit: 0.5

Course #471

This course is an introduction to stage equipment, tools, materials and traditional methods of set construction and scene painting. It serves as an introduction to the terminology and techniques used in technical theatre. The course examines two-dimensional and three-dimensional scenery, the physical theater, stage and scene shop equipment, project organization and process, technical theater graphics, materials and theatrical construction techniques. Students in this course will be actively involved in Theatre Department productions and other assemblies and masses in the McCarthy Theater.

VISUAL ARTS

Students with a strong interest in Visual Art may wish to participate in Maryvale's Visual Art Track. Visual Art Track students are permitted to take a 2nd Art elective in 9th and 10th grades. Students accepted into the track will successfully complete 4 full credits of Visual Art courses and be awarded a certificate upon graduation.



ART I / ART FOUNDATIONS – Grades 9-12

Credit: 0.5

Course #480

Art I is a course that will enable students to gain an understanding of the value of art in their daily lives. Students learn fundamental skills in the creation of art. This course introduces students to creative problem solving as well as observational drawing skills. Students will acquire the visual vocabularies of art history and criticism. Learning how to give and receive constructive feedback also will be a component of the class. There is no need to purchase a text; students will use a classroom set of the text, "The Visual Experience." Students are required to keep a journal as well as visit a museum independently. This course satisfies half of the Fine Arts graduation requirement and provides a foundation for further specialized study in art. There is no prerequisite, however this class is a prerequisite for all other art courses.

Course Fee: \$75

ART II / INTERMEDIATE STUDIO – Grades 10-12

Credit: 0.5

Course #481

Art II builds on the experiences and skills taught in Art I. This course will strengthen students' observational skills through an emphasis on drawing from life and the creation of original art. Students have the opportunity to use a variety of media and solve artistic problems through assignments requiring unique and personal solutions. Emphasis will be placed on breadth of experiences via exposure to many types of art media and techniques. New media included in this course are conte crayon, pen and ink, colored pencil and charcoal. Artwork from this class will be the beginning of building a college portfolio. Art history, criticism and aesthetics are important components of the class. All students will keep a journal and be required to visit a museum independently.

Course Fee: \$50

Prerequisite: Minimum of 88% in Art I

ADVANCED STUDIO: TECHNIQUES AND MEDIA – Grades 10-12

Credit: 0.5

Course #482

Advanced Studio I is a studio course that builds upon Art I and Art II. This course continues to allow students to work with a broad range of media and techniques, including watercolor, oil painting and pastel. Projects that advance creative problem solving skills include personal still life, landscape and surrealism. Cultivation of personal style will be introduced. Contemporary trends in art as well as art history and criticism will be integrated through readings and class discussions. Students will create a digital portfolio of their work throughout the course of the year. Students will be required to visit a museum independently.

Course Fee: \$75

Prerequisites: Minimum of 88% in Art II or permission of the instructor

ADVANCED STUDIO: SELF-EXPLORATION - Grades 10-12

Credit: 0.5

Course #487

Advanced Studio for Self-Exploration allows students to work with a wide range of media and techniques and emphasizes working in a larger format. Portraiture and the creation of a series of related works are explored. Strong emphasis is placed upon artistic voice, experimentation and personal style. Contemporary trends in art as well as art history and criticism will continue to be integrated through readings and class discussions. Students create a digital portfolio of their work from throughout the year. Students will be required to visit a museum independently.

Course Fee: \$75

Prerequisites: Successful completion of Art I and Art II or permission of the Instructor

ELEMENTS OF VISUAL THINKING – Grades 11 & 12

Credit: 0.5

Course #485

“Visual Thinking” is designed to provide students with an upper-level course that fuels their understanding of contemporary art and its functions in modern society. As a cornerstone of the course, students will study many well-known contemporary artists and create artwork in the style of these artists. We will study painters, contemporary painters, photographers, installation artists, collage artists, and sculptors. By creating artwork in the style of another artist, students will be able to learn a variety of new visual thinking processes. By the end of this course, students will have grown their understanding of contemporary art and their ability to solve life’s problems visually. Formal as well as informal critiques and criticism of both student work and professional artwork will take place on a regular basis.

Course Fee: \$50

Prerequisites: Successful completion of Art I, Art II and one of the Advanced Studio Courses

ILLUSTRATION – Grades 11 & 12

Credit: 0.5

Course #488

“Illustration” is designed to provide students with an introduction to an Illustrators mindset using both physical drawing techniques and digital methods. Students will use a variety of painting and drawing materials in addition to Digital SLR Nikon and Cannon cameras, Wacom Tablets, Adobe Photoshop and Adobe Illustrator editing software. Students will wear different Illustrator hats including: Editorial Illustration, Advertising Illustration, personal illustration, and even Children’s book illustration. We will be inspired by famous illustrators throughout history as well as contemporary Illustrators living and working in today’s economy. Formal as well as informal critiques and criticism of both student work and professional illustration will take place on a regular basis.

Course Fee: \$75

Prerequisites: Successful completion of Art I and Digital Photography I or approval of instructor

DIGITAL PHOTOGRAPHY I – Grades 10-12

Credit: 0.5

Course #483

Digital Photography 1 is designed to provide students with an introduction to Digital Photography using Digital SLR Nikon and Cannon cameras and also Adobe Photoshop editing software. Students will learn about a

variety of photography processes including: Black and White photography, Manuel mode, Aperture Priority settings, and Photoshop manipulation assignments. Students will be inspired by famous Photographers throughout history as well as contemporary photographers living and working in today's economy. Formal as well as informal critiques and criticism of both student work and professional photography will take place on a regular basis.

Course Fee: \$50

Prerequisites: Successful completion of Art I with exception of Art Track student

DIGITAL PHOTOGRAPHY II – Grades 10-12

Credit: 0.5

Course #484

Digital Photography 2 builds on skills learned in Digital Photography 1 to advance the students' knowledge of Digital Photography and Adobe Photoshop. Students will use advanced photographic techniques to craft images for specific purposes. Lighting, camera settings and higher-level photographic techniques and editing are covered in this one-semester course. Students will learn to critique and inquire about contemporary photography as well as traditional photography processes. Formal as well as informal critiques and criticism of both student work and professional photography will take place on a regular basis.

Course Fee: \$50

Prerequisites: Successful completion of Digital Photography 1

GRAPHIC DESIGN AND DIGITAL MEDIA - Grades 10-12

Credit: 0.5

Course #486

“Graphic Design” is a course created to provide students with an introduction to the professional world of Graphic Design using the Adobe Editing Suite and modern design principles. Students will solve real-world design problems mirrored on the curriculum of a college level introduction to Graphic Design course. In addition to continuing their education in Adobe Photoshop, students will utilize other Adobe programs to create a variety of projects including: Rebranding a company, logo design, movie poster creation, and product photography. Formal as well as informal critiques and criticism of both student work and professional Graphic Design work will take place on a regular basis.

Course Fee: \$50

Prerequisites: Successful completion of Art 1 and Digital Photography 1

YEARBOOK – Grades 10-12

Credit: 1

Course #185

Yearbook develops student skills in the fundamental principles of journalistic writing, editorials, themes, coverage and design as integral parts of the course. Students learn journalistic writing, design, photography and layout skills as well as gain proficiency in Edesign yearbook design software. Students apply these basic principles to publication of the student yearbook. Seniors may elect this year-long class.

Prerequisites: Successful completion or concurrent with Digital Photography I

AP STUDIO ART – Grades 11 & 12

Credit: 1

Course #490

This course is designed for the student - with serious interest in art - who wishes to prepare a portfolio for submission to the College Board. In order to be admitted into the course, students must submit a written personal statement, complete an assigned summer art project and gain permission of the instructor. This course is designed for the student with a strong commitment to her work, self-motivation and plans to major or minor in art in college. Art is an ongoing process that engages the student in critical decision-making will be emphasized. Students are encouraged to become independent thinkers who contribute inventively to our culture. Students will demonstrate mastery in concepts, composition and techniques through the three components of an AP portfolio: quality, concentration and breadth. Students also will be expected to visit local museums and galleries independently.

Course Fee: \$50 and see page 5

Prerequisites: Admission Application and permission of the instructor

SENIOR STUDIO PORTFOLIO PREPARATION – Grade 12

Credit: 1

Course #491

This course is designed for the serious art student who wishes to prepare an art portfolio. In order to be admitted into the class, students must submit a written personal statement, complete an assigned summer art project and obtain permission of the instructor. Students will be encouraged to become independent thinkers who contribute inventively to our culture by making art. Art history and criticism are important components of the class. Students will be required to visit a museum independently.

Course Fee: \$50

Prerequisites: Art I, Art II and at least one other Art course or permission of the instructor

MATHEMATICS

Options for the Four-Year Mathematics Curriculum

	Freshman	Sophomore	Junior	Senior
<i>College Prep</i>	Algebra I	Geometry	Algebra II/Trig.	Introduction to Precalculus or Precalculus
<i>Accelerated Program I</i>	Algebra I	Geometry Acc.	Algebra II/Trig. Acc.	Pre-Calculus Acc.
<i>Accelerated Program II</i>	Geometry Acc.	Algebra II/Trig. Acc.	Pre-Calculus Acc.	Applied Calculus Accelerated
<i>Honors Program I</i>	Algebra I Honors	Geometry Honors	Algebra II/Trig. Honors	Pre-Calculus Honors
<i>Honors Program II</i>	Geometry Honors	Algebra II/Trig. Honors	Pre-Calculus Honors	AP Calculus

Note: Statistics courses can be taken concurrently with Pre-Calculus or Calculus courses given prerequisites have been met.

ALGEBRA I

Credit: 1

Course #240

This course reflects a traditional approach to algebra concepts. Key concepts are presented in a proven sequence that enables students to acquire important algebra skills and to reason mathematically. Topics include properties of equality, graphs, linear equations, absolute value, systems of equations, proportions and rational expressions, graphing and solving quadratic equations and radical expressions. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Teacher/department placement

ALGEBRA I (HONORS)

Credit: 1

Course #241

This course reflects a rigorous approach to algebra concepts. Key concepts are presented in a proven sequence that enables students to acquire important algebra skills and to reason mathematically. This course thoroughly covers all Algebra I topics. Topics include properties of equality, graphs, linear equations, absolute value and systems of equations, proportions and rational expressions, graphing and solving quadratic equations, radical expressions and right triangle trigonometry. Problem solving and critical thinking are emphasized. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Maryvale placement test is required for ninth graders, minimum 80th percentile on HSPT Math, and minimum of 85% in an eighth grade mathematics course.

ALGEBRA I COMPANION TO GEOMETRY

Credit: TBD

Course #243

This course is designed to help students understand the basic structure of Algebra 1 and acquire proficiency in applying algebraic concepts and skills. Topics include, but are not limited to, systems of equations and inequalities, quadratic functions, polynomials, factoring, solving quadratic equations and rational expressions. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Current teacher/department placement. Course is to be taken concurrently with a Geometry course.

GEOMETRY

Credit: 1

Course #250

This course covers the topics of plane geometry and solid geometry. Topics covered include plane and solid geometry including basic definitions; inductive and deductive reasoning; perpendicular and parallel lines and planes; congruent triangles; properties of triangles; quadrilaterals; transformations; similar polygons; topics of right triangles; area of polygons and circles; surface area of solids; and volume.

A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Incoming ninth graders will require successful completion of Algebra 1, and the Maryvale placement test is required. Rising tenth graders will need to have successfully completed Algebra 1.

GEOMETRY (ACCELERATED)

Credit: 1

Course #251

This course is designed for freshmen who successfully completed a full Algebra I course in eighth grade. The same topics as the 250 Geometry course are included; however, content is explored with greater intensity and emphasis on proof and analytical thinking. Standard content is explored with greater intensity and emphasis on proof and analytical thinking. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Rising tenth graders will need a minimum of 83% in Algebra 1 (Honors) or minimum of 93% in Algebra 1 and current teacher recommendation. Incoming ninth graders will need a minimum 80th percentile on HSPT Math, a minimum of 93% in Algebra 1, and the Maryvale placement test is required.

GEOMETRY (HONORS)

Credit: 1

Course #252

This course covers plane and solid geometry topics extensively at a fast pace. Logical reasoning and the preparation of proofs are emphasized. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Minimum of 93% in Algebra 1 (Honors) and current teacher recommendation. Incoming ninth graders will need a minimum 90th percentile on HSPT Math, minimum of 93% in Algebra 1, and the Maryvale placement test is required.

ALGEBRA II/TRIGONOMETRY

Credit: 1

Course #260

This course integrates algebra with other math topics as well as other academic disciplines. Topics of study are linear equations, inequalities, quadratic functions, polynomials and polynomial functions, powers, roots, radicals, exponential and logarithmic functions, rational functions and trig ratios. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Successful completion of Geometry

ALGEBRA II/TRIGONOMETRY (ACCELERATED)

Credit: 1

Course #261

This course is offered to sophomores in the accelerated track. Through a traditional approach to teaching algebra concepts, topics are presented in a proven sequence enabling students to acquire important algebra skills and to reason mathematically. Topics include real numbers, equations and inequalities, relations, functions, graphs, systems, polynomials, rationals, powers, roots, complex numbers, quadratics, transformations, coordinate geometry, higher degree polynomials, exponential and logarithmic functions and trigonometric functions. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Minimum 80th percentile on HSPT Math, minimum of 83% in Geometry (Accelerated) or minimum of 93% in Geometry, and current teacher recommendation.

ALGEBRA II/TRIGONOMETRY (HONORS)

Credit: 1

Course #262

This course is a rigorous study of Algebra II and trigonometric topics at a rapid pace. Topics include inequalities, linear functions, polynomials, rational expressions, irrational and complex numbers, quadratic functions, conics, exponential and logarithmic functions, right triangle trigonometry, circular trigonometry, identities and graphs and matrices. Problem solving and critical thinking are emphasized for all topics. A TI-83 Plus or a TI-84 calculator is required.

Prerequisites: Minimum 85th percentile on HSPT Math, minimum of 83% in Geometry (Honors) or minimum of 93% in Geometry (Accelerated), current teacher recommendation and departmental approval.

INTRODUCTION TO PRE-CALCULUS

Credit: 1

Course #263

This college preparatory level course builds off the foundations of Algebra II and the study of parent functions to their applications within Pre-Calculus. In depth topics include linear, quadratic, cubic, exponential, logarithmic, rational and trigonometric functions, along with right triangle trigonometry. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Teacher/department placement

PRE-CALCULUS

Credit: 1

Course #264

This college preparatory level course begins with the study of real numbers and their properties; exponents and radicals; polynomials and factoring; rational expressions; and polynomial and rational inequalities. Students build on this foundation by studying polynomial, rational, exponential and logarithmic functions; right triangle trigonometry; circular trigonometry; graphing of trigonometric functions; inverse functions; and conic sections. A TI-83 Plus or a TI-84 calculator is required.

Prerequisites: Minimum of 83% in Algebra II/Trigonometry, current teacher recommendation and departmental approval

PRE-CALCULUS (ACCELERATED)

Credit: 1

Course #266

This course builds a strong foundation for the student pursuing mathematics in college. The comprehensive text presentation invites discovery and exploration, while technology and consistent problem-solving strategies help the student develop strong skills in pre-calculus. Topics include functions and graphs; polynomial and rational functions; exponential and logarithmic functions; further development of trigonometric functions as well as analytical trigonometry; systems of equations; sequences and series; and topics in analytic geometry and conics. Emphasis is on problem solving and applications using technology. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Minimum of 83% in Algebra II/Trigonometry (Accelerated) or minimum of 93% in Algebra II/Trig, current teacher recommendation and departmental approval

PRE-CALCULUS (HONORS)

Credit: 1

Course #267

This course is a rigorous study of pre-calculus topics at a rapid pace. Topics include functions and their graphs; polynomial and rational expressions; exponential and logarithmic functions; trigonometric functions; analytic trigonometry; additional topics in trigonometry; sequences; series; conics; limits; and an introduction to Calculus. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Minimum of 83% in Algebra II/Trig (Honors) or minimum of 93% in Algebra II/Trig (Accelerated), current teacher recommendation and departmental approval

APPLIED CALCULUS (ACCELERATED) – Grade 12

Credit: 1

Course #270

This is a college-level course in Calculus with an emphasis on applications in business, economic, social and life sciences. The core concepts of calculus are introduced in applied settings using the concept commonly known as “the Rule of Three” (numerical, graphical and algebraic). The graphing calculator is a tool: nowhere does technology overshadow mathematics. Topics include functions, derivatives, the definite integral and their

applications. A TI-83 Plus/TI-84 calculator is required. At the direction of the teacher, the calculator is used extensively throughout the course to enhance learning.

Prerequisites: Minimum of 93% in Pre-Calculus or 83% in Pre-Calculus (Accelerated), current teacher recommendation and departmental approval

STATISTICS – Grades 11 & 12

Credit: 1

Course #271

This course provides an introduction to descriptive and inferential statistics. Topics include frequency distributions; design and interpretation of statistical graphs; quantitative measurement methods for data tendency and variability; probability distributions and their application; confidence intervals; and sampling theory and techniques. The topics of estimation methods, regression methods and correlation analysis are surveyed. Besides knowledge of basic arithmetic skills, students must demonstrate ability to solve algebraic equations in one unknown using a combination of addition, subtraction, multiplication and division properties of equivalent equations, and to solve formulas for specified symbols. The student must demonstrate ability to develop and solve algebraic expressions and linear equations in one or two unknowns from the context of applied verbal problems and to sketch the graph of a linear equation in two unknowns. Students will take advantage of the statistical capabilities of the TI-83/84 calculator. A TI-83 Plus/TI-84 calculator is required.

Prerequisites: Minimum of 77% or concurrent with Algebra II (any level), current teacher recommendation and departmental approval

CALCULUS AB (AP) – Grades 11 & 12

Credit: 1

Course #280

Advanced Placement Calculus AB is a full-year course intended for talented math students who have completed Honors Geometry, Honors Algebra II/Trigonometry and Honors Pre-Calculus. In this course, students study the applications of functions and graphs, limits and continuity, differential calculus and integral calculus. Students must have a TI-83 Plus/TI-84 calculator.

Course Fee: See page 5

Prerequisites: Minimum of 83% in Pre-Calculus (Honors), current teacher recommendation and departmental approval

CALCULUS BC (AP) – Grade 12

Credit: 1

Course #284

Advanced Placement Calculus BC is a full-year course intended for talented math students who have completed AP Calculus AB. In this course, students study the applications of functions, graphs, limits and continuity, differential calculus, integral calculus, and polynomial approximations and series. Students must have a TI-83 Plus/TI-84 calculator.

Course Fee: See page 5

Prerequisites: Minimum of 83% in Calculus AB (AP), current teacher recommendation and departmental approval

STATISTICS (AP) – Grades 11 & 12

Credit: 1

Course #281

This is an advanced placement course in Statistics that provides students with the major concepts and tools for collecting, analyzing and drawing conclusions from data. Topics include those covered in the college-prep statistics course and focus on four board conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. Students must have a TI-83 Plus/TI-84 calculator.

Course Fee: See page 5

Prerequisites: Minimum of 93% in Algebra II/Trig (Accelerated) or 83% in Algebra II/Trig (Honors) and are enrolled in or have completed a Pre-Calculus (Accelerated or Honors) course. Departmental approval is required.

PHYSICAL EDUCATION

PHYSICAL EDUCATION – Grades 9-12

Credit: 0.5 Course #840

Rules and skills are taught as part of the Physical Education program for the following sports and activities:

Badminton	Basketball	Bowling	Cooperative Games
Dance	Field Hockey	Floor Hockey	Lacrosse
Soccer	Softball	Strength Training	Volleyball

WELLNESS – Grades 9-12

Credit: 0.5

Course #850

This course addresses a wide range of health-related issues designed to introduce students to the many dimensions of Health and Wellness. Topics covered will include nutrition, fitness and weight management, alcohol, tobacco and drug abuse, sexual education, violence and injury prevention, stress and mental health. Current events involving health issues are also key topics of discussion. Our goals are to promote a healthy way of living and to educate these young women on how to care for themselves both physically and emotionally for a lifetime.

PHYSICAL EDUCATION ELECTIVES

STRENGTH AND CONDITIONING – Grades 11 & 12

Credit: 0.5 (First semester only)

Course #861

Strength and conditioning class was designed to provide each student with the knowledge needed to understand the importance of strength and fitness training. Free weights, exercise machines and conditioning activities will be incorporated to promote improvement in strength, endurance, balance, agility and speed. Students will understand the importance of setting goals for personal improvement and achievement, and will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle.

LIFETIME FITNESS – Grades 11 & 12

Credit: 0.5

Course #860

This course is designed to continue developing physically educated individuals who have the know-ledge, skill and confidence to enjoy a lifetime of healthful physical activity. Students explore a variety of options for improving and maintaining their individual fitness. The following sports and activities will be covered:

Aerobics	Badminton	Basketball	Bowling
Dance	Football	Frisbee	Games
Golf	Strength Training	Walking/Running	Volleyball

SCIENCE

BIOLOGY – Grade 9

Credit: 1

Course #640

This introductory lab course provides an overview of basic biological concepts and explores common themes that unite life on earth. This is done through inquiry-based labs, text reading, discussion, projects and presentations. The course begins with study of the characteristics of living things, cell structure, function and reproduction and then moves to larger-scale topics such as genetics, evolution and classification. Students also explore the domains of life and the kingdoms of the domain Eukarya.

BIOLOGY (ACCELERATED)

Credit: 1

Course #641

Topics covered are the same as those described for ninth grade Biology. However, content will be covered in greater depth and detail, and there will be a short research paper in the third quarter. Inquiry-based laboratory work is an important component of this course.

Prerequisites: Minimum of 83% in eighth grade Science, Minimum 70th percentile on HSPT Composite and/or departmental approval

BIOLOGY (HONORS)

Credit: 1

Course #642

The major instructional areas are the same as those described for ninth grade Biology. Content will be covered in greater depth and the final unit will investigate ecology and energy flow in natural systems. In addition to extensive laboratory work students are required to do an investigative research paper. This course uses a decidedly inquiry-based approach to scientific study and is highly recommended for students who wish to take AP Biology in the future.

Prerequisites: Minimum of 93% in eighth grade Science, Minimum 90th percentile on HSPT Composite and current teacher recommendation.

CHEMISTRY – Grade 10

Credit: 1

Course #650

This course is an introduction to the study of science dealing with materials in our world and the changes that these materials undergo. Students' critical thinking and problem-solving skills will be developed as they learn to integrate their math skills with scientific data, information and chemical concepts. Students will further develop scientific skills and processes to perform laboratory experiments and gain an appreciation of the importance of chemistry in our personal and professional lives. By understanding that chemistry is the basis for materials and processes that we encounter every day, students realize the importance of chemistry in making informed decisions about scientific issues in diverse topics such as health, the environment and commercial industry.

CHEMISTRY (ACCELERATED)

Credit: 1

Course #651

This course is an introduction to general chemistry. Students gain an understanding of the nature of materials in their environment and the composition, structure and changes matter undergoes. Understanding of how the diversity and complexity of our world can arise from so few ingredients will be acquired. The science of chemistry ranges from a thought-provoking academic subject to a tool for innovation in a rapidly changing society. Critical thinking skills will be cultivated in order to advance students' problem-solving capabilities and strategies. The knowledge and experiences of this course will be gained from observation, study, lecture, discussion, problem-solving activities and experimentation.

Prerequisites: Minimum of 83% in Biology, Geometry and current teacher recommendation.

CHEMISTRY (HONORS)

Credit: 1

Course #652

Students gain an understanding of the nature of materials in their environment and the composition, structure and changes that matter undergoes. Critical skills and challenging thinking will be applied to concepts in order to develop students' problem-solving strategies. Through study, observation, lecture, discussion, problem-solving activities and experimentation, students enrolled in Honors Chemistry will cover a greater volume of material at a faster pace and in a more independent manner than covered in Chemistry Accelerated.

Prerequisites: Minimum of 90% in Biology (Honors), minimum of 87% in Geometry (Honors) or 93% in Geometry and current teacher recommendation.

SCIENCE SEMESTER ELECTIVES

ENVIRONMENTAL SCIENCE – Grade 11 & 12

Credit: 0.5

Course #659

This course incorporates aspects of biology, ecology, chemistry, economics, and ethics in order to address and discuss critical environmental issues. Emphasis is placed on the physical, chemical, and biotic components of

Earth, and how they all work together, as well as the impact and responsibilities of humans on Earth's ecosystems. This course provides an overview of the major environmental topics shaping our world today.

Prerequisites: Successful completion of Biology and Chemistry

FORENSIC SCIENCE I – Grade 11 & 12

Credit: 0.5

Course #663

This course is an introduction to forensic analysis and focuses on the knowledge and methods of science used to help solve crimes. The course emphasizes that the process of investigating a crime scene depends on a wide variety of expertise and sources of evidence, and that most answers require careful observation of minute differences. The role of probability in interpreting the significance of evidence will also be studied. Students learn how the latest techniques in skeletal and visual anatomy can be used to determine age, ancestry, stature and physique and when and in what way death may have occurred. In addition, students will apply knowledge gained and critical-thinking skills learned in the course to find solutions of simulated crimes by analyzing clues and evidence.

FORENSIC SCIENCE II – Grade 11 & 12

Credit: 0.5

Course #653

This course continues to focus on additional knowledge and methods of science that can be used to help investigate and solve crimes. Students will learn about the use of DNA profiling technologies, visualization of latent fingerprints, forensic serology and other topics not covered in Forensic I. This course also explores how information on bones, insects and botany is used in calculation of post mortem intervals.

Prerequisites: Successful completion of Forensic Science I

INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY – Grade 11 & 12

Credit: 0.5

Course #664

This course focuses on the study of evolutionary biology of humankind based on information from the fossil record and the human skeleton, genetics of individuals and populations, our primate relatives, human adaptation and human behavior. Students learn basic evolutionary principles and develop an appreciation for the excitement of discovery in biological anthropology through both lecture and laboratory activities.

SCIENCE YEAR-LONG ELECTIVES

MARINE BIOLOGY – Grade 11 & 12

Credit: 1

Course #661

This lab-based course is intended for students of all levels who are motivated to learn more about the oceans of the world, the organisms that live in them and the issues concerning marine ecosystems. We begin with the history of marine studies, the physical features of the world oceans and the properties of seawater. Then, starting with the simplest microorganisms and progressing to the most complex marine birds and mammals, we investigate the evolution of life in the seas. Students end the year with a close look at marine ecology, focusing on the dynamics of ecosystems such as coral reefs and our own Chesapeake Bay.

ENVIRONMENTAL SCIENCE (HONORS) – Grade 11 & 12

Credit: 1

Course #658

Environmental Science incorporates aspects of biology, ecology, chemistry, economics and ethics in presenting an overview of critical environmental issues. Emphasis is placed on the physical, chemical and biotic components of Earth and how they all relate, as well as the impact and responsibilities of humans on the Earth's ecosystems. This course provides the foundation for making decisions shaping the future of our world.

Prerequisites: Successful completion of Biology and Chemistry and current teacher recommendation.

ANATOMY AND PHYSIOLOGY (HONORS) – Grade 11 & 12

Credit: 1

Course #660

This course is designed to provide a basic understanding of the anatomy and physiology of the human body. Major instructional themes include the exploration of the gross anatomy, microscopic structure, molecular interactions and functions of organs and tissues and cells of the following major body systems: integumentary, skeletal, muscular, nervous, endocrine, immune, circulatory, respiratory, digestive, urinary and reproductive.

Students will gain an appreciation for the importance of homeostatic balance and the integration of all body systems in order to maintain life. Dissection is a required part of this course. This course is highly recommended for students who wish to take AP Biology.

Prerequisites: Minimum of 85% in both Biology (Honors) and Chemistry (Honors) or minimum of 90% in Biology and Chemistry and current teacher recommendation.

PHYSICS – Grade 11 & 12

Credit: 1

Course #662

Physics is a fundamental science which explores the interactions between matter and energy that form the base principles of the other sciences. This course is a math-based, high-level subject designed for students who take an interest in how the world works. The objective is to motivate students to explain why natural phenomena occur and to have a greater awareness of the physical world. Most of these explanations will require analytical thinking. This course challenges students to think critically about problems and test their hypotheses through a combination of mathematics and laboratory time, thus developing the students' problem-solving abilities.

Prerequisites: Minimum of 87% in Chemistry, currently enrolled in Algebra II/Trig, and current teacher recommendation.

PHYSICS (HONORS) – Grade 11 & 12

Credit: 1

Course #666

Physics is a fundamental science which explores the interactions between matter and energy that form the base principles of the other sciences. This course is a math-based, high-level subject designed for students who plan on a career in science, math or engineering. The objective of this course is to motivate students to explain why natural phenomena occur and have a greater awareness of the physical world. Most of these will require analytical thinking and mathematical equations to explain in a qualitative and quantitative fashion. This course challenged students to think critically about problems and test their hypotheses through a combination of mathematics and laboratory time, to develop problem-solving abilities. This course requires an extensive knowledge of mathematics, including trigonometry, and introduces calculus as a means to explain physical theories.

Prerequisites: Minimum of 90% in Chemistry, minimum of 90% in Algebra II/Trig, currently enrolled in Pre-Calculus, and current teacher recommendation.

PHYSICS 1 (AP) – Grade 11 & 12

Credit: 1

Course #672

This AP course is equivalent to a first-semester algebra-based physics course. The course covers Newtonian mechanics (including linear and rotational dynamics and momentum); work, energy and power; and, mechanical and sound waves. It also introduces electric circuits and theory. This course promotes student learning of essential physics content and fosters development of deep conceptual understanding through inquiry-based instruction and labs. These science principles enable students to make predictions of natural phenomena, develop and refine testable explanations and use established lines of evidence and reasoning to support results.

Course fee: see page 5

Prerequisites: Minimum of 90% in Chemistry, minimum of 90% in Pre-Calculus and current teacher recommendation.

BIOLOGY (AP) – Grade 12

Credit: 1

Course #670

This AP course is the equivalent to a first-semester college course in biology and is designed for students to obtain college credit and/or advanced placement in college by examination. Students will develop a conceptual framework for modern biology and gain experience and appreciation of biology through inquiry-based and student directed experimentation. Course content will include cell biology, microbiology, biochemistry, genetics and evolution, botany, animal physiology and ecology. This rigorous course includes formal lab reports and an investigative research paper.

Course Fee: See page 5

Prerequisites: Minimum of 87% in the following courses: Biology (Honors), Chemistry (Honors) and Anatomy and Physiology (Honors); and current teacher recommendation.

CHEMISTRY (AP) – Grade 11 & 12

Credit: 1

Course #671

This AP course is designed to be the equivalent of a general chemistry course taken at the college level and is an expansion on topics from chemistry classes taken in the tenth grade. Students enrolled in this course may obtain college credit and/or advanced placement in college by examination. A depth of understanding and competence will be attained, concerning the fundamentals of chemical topics and in dealing with chemical problems. Students' abilities to think clearly and logically and express ideas both orally and in writing will be developed. An emphasis will be placed on chemical calculations and the mathematical formulation of principles. The laboratory experience of the course is an essential component, which will include work time outside of scheduled class time.

Course Fee: see page 5

Prerequisites: Minimum of 87% in Chemistry (Honors), Algebra II/Trig (Honors) and current teacher recommendation.

SOCIAL STUDIES

RESEARCH IN GLOBAL STUDIES – Grade 9

Credit: 1

Course #740

In this course, students examine our own culture and acquire tools to understand others. Through interpretation of basic demographic data, students learn principles of economics, political science, anthropology and geography. They cultivate critical thinking and reading skills as they investigate global issues, including population and resource distribution, development, health, migration and labor. Each student has the opportunity to pursue her particular interest by researching and writing an analytical term paper.

RESEARCH IN GLOBAL STUDIES (ACCELERATED)

Credit: 1

Course #741

Accelerated Research in Global Studies is similar to the college preparatory course. The curriculum includes development of skills for inquiry through investigation of global issues.

Prerequisites: Minimum of 85% in Social Studies 8, minimum 80th percentile on HSPT Reading and Language and current teacher recommendation.

RESEARCH IN GLOBAL STUDIES (HONORS)

Credit: 1

Course #742

This course is similar to Accelerated Research in Global Studies. The curriculum is more intensive, requiring self-motivation and ability to work independently. Students are expected to follow news events on their own in preparation for class discussions.

Prerequisites: Minimum of 85% in Social Studies 8, minimum 90th percentile on HSPT Reading and Language and current teacher recommendation.

MODERN WORLD HISTORY: A GLOBAL PERSPECTIVE – Grade 10

Credit: 1

Course #750

In this course significant episodes from Western and non-Western history are investigated. Topics include the Middle Ages, Renaissance and Reformation, the age of European exploration/dominion and consequent impact on world cultures and the development of global networks of political, economic and social interdependence in the contemporary world. Students hone critical-thinking skills while developing a sense of chronology and an understanding of cause and effect. Geography application, cooperative and independent research projects, time management and organizational skills are emphasized. Current world issues will be discussed and analyzed.

MODERN WORLD HISTORY: A GLOBAL PERSPECTIVE (ACCELERATED)

Credit: 1

Course #751

The course description is the same as previous course; however, greater emphasis will be placed on independent

learning. Students will read more advanced materials and conduct research using primary sources in order to develop critical reading and writing skills.

Prerequisites: Minimum of 85% in Global Studies (Accelerated) or minimum of 88% in Global Studies, and current teacher recommendation

MODERN WORLD HISTORY: A GLOBAL PERSPECTIVE (HONORS)

Credit: 1

Course #752

The course description is the same as previous course. At the honors level, students will read challenging texts and primary sources as well as hone research techniques. Students enhance their critical reading and writing skills by conducting independent inquiry.

Prerequisites: Minimum of 88% Global Studies (Honors) or minimum of 93% in Global Studies, and current teacher recommendation

WORLD HISTORY (AP) Grades 10-12

Credit: 1

Course #753

This course offers an in-depth look at topics in world history spanning from ancient history to the modern day. Students will study both Western and non-Western history. This allows for a broad understanding of the interactions of various cultures throughout time and the ability to draw conclusions about how the past has shaped our world today.

Course Fee: See page 5

Prerequisites: Minimum of 93% in Global Studies (Honors), minimum 80th percentile on the PSAT ERW and current teacher recommendation

U.S. HISTORY – Grade 11

Credit: 1

Course #760

This is a survey of American history from approximately 1877 to the modern era. Major political, economic, social and diplomatic trends are examined. Outside readings and critical thinking skills will be emphasized through a variety of media and assignments.

U.S. HISTORY (ACCELERATED) – Grade 11

Credit: 1

Course #761

This course description is the same as previous course; however, more challenging individual work will be expected. An emphasis will be placed on application of knowledge and the analysis of both primary and secondary sources.

Prerequisites: Minimum of 80% in Modern World History (Honors) or minimum of 85% in Modern World History (Accelerated), minimum 60th percentile on the PSAT ERW and current teacher recommendation

U.S. HISTORY (HONORS) – Grade 11

Credit: 1

Course #762

The course description is the same as previous course; however, more emphasis will be placed on outside readings, individual learning, research skills and critical thinking skills.

Prerequisites: Minimum of 88% in both Global Studies (Honors) and Modern World History (Honors) or minimum of 93% in both Global Studies (Accelerated) and Modern World History (Accelerated), minimum 80th percentile on the PSAT ERW and current teacher recommendation

U.S. HISTORY (AP) – Grade 11

Credit: 1

Course #763

This course is designed to provide students with analytical skills, factual knowledge and writing abilities necessary to understand and critically analyze the political, economic and cultural events and problems in American history. This is a two-semester, college-level survey of United States History from pre-colonial times to the present day. This is a challenging class that is meant to be equivalent to a freshman college course and also will be accepted as the required junior-level U.S. History class.

Course Fee: See page 5

Prerequisites: Minimum of 93% in Global Studies and in Modern World History (Honors), minimum of 80th percentile on PSAT ERW scores and current teacher recommendation

AMERICAN GOVERNMENT – Grade 11 & 12

Credit: 0.5

Course #765

This course will provide students with a foundation in American government. Students examine the structure of the Constitution and its function as a framework for our government, laws, and political system. Landmark Supreme Court cases will be presented. Students will learn their rights and responsibilities as citizens in our democracy.

UNITED STATES GOVERNMENT & POLITICS (AP) – Grade 11 or 12

Credit: 1

Course #780

This course is designed to give students an analytical perspective in government and politics in the U.S. It requires familiarity with the various institutions, groups, beliefs and ideas of American government. Students will be able to analyze data, understand patterns of political processes and behavior and their consequences and critically analyze theories and concepts, applying them appropriately and developing connections across the curriculum.

Course Fee: See page 5

Prerequisites: Minimum of 88% in U.S. History (Honors), minimum 80th percentile ranking on the PSAT ERW and current teacher recommendation

SEMESTER ELECTIVES

AMERICAN WOMEN’S HISTORY – Grade 11 & 12

Credit 0.5

Course #777

This course examines the social and cultural history of women in America. We will focus on the daily experience of life in the United States during different historical periods and the contributions, both recognized and overlooked, of women in our past. A variety of primary and secondary sources will be used to develop a more inclusive study of America’s history.

THE HOLOCAUST – Grade 11 & 12

Credit: 0.5

Course #771

This half-credit course is an in-depth examination of the Holocaust, a seminal event in 20th century history. Topics of study include the political, social and economic causes of the Holocaust, the stages of action, foreign response and both short and long-term results. Students will be challenged to find meaning in and lessons from a terrible example of human cruelty. Readings and films will be utilized and will include survivor testimony and images from the concentration camps.

ECONOMICS – Grade 11 & 12

Credit: 0.5

Course #772

This course seeks to inform students of foundational micro- and macroeconomic concepts. Students will study two micro units: supply and demand and resource markets. Supply and demand examines how prices of goods and services are set in capitalist systems like America, whereas resource markets examine how wages and the value of resources used to make goods are set. Sections on business practices and banking are included. Students will also study two macro units: domestic analysis and international analysis. Domestic analysis examines the American GDP, employment, inflation, taxes, political spectrum and federal budget, among other topics, while the international analysis focuses on comparing living standards among nations, different economic systems, migration and trade. Students are responsible for ongoing, in-class assignments that engage these topics more critically, as well as unit quizzes and tests.

INTRODUCTION TO LAW – Grades 10-12

Credit: 0.5

Course #779

Introduction to Law is a one-semester course that provides an overview of the U.S. legal system. It is a general course that focuses on law and legal issues from the perspective of the social sciences. Using the text “Street Law” students will be introduced to topics such as constitutional law and the Supreme Court, criminal law, torts, products liability, consumer and administrative law, family law and immigration and refugee law. Guest speakers will supplement and enhance class lessons.

SOCIOLOGY – Grade 12

Credit: 0.5

Course #773

Do we shape our culture or does our culture shape us? What does it mean in a society to be male or female? How do societies evolve? Why can we develop a prejudice against those unlike ourselves? Does social class exist in the United States? These are some of the questions we consider in sociology, the systematic study of human interaction. In this one semester course, students explore fundamental principles and theories of sociology, culture, patterns of interaction, norms, social institutions, socialization and human development and social change. They will apply these concepts to social problems and daily experiences. Students will develop critical thinking skills to understand and evaluate how social structures mold their lives and affect the world around them. Sociology is excellent preparation for college reading and writing.

YEAR-LONG ELECTIVES

ECONOMICS (AP) – Grade 11 & 12

Credit 1.0

Course #778

This course prepares students for the AP Macroeconomics examination. Students will become well-versed in the economic way of analytical thinking. They will learn how to measure economic performance and will be able to explain monetary and fiscal policies in the real world. Students will also develop graphing skills necessary to examine economic theories and to analyze their impact upon the United States and the global economy. This course is designed to be equivalent to a freshman college course.

Course Fee: see page 5

Prerequisites: Current teacher recommendation

LEADERSHIP ELECTIVES

LEADERSHIP AND TECHNOLOGY PREP – Grade 9

Credit: 0.25

Course #776

This course is designed to empower Maryvale ninth grade students to be prepared for Upper School challenges. This course instructs students in organizational skills, study habits, test taking strategies, managing stress, goal setting and planning and time management strategies. In addition, students will reinforce and expand the fundamental skills needed for integrating technology in their academic course work. They will learn how to use various software applications in an educational setting. Students will understand the language of technology and enhance their skills through the creation of interdisciplinary projects. Students will also be introduced to research skills that include note taking, citing sources, plagiarism and ethical use of information. The curriculum will prepare students to successfully acclimate to the Upper School.

LEADERSHIP: ON A MISSION TO LEAD – Grade 11 & 12

Credit: 0.5

Course #774

Drawing from university models that use outside speakers to enhance classroom presentation, this class will combine self-evaluation tools, reading and research and engagement with community leaders and organizations to foster individual leadership and self-confidence in each student. Guest speakers, field trips to leaders' places of employment, project management, career coaching and interviewing, business etiquette, electronic footprints and other practical applications will be featured. Writing, public speaking, social media, strategic planning, team building, and presentations will be introduced. Every student will receive a Myers Briggs personality assessment to help her understand her preferences in leading and also how to lead individuals who have different strengths. Examination of workplace themes for women leaders will also be included.

Course Fee: \$50

TECHNOLOGY

INTRODUCTION TO COMPUTER PROGRAMMING – Grades 9-12

Credit: 0.5

Course #891

This course is an introduction to the theory and practice of computer programming. It is designed for students who have an interest in Computer Programming or as a stepping stone to taking AP Computer Science. Students will learn how to use different programming languages and environments to deconstruct and solve problems. Topics include looping, Boolean and game logic, data collection, object-oriented programming, and simulations. No previous computer programming experience is required.

ENGINEERING THROUGH ROBOTICS – Grades 9-12

Credit: 0.5

Course #883

This semester course introduces the basics of engineering through Robotics. Students are introduced to both the theory and practice of the development of hardware and the programming of robots to perform rudimentary tasks. Students will be expected to construct several functional robots that will be programmed to perform simple tasks as part of the course. Several projects are required throughout the course. Students investigate the concepts of robotics and its history through discussion, demonstration, readings and research.

COMPUTER SCIENCE A (AP) – Grade 11 or 12

Credit: 1

Course #282

This is a programming course. The purpose of this course is to introduce students to the major concepts and tools for problem solving in a computer science environment. A large part of the course is built around development of computer programs or parts of programs that correctly solve a given problem. The course emphasizes design issues that make programs understandable, adaptable and, when appropriate, reusable. At the same time, students focus on development and analysis of algorithms, development and use of fundamental data structures and study of standard algorithms and typical applications. It is not expected that all students in AP Programming will major in computer science at the university level. This is an introductory course for students who plan to major in disciplines that require significant involvement with technology (computer science, mathematics and engineering).

Course Fee: See page 5

WEB DESIGN

Credit: 0.5

Course:#885

In this introductory class to Web Design and related concepts students will be exposed to basic Web Design concepts such as layout, color usage, and navigation as well as project management, collaboration and working with clients. Students will learn to create basic web pages in HTML code and learn the advantages of using CSS code to both style and manage web pages and sites. The course then moves on to the Adobe CS6 Suite of software (DreamWeaver, Fireworks, Photoshop, and Flash) and how this industry standard software package can be leveraged to develop and maintain dynamic websites. Students have the opportunity to create, revamp, and design websites.

CAD Drawing with Google SketchUp

Credit: 0.5

Course:#892

An excellent choice for beginning to learn to Google SketchUp. This course is intended for students with little or no 3 dimensional drawing or SketchUp experience, but who want to start to create 3 dimensional models using SketchUp. Topics include: Mastering the Rotate Tool, Creating new terrains and editing existing terrains, Optimizing Photo Textures, Organizing your collections in the Google 3D Warehouse, Using Layout to manage styles and to work with dimensions

THEOLOGY

THEOLOGY 9

THE BIBLE

Credit: 0.5 (First Semester only)

Course #540

This course provides an introduction to the Sacred Scriptures and to the unfolding of salvation history, with a particular focus on Jesus Christ as the fulfillment of salvation history. Revelation, both divine and natural, is explored, as are inspiration, interpretation and exegesis. The course guides students in coming to know the people of salvation history, including the early leaders of Israel; the judges, kings and the prophets; and the history of salvation as revealed in the New Testament. The students also learn about the role of the Scriptures in the life of faith for the individual as well as for the life of the Church.

JESUS CHRIST: GOD'S LOVE MADE VISIBLE

Credit: 0.5 (Second Semester only)

Course #541

This course guides students toward a deeper understanding of our need for redemption and how Jesus is the fulfillment of God's promise of redemption. The course explores how, through his Passion, death, Resurrection and Ascension, Jesus makes our redemption possible. The text also addresses how we continually experience the Paschal Mystery in our lives and in the liturgy of the Church.

THEOLOGY 10

THE CHURCH

Credit: 0.5 (First Semester only)

Course# 550

This course leads the students toward a deeper understanding of the Church as a means to encountering the living Jesus. It explores the origin, the human and divine elements and the ongoing mission of the Church.

SACRAMENTS

Credit: 0.5 (Second Semester only)

Course # 551

Meeting Jesus in the Sacraments reveals the sacraments as the definitive way that Jesus remains present to the Church and the world today. The text explores concrete ways for students to understand the sacraments, participate in their rites and benefit from their graces.

THEOLOGY 11

LIVING JUSTICE AND PEACE: CATHOLIC SOCIAL TEACHING IN PRACTICE

Credit: 0.5 (First Semester only)

Course #560

This course guides students in exploring and understanding the social teachings of the Church. It will address the major themes of Catholic social teaching and what they express about God's plan for all people and our obligations to care for one another, especially those most in need in society. The course will work to move students to a life of service and work for the Kingdom of God.

CHRISTIAN MORALITY: OUR RESPONSE TO GOD'S LOVE

Credit: 0.5 (Second Semester only)

Course #561

The students face countless choices and challenges in their daily lives. This course addresses how a relationship with Christ and the Church can lead to choices that are in accord with God's plan. The students learn what it means to live as a disciple of Christ and how the Church strengthens this discipleship.

THEOLOGY 12

DISCIPLESHIP

Credit: 0.5

Course #574

Living the Christian lifestyle allows seniors to look at life and all of the possibilities. Students will be encouraged to live out her faith. Our actions really do matter. We will investigate all aspects of our lives from how we make friends to who do we date. Young adulthood is a time of transitions. This course helps students face life's challenges shaping their future so it is hopeful, healthy and full.

WORLD RELIGIONS

Credit: 0.5

Course #573

In the document *Nostra Aetate* (In Our Time), the second Vatican Council called for mutual understanding between Catholics and members of other religions. Pope John Paul II did much to enhance relationships between Catholics and others. Students will learn the basic beliefs and traditions of the world's major religions. Our goal is to enable Maryvale's graduates to understand other people and to work and live among diverse populations.

THEOLOGY ELECTIVES

1804 Class – Grade 12

Credit: 0.5

Course #575

This semester long course, named after the year the SND's were founded, allows students to go deeper in their own faith while encouraging and leading others to do the same. These leaders will help take Maryvale's campus ministry to the next level, transforming its programs and events to be student-minded, relevant and engaging. Students need to be willing to explore their own faith, be comfortable challenging others and being challenged, and willing to share their story. Students will be expected to assist, plan and run liturgies, service activities, retreats and prayer services. This class will develop skills regarding public speaking, event planning and discipleship. ***Prerequisites: Admittance only by application and selection process***

WORLD LANGUAGES

Our mission is to empower our students to become culturally competent global citizens through the intentional study of World languages and cultures; understanding that language-learning is not an isolated idea, but rather the key to becoming agents for positive change in society.

A graduate of the Maryvale Preparatory World Languages program exhibits confidence, comprehension, empathy, and, a genuine desire to be an active participant in the international stage; addressing each generational issue with a Christ-centered perspective. We believe in, and implement the use of the ACTFL goals of the 90/10 immersion model, the proper use of technologies to aid in learning, and in the opportunities to use language in as many authentic ways as possible. We advocate for learning that begins in the classroom, and can extend itself beyond our borders through travel abroad, or welcoming exchange students. Our instructors design courses that challenge the students in all areas and levels of the pedagogy including the speaking, reading, writing, listening, as well as integrating cross-curricular platforms for learning.

Students are required to complete Level III in one World Language for graduation, but we strongly encourage language study every year.

FRENCH I

Credit: 1

Course #340

This course introduces students to French language and the cultures of French speaking people around the world. The 90/10 immersion model is introduced, while implementing the 5 C's of ACTFL Standards. These are Communications, Cultures, Connections, Comparisons, and Community. Students will begin simple conversations, be exposed to basic sounds, readings, and listening exercises at the novice level. Through a variety of media, students experience culture and pursue opportunities for project-based learning. The course may

highlight connections between French and the content of other disciplines, including English and Latin. The course can be structured to meet the needs of the students.

FRENCH II

Credit: 1

Course #350

The curriculum in French II reinforces and further develops language skills and knowledge of French speaking cultures around the world. Students will continue toward developing proficiency with the 90/10 immersion model, the 5 C's of ACTFL Standards. These are Communications, Cultures, Connections, Comparisons, and Community. Students will learn about more complex simple conversations, be exposed to basic sounds, readings, and listening exercises at a more sophisticated level. Through a variety of media, students experience culture in a more authentic way and pursue opportunities for project-based learning.

Prerequisites: Freshmen are required to take a Placement Exam and have current teacher recommendation.

FRENCH II (HONORS)

Credit: 1

Course #354

This course continues the study of the French language at an accelerated pace. The 90/10 immersion and the implementing the 5 C's of the ACTFL Standards are presented in a more challenging format. Students who demonstrate a strong skill set for language-learning that includes memorization, comprehension, and synthesizing information are encouraged to enter the honors program. The Honors track is designed to lead and prepare the students for the AP French course and test. An 87% average for the academic year is the minimal requirement for remaining in the Honors Program.

Prerequisites: Minimum of 87% in French I. Freshmen are required to take a Placement Exam and have current teacher recommendation.

FRENCH III (HONORS)

Credit: 1

Course #364

French III Honors moves at a faster, more independent pace and is for students who intend to take French IV Honors followed by Advanced Placement. The course guides students to the next level of proficiency in language acquisition. A mastery of second year French grammar is required at the onset of this course. Throughout the year advanced grammar, vocabulary, critical thinking, and working with concepts in current thematic units are the norm. The ACTFL standard of 90/10 immersion is now raised to 95/5 immersion during all sessions. This course is conducted in French.

Prerequisites: Minimum of 87% in French II (Honors) and current teacher recommendation.

FRENCH LITERATURE AND CONVERSATIONS

Credit: 0.5

Course #368

Thematic units explore conversational topics of interest to students, which also allows them to explore and discuss various literary works. The literature includes exposure to literary masters of the French-speaking world, as well as the opportunity to read selections popular in current Young Adult Fiction. The content highlights improving speaking and reading skills, with a brief grammatical review.

Prerequisites: Successful completion of French II.

FRENCH CULTURAL CONNECTIONS (Offered 2018-2019)

Credit: 1

Course #362

This advanced course explores the cultures of the French-speaking world through conversations. Students interact with their instructor, each other and a variety of French speakers. Vocabulary, grammar review and discussions are integrated through readings, music, film and art. Students will participate in discussions and create and deliver thematic projects in French. Conducted entirely in French, Culture and Conversation is a year-long course including actual and virtual field trips and guest speakers. Students are evaluated exclusively on their oral command of the language and demonstration of cultural understanding through project-based assessments.

Prerequisites: Successful completion of French III and teacher recommendation

FRENCH IV (HONORS)

Credit: 1

Course #374

Focusing on the application and integration of advanced grammar concepts and vocabulary prepares French IV Honors students for AP French, collegiate language study in an immersion experience. A strong foundation in advanced grammar, vocabulary and communicative competency is required at the onset of the class, and student skills are refined throughout the year. The four aspects of language learning (listening, speaking, reading and writing) are developed through daily oral and written activities, with a heightened focus on French and Francophone literature and culture. This class is conducted entirely in French.

Prerequisites: Successful completion of French III (Honors) and current teacher recommendation

FRENCH V (HONORS)

Credit: 1

Course #376

This course follows the AP French Language and Culture curriculum. Students are not required to take the AP exam. This course will prepare students for collegiate language study and/ or an immersion experience. Class performance and requirements are comparable to a college-level French course. In accordance with the communicative goals of the program, students engage in a variety of oral and written activities every day, refining their listening, speaking, reading and writing skills. The class is conducted in French.

Prerequisites: Minimum of 87% in French IV (Honors) and current teacher recommendation

FRENCH V – LANGUAGE AND CULTURE (AP)

Credit: 1

Course #386

This course prepares students for the AP French Language and Culture Examination, collegiate language study and/ or an immersion experience. Class performance and requirements are comparable to a college-level French course. In accordance with the communicative goals of the program, students engage in a variety of oral and written activities every day, refining their listening, speaking, reading and writing skills. The class is conducted in French.

Course fee: See page 5

Prerequisites: Minimum of 87% in French IV (Honors) and current teacher recommendation

SPANISH I

Credit: 1

Course #341

This course introduces students to Spanish language and the cultures of Spanish speaking people around the world. The 90/10 immersion model is introduced, while implementing the 5 C's of ACTFL Standards. These are Communications, Cultures, Connections, Comparisons, and Community. Students will begin simple conversations, be exposed to basic sounds, readings, and listening exercises at the novice level. Through a variety of media, students experience culture and pursue opportunities for project-based learning. The course may highlight connections between Spanish and the content of other disciplines, including English and Latin.

SPANISH I (HONORS)

Credit: 1

Course #342

This course introduces students to Spanish language and the cultures of Spanish speaking people around the world. The 90/10 immersion model is introduced, while implementing the 5 C's of ACTFL Standards. These are Communications, Cultures, Connections, Comparisons, and Community. Students will begin simple conversations, be exposed to basic sounds, readings, and listening exercises at the novice level. Through a variety of media, students experience culture and pursue opportunities for project-based learning. The course may highlight connections between Spanish and the content of other disciplines, including English and Latin. Students who demonstrate a strong skill set for language-learning that includes memorization, comprehension, and synthesizing information are encouraged to enter the honors program. The Honors track is designed to lead and prepare the students for the AP Spanish course and test.

Prerequisites: Minimum 80th percentile on HSPT Composite and current teacher recommendation

SPANISH II

Credit: 1

Course #350

The curriculum in Spanish II reinforces and further develops language skills and knowledge of Spanish speaking cultures around the world. Students will continue toward developing proficiency with the 90/10 immersion model, the 5 C's of ACTFL Standards. These are Communications, Cultures, Connections, Comparisons, and Community. Students will learn about more complex simple conversations, be exposed to basic sounds, readings, and listening exercises at a more sophisticated level. Through a variety of media, students experience culture in a more authentic way and pursue opportunities for project-based learning.

Prerequisites: Freshmen and new students are required to take a placement test and have current teacher recommendation.

SPANISH II (HONORS)

Credit: 1

Course #355

This course continues the pace and academic expectations of the Spanish I Honors course. The 90/10 immersion and the implementing the 5 C's of the ACTFL Standards are presented in a more challenging format. Students who demonstrate a strong skill set for language-learning that includes memorization, comprehension, and synthesizing information are encouraged to enter the honors program. The Honors track is designed to lead and prepare the students for the AP Spanish course and test.

Prerequisites: Successful completion of Spanish I (Honors) and current teacher recommendation.

SPANISH III

Credit: 1

Course #361

The course guides students to the next level of proficiency in language acquisition. A mastery of basic Spanish grammar is required at the onset of this course, which throughout the year integrates advanced grammar and vocabulary concepts in thematic units. An emphasis on the 5 C's of the ACTFL Standards (Communication, Cultures, Comparisons, Community, and Connections) are heavily integrated into practical application of the language. The four aspects of language learning (listening, speaking, reading and writing) are further developed.

Prerequisites: Successful completion of Spanish II and current teacher recommendation

SPANISH III (HONORS)

Credit: 1

Course #365

Spanish III Honors moves at a faster, more independent pace and is for students who intend to take Spanish IV Honors followed by Advance Placement. The course guides students to the next level of proficiency in language acquisition. A mastery of basic Spanish grammar is required at the onset of this course, which throughout the year integrates advanced grammar and vocabulary concepts in thematic units. The four aspects of language learning (listening, speaking, reading and writing) are further developed. The culture and history of Spanish speaking countries are explored. Classes are conducted in Spanish.

Prerequisites: Successful completion of Spanish II (Honors) and current teacher recommendation.

SPANISH LITERATURE AND CONVERSATIONS

Credit: 0.5

Course #369

Thematic units explore conversational topics of interest to students, which also allows them to explore and discuss various literary works. The literature includes exposure to literary masters of the Spanish-speaking world, as well as the opportunity to read selections popular in current Young Adult Fiction. The content highlights improving speaking and reading skills, with a brief grammatical review.

Prerequisites: Successful completion of Spanish III and current teacher recommendation.

SPANISH CULTURAL CONNECTIONS (Offered 2018-2019)

Credit: 1

Course #371

This advanced course explores the cultures, current issues that affect the Spanish-speaking world, and practical ways to apply language skills in authentic situations. Primarily through conversational skill-building, students interact with their instructor and one another. There is a strong review of past grammar and vocabulary during the first half of the year. The second semester focuses on introducing and working new tenses such as the subjunctive in all its forms. Conducted in full immersion, Connections uses multimedia, art, music, field trips, and guest speakers to bring the lessons to life.

Prerequisites: Successful completion of Spanish III and current teacher recommendation

SPANISH IV (HONORS)

Credit: 1

Course #375

Focusing on the application and integration of advanced grammar concepts and vocabulary prepares Spanish IV Honors students for AP Spanish, collegiate language study in an immersion experience. A strong foundation in advanced grammar, vocabulary and communicative competency is required at the onset of the class, and student skills are refined throughout the year. The four aspects of language learning (listening, speaking, reading and writing) are developed through daily oral and written activities, with a heightened focus on Spanish and Latin American literature and culture. This class is conducted entirely in Spanish.

Prerequisites: Successful completion of Spanish III Honors and current teacher recommendation

SPANISH V (HONORS)

Credit: 1

Course #377

This course follows the AP Spanish Language and Culture curriculum. Students are not required to take the AP exam. This course will prepare students for collegiate language study and/ or an immersion experience. Class performance and requirements are comparable to a college-level Spanish course. In accordance with the communicative goals of the program, students engage in a variety of oral and written activities every day, refining their listening, speaking, reading and writing skills. The class is conducted in Spanish.

Prerequisites: Successful completion of Spanish IV (Honors) and current teacher recommendation. Previous Spanish grades, responsibility and enthusiasm will all be factors in the selection process. The department will make the final decision.

SPANISH V–LANGUAGE AND CULTURE (AP)

Credit: 1

Course #387

This course prepares students for the AP Spanish Language and Culture Examination, collegiate language study and/ or an immersion experience. Class performance and requirements are comparable to a college-level Spanish course. In accordance with the communicative goals of the program, students engage in a variety of oral and written activities every day, amplifying and refining their listening, speaking, reading and writing skills. The class is conducted in Spanish.

Course fee: See page 5

Prerequisites: Successful completion of Spanish IV (Honors) and current teacher recommendation. Previous Spanish grades, responsibility and enthusiasm will all be factors in the selection process. The department will make the final decision.

VIRTUAL HIGH SCHOOL (VHS) COURSES

Maryvale Preparatory School will offer courses in a virtual environment through The Virtual High School. These courses provide distance learning through a variety of delivery methods complementing our traditional high school curricula. Students in these courses will report to a classroom during a designated block. Students must be self-motivated and determined to meet deadlines. There will be ongoing evaluations throughout the semester.

The choice of courses available varies depending on each student's past academic performance and course selections, as well as whether the course may be taken for graduation credit or only as an elective. The final decision will be up to the discretion of the Upper School Head.

Admittance into these courses requires the Upper School Head's approval. There are additional lab fees for each semester-long online course of **TBD**.

Performing Arts through VHS

SHAKESPEARE IN FILM – Grade 11 or 12

Credit: 0.5

Course #179

“Tis needful that the most immodest word Be looked upon and learned.” - Henry IV, Part Two

In this class, students will read four Shakespearean plays - Romeo and Juliet, Much Ado About Nothing, Henry V, and Hamlet - and then view a variety of scenes from these plays performed by many popular actors including Leonardo DiCaprio, Mel Gibson, Emma Thompson and Kenneth Branagh). The focus of the assignments will be discussions and compositions on choices the actors and directors have made and how those different choices lend different meanings to the plays. Some of the topics include:

- family relationships
- love
- imagery
- life decisions
- tragedy vs comedy
- visual and aural aspects of a film
- death

and many other common literary themes as well as film technology. Join this class for a semester of reading, watching videos, and discussing the Bard.

“Thou art a scholar! Let us therefore eat and drink.” - Twelfth Night

Technology through VHS

VIDEO GAME DESIGN USING GAMESMAKER

Credit:0.5

Course:#893

This course will provide an opportunity for students to immerse themselves in the world of video game design and development. Participants will learn key programming constructs using GameMaker software (a robust, yet easy-to-use game creation tool). In addition, students will learn to use software to create original graphics and sound engineering software to create and edit sounds for their games. By the end of the course, students will have created a wide variety of video games. Each class will celebrate their accomplishments regularly, by sharing games with their peers for feedback and enjoyment.

The video game creation process has something for everyone. Students will have the opportunity to work independently and in development teams, where everyone will contribute based on their interest and expertise. This course is an introductory-level class that does not require a background in computer programming. Students with an advanced level of game development or programming should understand this prior to enrolling in the course.

World Languages through VHS

SEMESTER ELECTIVES

ITALIAN LANGUAGE AND CULTURE (HONORS) – Grades 9-12

Credit: 0.5

Course #388

This course is a 15-week introduction to the basics of Italian language and culture. The Italian people are passionate, expressive, and creative. Through history they have contributed to art and new thinking. During this course, students will study the language while learning about the people who speak it, their history, their interests and pastimes. Participants learn simple expressions to help introduce oneself, talk about likes and dislikes, family, order food, haggle with the open market vendors, take a train, and shop. Students will discover the beauty of Italian cities through video, listen to Italian nursery rhymes and pop music. The course's main objective is to inspire students to continue to learn the language and to one day experience the country.

GERMAN LANGUAGE AND CULTURE (HONORS) – Grades 9-12

Credit: 0.5

Course #391

In this introductory course, students will learn some basic language skills and be introduced to both contemporary and historical German culture. The fifteen weeks of instruction will balance language and culture. Students will use PowerPoint presentations, voice recordings, authentic German websites, German songs, videos and snapshots from the German-speaking world, radio broadcasts, and newspaper/magazine articles to support their learning. Students can look forward to the following topics: greetings and good-byes; the alphabet and pronunciations; describing themselves, friends, and family members; numbers and counting; telling time; German pronouns and articles; asking and answering basic questions; describing the seasons and weather; describing home; expressing interests and hobbies; talking about food, books, movies, music, and shopping; recognizing basic rules of German word order. Right alongside these language components, students will also learn about German geography; learn about famous Germans throughout history; look into contemporary German family life; explore German holidays and celebrations; look into German city life and country life; plan a virtual trip to a city in the German-speaking world; learn about establishments such as restaurants, cafés, museums, and train stations; gain exposure to German music; increase knowledge of fairy tales; and take a look into modern German history.

MANDARIN CHINESE LANGUAGE AND CULTURE (HONORS) – Grades 9-12

Credit: 0.5

Course #384

Mandarin Chinese Language and Culture introduces the essential elements of Chinese language for the novice who has had minimal exposure to the Chinese language and culture. Upon completion, the student will understand the basics of Chinese grammar, the origins of Chinese characters and their pronunciation. The course will also introduce the student to a broad range of topics in Chinese culture. Upon completion, the student will have an understanding of what makes Chinese culture unique, as well as differences and similarities between Chinese culture and the student's native culture.

RUSSIAN LANGUAGE AND CULTURE (HONORS) - Grades 9-12

Credit 0.5

Course:#383

Join a 15-week-long journey across the globe and time to learn the basics of Russian language and culture. Students will learn survival Russian: from simple greetings and introductions to the ability to sustain a simple conversation in certain situations. Knowledge of Russian culture and its traditions will help participants not only communicate better in Russian, but also avoid cultural misunderstandings. The class will explore the culture, past and present: art, music, literature, traditions, holidays, history, and the people. Students will take a virtual tour of the Hermitage State Museum in St. Petersburg, listen to Russian songs, watch Mariinsky Theater Ballet performances, enjoy Russian rock and watch excerpts from Russian movies and cartoons. Throughout the course, students will be introduced to the richness of Russian culture and language. They will communicate in elementary Russian, form and share opinions and attitudes about Russia and its culture, and compare and analyze the differences and similarities between English and Russian languages.

YEAR-LONG ELECTIVES

LATIN 1 (HONORS) – Grades 9-12

Credit: 1.0

Course #395

There are two primary goals of Latin 1. On the one hand, Latin 1 focuses on pronunciation, vocabulary acquisition, and the grammar of the simple Latin sentence, so that the successful student will gain a rudimentary ability to comprehend Latin. On the other hand, Latin 1 enables the successful student to better understand and use English or other languages. A secondary goal is to introduce the student to Roman history and culture, which so heavily influence our own.

LATIN 2 (HONORS) – Grades 10-12

Credit: 1.0

Course #397

Latin 2 is a reading based exploration of Latin grammar. Students will read stories about three major heroes while learning the remaining grammar points from Latin I. Students are expected to have completed a Latin I course and to know the following grammar points: the five declensions; the six tenses in the active voice for the four conjugations and irregular verbs; first, second and third declension adjectives and adverbs; and the demonstrative pronouns hic, ille, and is. The three main goals for the course are: learning the grammar of Latin II, learning the vocabulary of Latin II, and continuing to explore the culture and history of the Romans through research, projects, and discussions. The first two goals will enable students to read complex Latin stories, which will use such Latin grammar points as participles, the passive voice, comparative and superlative adjectives, and the subjunctive mood. The third goal will further their pursuit of the amazing world of the Romans and its impact on today's world.

PORTUGUESE I (HONORS) - Grades 9-12

Credit: 1.0

Course#399

The primary goal of this course is to engage students in getting acquainted with the Portuguese language and culture and, therefore, to develop the abilities to communicate and to think in Portuguese. The practice with the Portuguese language will mainly involve skills of listening and speaking, but also reading and writing.

Introductory knowledge of the Portuguese people, language and culture will certainly be a focal point in this course. The class will also explore Portuguese language and cultural influence throughout the world, while instilling attitudes such as those of curiosity and respect for the convictions of others.

Each week of this course is organized around a major theme, which is reflected in the week's title. Students will write a weekly journal, participate in weekly discussions, listen to online music, complete online grammar activities and engage in some group and individual projects. Group projects will include debates, webquests, and student led discussions.

DUAL ENROLLMENT PROGRAMS

Approved students may be able to take specific courses for dual enrollment credit at Maryvale in partnership with Anne Arundel Community College and Towson University.

These courses are independent study classes and involve rigorous, college-level work that challenges the student and aids in our mission of preparing our students for the academic load of college. Earned grades in the course are weighted into students' GPA with the same weight as an AP-level course. In completing these dual enrollment courses, students become knowledgeable in taking a course online and can possibly earn transferable college credit. Acceptance of credits is up to the college/university which the student chooses to attend.

Students will complete the coursework online. Students are expected to have successfully completed Honors and AP coursework at Maryvale and can handle the challenges of an academically rigorous course with extensive independent work. An instructor from Anne Arundel Community College makes regular visits to Maryvale to meet with students and ensure that they are making steady progress in the course, and he/she helps students in order to guide their learning.

INTRODUCTION TO PSYCHOLOGY (ONLINE) – Grade 11 & 12

Credit: 1 (Fall Semester Only)

Course #790

This is an online course offered through Anne Arundel Community College. Upon successful completion of the course, students will earn 3 college credits and one credit from Maryvale. Students will be given a class period in their schedule and manage their course work through AACCS's online software. Successful students will need to be self-directed and motivated to work at an individual pace. This basic course is intended to expose students to major psychological theories and concepts and related current research findings. Topics include learning, physiological bases of behavior, motivation and emotions, human development, personality and abnormal behavior.

Course fee: \$435

Prerequisites: Minimum GPA of 3.00, minimum of 85% in English and Social Studies and approval of the Upper School Head

ABNORMAL PSYCHOLOGY (ONLINE) – Grade 11 or 12

Credit: 1 (Spring Semester Only)

Course #791

This is an online course offered through Anne Arundel Community College. Upon successful completion of the course, students will earn 3 college credits and one credit from Maryvale. Students will be given a class period in their schedule and manage their course work through AACCS's online software. Enrollees need to be self-directed and motivated to work at an individual pace. Material covered includes mental disorders (including an examination of causes, symptoms, treatment and management), anxiety disorders, mood disorders, personality disorders and schizophrenia. Students explore problems in the field of abnormal psychology and discuss current attempts to solve them.

Course Fee: \$435

Prerequisites: Approval of the Upper School Head

INTRODUCTION TO AFRICAN AMERICAN STUDIES - Grade 12

Credit: 1 (Fall Semester Only)

Course#792

This is an online course offered through Anne Arundel Community College. Upon successful completion of the course, students will earn 3 college credits and one credit from Maryvale. Students will be given a class period in their schedule and manage their course work through AACCS's online software. Enrollees need to be self-directed and motivated to work at an individual pace. Presents an overview of history, culture, religion, institutions, politics, economics, arts and psychology of peoples of African descent as developed from experience and both the old and new worlds. Multidisciplinary analysis of social life from an African-American perspective as illustrated in selected historical and contemporary writings.

Course Fee: \$425

Prerequisites: Approval of the Upper School Head

INTRODUCTION TO COMPUTER PROGRAMMING – Grade 12

Credit: 1 (Fall Semester Only)

Course #884

This hybrid-online course, run in partnership with Towson University (www.towson.edu/splash), is specifically developed for high school girls. Upon successful completion, students will earn 4 college credits from Towson University, as well as fulfill one elective requirement for Maryvale. A parallel enrollment form and a dual credit contract will need to be completed by parents and students. Students will be accepted based on PSAT scores, GPA and teacher approval. This is an introductory college-level course in structured programming logic. Students will learn to analyze problems; define data using simple data types and arrays; and create algorithmic solutions using basic control structures (sequence, selections, & loops) and functions. Students will also compile, execute, and run simple programs (in C++) and understand the importance of secure programming. This course will include videotaped sessions, online notes, and assignments, proctored exams, and monthly on-site meetings with the students.

Course Registration Fee: \$250